SDM Disclaimer

0096736

The data herein cannot be reconciled by Sample Data Management (SDM) against the analytical requests on the submitted Chains of Custody, due to the nature of Environmental Sciences Laboratory (ESL) special studies. ESL scientists choose and analyze samples at their own discretion which may or may not reflect the planned analysis generated by SDM.

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U.S. DEPARTMENT OF ENERGY

PNNL- 18655

Prepared for the U.S. Department of Energy
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Analytical Data Report for Sediment Samples Collected from Borehole C5856 (BP-5 D Well)

Michael Lindberg

August 2009

Pacific Northwest
NATIONAL LABORATORY

08/11/09 10:02

To: Dale Dyekman

From: Michael J. Lindberg

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

Subject: Analytical Data Report for Sediment Samples Collected from Borehole C5856 (BP-5 D Well), Sample Delivery Group ESL080016, SAF Number F08-075

This letter contains the following information for sample delivery group ESL080016

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

Introduction

Between April 30, 2008 and June 4, 2008 sediment samples were received from Borehole C5856 (BP-5 D Well) 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
NR	No Recovery (percent recovery less than zero)
ND	Non-Detectable
%REC	Percent Recovery

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:

Due to the requirements of the statement of work and sampling events in the field, the 28 day and the 48 hr requirements could not be met. The statement of work requires samples to be selected at the completion of the borehole. All applicable hold times were started from the time of preparation and not the time of sampling.

Preparation Blank (PB):

No Discrepancies were noted.

Duplicate (DUP):

No Discrepancies were noted.

Laboratory Control Samples (LCS):

The ICV is considered the blank spike for alkalinity, electric conductivity and pH measurements. The value measured for the ICV is maintained at the laboratory and not reported.

Post Spike (PS):

Post-Spike Recovery for Sulfate (61.6%) was outside acceptance limits (75-125) in 8G09011-PS1 for Anions by IC-WE
The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Phosphate (71.4%) was outside acceptance limits (75-125) in 8G09011-PS1 for Anions by IC-WE
The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Chromium 52 (69.3%) was outside acceptance limits (75-125) in 8I18001-PS1 for ICPMS-RCRA-AE
The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Calcium (333%) was outside acceptance limits (75-125) in 8I23006-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Iron (627%) was outside acceptance limits (75-125) in 8I23006-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Magnesium (510%) was outside acceptance limits (75-125) in 8I23006-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Sodium (158%) was outside acceptance limits (75-125) in 8I23006-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Calcium (NR) was outside acceptance limits (75-125) in 8I23007-PS1 for ICP-OES Vadose-AE
The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Iron (185%) was outside acceptance limits (75-125) in 8I23007-PS1 for ICP-OES Vadose-AE
The native sample concentration of the sample was greater than 5 times the spike concentration. There should be no impact to

Post Spike (PS):

data as reported.

Post-Spike Recovery for Magnesium (329%) was outside acceptance limits (75-125) in 8I23007-PS1 for ICP-OES Vadose-AE The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Sodium (NR) was outside acceptance limits (75-125) in 8I23007-PS1 for ICP-OES Vadose-AE The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Sodium (NR) was outside acceptance limits (75-125) in 8G22002-PS1 for ICP-OES Vadose-WE The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Calcium (387%) was outside acceptance limits (75-125) in 8G22002-PS2 for ICP-OES Vadose-WE The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Magnesium (1950%) was outside acceptance limits (75-125) in 8G22002-PS2 for ICP-OES Vadose-WE The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Sodium (717%) was outside acceptance limits (75-125) in 8G22002-PS2 for ICP-OES Vadose-WE The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Chromium 52 (267%) was outside acceptance limits (75-125) in 8I18002-PS1 for ICPMS-RCRA-AE The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Aluminum (518%) was outside acceptance limits (75-125) in 8I23006-PS1 for ICP-OES Vadose-AE The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Aluminum (262%) was outside acceptance limits (75-125) in 8I23007-PS1 for ICP-OES Vadose-AE The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Post-Spike Recovery for Iodine-129 (46.6%) was outside acceptance limits (75-125) in 8I16006-PS1 for ICP/ICPMS WE. The native sample concentrations were all reported as ND. There should be no impact to data as reported.

Matrix Spike (MS):

Not Applicable.

Other QC Criteria:

No Discrepancies were noted.

DISCLAIMER

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

SAMPLES INCLUDED IN THIS REPORT

200 BP 5 OU, C5856 D-Well VZ

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1TP23	0804025-01	SOIL	4/29/08 10:05	4/30/08 14:30
B1TP24	0804025-04	SOIL	4/29/08 11:05	4/30/08 14:30
B1TP28	0804025-07	SOIL	4/29/08 13:55	4/30/08 14:30
B1TP29	0804025-08	SOIL	4/29/08 14:50	4/30/08 14:30
B1TP30	0804025-09	SOIL	4/29/08 15:00	4/30/08 14:30
B1TNV9	0804025-10	SOIL	4/29/08 15:15	4/30/08 14:30
B1TNV6-2	0804025-11	SOIL	4/29/08 09:30	5/1/08 14:30
B1TNV6-3	0804025-12	SOIL	4/29/08 09:30	5/1/08 14:30
B1TP22	0804025-13	SOIL	4/29/08 08:35	5/2/08 14:30
B1TNV7-2	0804025-14	SOIL	4/29/08 10:20	5/1/08 14:30
B1TNV7-3	0804025-15	SOIL	4/29/08 10:20	5/1/08 14:30
B1TP26	0804025-16	SOIL	4/29/08 13:20	5/2/08 14:30
B1TNW0	0804025-17	SOIL	4/30/08 08:00	5/2/08 14:30
B1TNW1	0804025-18	SOIL	4/30/08 08:30	5/2/08 14:30
B1TNW3	0804025-20	SOIL	4/30/08 09:15	5/2/08 14:30
B1TNW5	0804025-22	SOIL	4/30/08 10:25	5/2/08 14:30
B1TP35	0804025-37	SOIL	4/30/08 13:55	5/1/08 14:30
B1TP40	0804025-48	SOIL	5/1/08 10:45	5/6/08 13:10
B1TP42	0804025-50	SOIL	5/1/08 12:35	5/6/08 13:10
B1TP43	0804025-51	SOIL	5/1/08 12:45	5/6/08 13:10
B1TP45	0804025-53	SOIL	5/1/08 13:40	5/6/08 13:10
B1TP47	0804025-57	SOIL	5/1/08 14:12	5/6/08 13:10
B1TP49	0804025-61	SOIL	5/1/08 15:08	5/6/08 13:10
B1TP51	0804025-69	SOIL	5/8/08 08:45	5/9/08 14:00
B1TP52	0804025-72	SOIL	5/8/08 09:10	5/9/08 14:00
B1TP53	0804025-75	SOIL	5/8/08 09:55	5/9/08 14:00
B1TP55	0804025-81	SOIL	5/8/08 14:00	5/9/08 14:00
B1TP59	0804025-87	SOIL	5/9/08 08:30	5/14/08 11:45
B1TP61	0804025-91	SOIL	5/9/08 09:00	5/15/08 09:00
B1TP62	0804025-94	SOIL	5/9/08 09:20	5/15/08 09:00
B1TP64	0804025-AA	SOIL	5/9/08 10:38	5/15/08 09:00
B1TP67	0804025-AI	SOIL	5/9/08 13:00	5/15/08 09:00
B1TP69	0804025-AP	SOIL	5/9/08 13:55	5/15/08 09:00
B1TP71	0804025-AV	SOIL	5/12/08 10:25	5/15/08 09:00
B1TP77	0804025-BK	SOIL	5/13/08 08:42	5/15/08 09:00
B1TP78	0804025-BP	SOIL	5/13/08 09:55	5/20/08 13:20
B1TP82	0804025-BZ	SOIL	5/13/08 14:11	5/20/08 13:20
B1TP84	0804025-CF	SOIL	5/16/08 08:07	5/22/08 14:00
B1TNX1	0804025-CI	SOIL	5/16/08 09:35	5/22/08 14:00
B1TP86	0804025-CO	SOIL	5/16/08 14:10	5/22/08 14:00
B1TP89	0804025-CX	SOIL	5/20/08 10:25	5/22/08 14:00
B1TP91	0804025-DF	SOIL	5/20/08 14:35	5/28/08 13:00
B1TP93	0804025-DL	SOIL	5/22/08 14:11	6/4/08 13:15
B1TP94	0804025-DM	SOIL	5/22/08 14:55	6/4/08 13:15

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

Metals 1:1 DI Water Extract by ICPMS

Metals Acid Extract by ICPMS

1:1 DI Water Extract

AGG-TOC-001

Alkalinity, Titrimetic (pH 4.5)

Anions By Ion Chromatography

Carbon, Total, Combustion or Oxidation

Cyanide by Mircodistillation/Colorimetric

GEA No Preparation

Geological Description

Inorganic Carbon, Total, Combustion or Oxidation

Iodine-129 1:1 DI Water Extract by ICPMS

Metals 1:1 Water Extract by ICPOES

Metals Acid Extract by ICPOES

Moisture Content

Nitric Acid Digestion

Percent Solids

pH of Waters By Electrode

Specific Conductance

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
B1TP23	0804025-01	SOIL	4/29/08 10:05	4/30/08 14:30
B1TP24	0804025-04	SOIL	4/29/08 11:05	4/30/08 14:30
B1TP28	0804025-07	SOIL	4/29/08 13:55	4/30/08 14:30
B1TP29	0804025-08	SOIL	4/29/08 14:50	4/30/08 14:30
B1TP30	0804025-09	SOIL	4/29/08 15:00	4/30/08 14:30
B1TNV9	0804025-10	SOIL	4/29/08 15:15	4/30/08 14:30
B1TNV6-2	0804025-11	SOIL	4/29/08 09:30	5/1/08 14:30
B1TNV6-3	0804025-12	SOIL	4/29/08 09:30	5/1/08 14:30
B1TP22	0804025-13	SOIL	4/29/08 08:35	5/2/08 14:30
B1TNV7-2	0804025-14	SOIL	4/29/08 10:20	5/1/08 14:30
B1TNV7-3	0804025-15	SOIL	4/29/08 10:20	5/1/08 14:30
B1TP26	0804025-16	SOIL	4/29/08 13:20	5/2/08 14:30
B1TNW0	0804025-17	SOIL	4/30/08 08:00	5/2/08 14:30
B1TNW1	0804025-18	SOIL	4/30/08 08:30	5/2/08 14:30
B1TNW3	0804025-20	SOIL	4/30/08 09:15	5/2/08 14:30
B1TNW5	0804025-22	SOIL	4/30/08 10:25	5/2/08 14:30
B1TP35	0804025-37	SOIL	4/30/08 13:55	5/1/08 14:30
B1TP40	0804025-48	SOIL	5/1/08 10:45	5/6/08 13:10
B1TP42	0804025-50	SOIL	5/1/08 12:35	5/6/08 13:10
B1TP43	0804025-51	SOIL	5/1/08 12:45	5/6/08 13:10
B1TP45	0804025-53	SOIL	5/1/08 13:40	5/6/08 13:10
B1TP47	0804025-57	SOIL	5/1/08 14:12	5/6/08 13:10
B1TP49	0804025-61	SOIL	5/1/08 15:08	5/6/08 13:10
B1TP51	0804025-69	SOIL	5/8/08 08:45	5/9/08 14:00
B1TP52	0804025-72	SOIL	5/8/08 09:10	5/9/08 14:00
B1TP53	0804025-75	SOIL	5/8/08 09:55	5/9/08 14:00
B1TP55	0804025-81	SOIL	5/8/08 14:00	5/9/08 14:00
B1TP59	0804025-87	SOIL	5/9/08 08:30	5/14/08 11:45
B1TP61	0804025-91	SOIL	5/9/08 09:00	5/15/08 09:00
B1TP62	0804025-94	SOIL	5/9/08 09:20	5/15/08 09:00
B1TP64	0804025-AA	SOIL	5/9/08 10:38	5/15/08 09:00
B1TP67	0804025-AI	SOIL	5/9/08 13:00	5/15/08 09:00
B1TP69	0804025-AP	SOIL	5/9/08 13:55	5/15/08 09:00
B1TP71	0804025-AV	SOIL	5/12/08 10:25	5/15/08 09:00
B1TP77	0804025-BK	SOIL	5/13/08 08:42	5/15/08 09:00
B1TP78	0804025-BP	SOIL	5/13/08 09:55	5/20/08 13:20
B1TP82	0804025-BZ	SOIL	5/13/08 14:11	5/20/08 13:20
B1TP84	0804025-CF	SOIL	5/16/08 08:07	5/22/08 14:00
B1TNX1	0804025-CI	SOIL	5/16/08 09:35	5/22/08 14:00
B1TP86	0804025-CO	SOIL	5/16/08 14:10	5/22/08 14:00
B1TP89	0804025-CX	SOIL	5/20/08 10:25	5/22/08 14:00
B1TP91	0804025-DF	SOIL	5/20/08 14:35	5/28/08 13:00
B1TP93	0804025-DL	SOIL	5/22/08 14:11	6/4/08 13:15
B1TP94	0804025-DM	SOIL	5/22/08 14:55	6/4/08 13:15

Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804025-04	B1TP24	2.12E2	2.48E1	7/14/08	8G14005
0804025-07	B1TP28	2.90E2	2.34E1	7/14/08	8G14005
0804025-08	B1TP29	2.28E2	2.35E1	9/02/08	8I02001
0804025-09	B1TP30	2.38E2	2.35E1	9/02/08	8I02001
0804025-10	B1TNV9	7.75E1	2.35E1	9/02/08	8I02001
0804025-13	B1TP22	5.45E1	2.38E1	7/14/08	8G14005
0804025-16	B1TP26	2.72E2	2.36E1	7/14/08	8G14005
0804025-17	B1TNW0	4.33E1	2.35E1	9/02/08	8I02001
0804025-18	B1TNW1	2.94E1	2.33E1	7/14/08	8G14005
0804025-20	B1TNW3	2.97E1	2.35E1	9/02/08	8I02001
0804025-22	B1TNW5	2.47E1	2.31E1	7/14/08	8G14005
0804025-37	B1TP35	4.02E1	2.54E1	7/14/08	8G14005
0804025-48	B1TP40	3.88E1	2.35E1	7/14/08	8G14005
0804025-50	B1TP42	3.88E1	2.35E1	9/02/08	8I02001
0804025-51	B1TP43	3.65E1	2.35E1	7/14/08	8G14005
0804025-53	B1TP45	7.15E1	2.35E1	9/02/08	8I02001
0804025-57	B1TP47	<2.33E1	2.33E1	7/14/08	8G14005
0804025-61	B1TP49	<2.35E1	2.35E1	7/14/08	8G14006
0804025-69	B1TP51	2.77E1	2.31E1	7/14/08	8G14006
0804025-72	B1TP52	4.31E1	2.34E1	7/14/08	8G14006
0804025-75	B1TP53	<2.35E1	2.35E1	7/14/08	8G14006
0804025-81	B1TP55	3.28E1	2.36E1	7/14/08	8G14006
0804025-87	B1TP59	3.24E1	2.38E1	7/14/08	8G14006
0804025-91	B1TP61	3.27E1	2.35E1	9/02/08	8I02001
0804025-94	B1TP62	3.15E1	2.32E1	7/14/08	8G14006
0804025-AA	B1TP64	2.36E1	2.36E1	9/02/08	8I02001
0804025-AI	B1TP67	3.42E1	2.30E1	7/14/08	8G14006
0804025-AP	B1TP69	6.17E1	2.35E1	9/02/08	8I02001
0804025-AV	B1TP71	5.15E1	2.34E1	7/14/08	8G14006
0804025-BK	B1TP77	5.47E1	2.35E1	7/14/08	8G14006
0804025-BP	B1TP78	4.03E1	2.35E1	7/14/08	8G14006
0804025-BZ	B1TP82	4.24E1	2.34E1	7/14/08	8G14006
0804025-CF	B1TP84	6.45E1	2.34E1	7/14/08	8G14006
0804025-CI	B1TNX1	3.14E1	2.37E1	7/14/08	8G14006
0804025-CO	B1TP86	3.34E1	2.35E1	7/14/08	8G14006
0804025-CX	B1TP89	3.35E1	2.36E1	7/14/08	8G14006
0804025-DF	B1TP91	5.72E1	2.36E1	7/14/08	8G14006
0804025-DL	B1TP93	3.59E1	2.36E1	7/14/08	8G14006
0804025-DM	B1TP94	3.64E1	2.34E1	7/14/08	8G14006

Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804025-04	B1TP24	5.00E-1	1.00E-2	7/10/08	8G09003
0804025-07	B1TP28	6.37E-1	1.00E-2	7/10/08	8G09003
0804025-08	B1TP29	5.05E-1	1.00E-2	8/28/08	8H27004
0804025-09	B1TP30	6.54E-1	1.00E-2	8/28/08	8H27004
0804025-10	B1TNV9	3.04E0	1.00E-2	8/28/08	8H27004
0804025-13	B1TP22	2.38E-1	1.00E-2	7/10/08	8G09003
0804025-16	B1TP26	6.09E-1	1.00E-2	7/10/08	8G09003
0804025-17	B1TNW0	7.27E0	1.00E-2	8/28/08	8H27004
0804025-18	B1TNW1	1.12E1	1.00E-2	7/10/08	8G09003
0804025-20	B1TNW3	1.57E0	1.00E-2	8/28/08	8H27004
0804025-22	B1TNW5	2.71E0	1.00E-2	7/10/08	8G09003
0804025-37	B1TP35	2.17E-1	1.00E-2	7/10/08	8G09003
0804025-48	B1TP40	2.09E-1	1.00E-2	7/10/08	8G09003
0804025-50	B1TP42	6.66E-1	1.00E-2	8/28/08	8H27004
0804025-51	B1TP43	7.25E0	1.00E-2	7/10/08	8G09003
0804025-53	B1TP45	2.54E0	1.00E-2	8/28/08	8H27004
0804025-57	B1TP47	3.48E0	1.00E-2	7/10/08	8G09003
0804025-61	B1TP49	2.82E0	1.00E-2	7/10/08	8G09004
0804025-69	B1TP51	1.03E1	1.00E-2	7/10/08	8G09004
0804025-72	B1TP52	2.24E0	1.00E-2	7/10/08	8G09004
0804025-75	B1TP53	2.91E0	1.00E-2	7/10/08	8G09004
0804025-81	B1TP55	4.81E-1	1.00E-2	7/10/08	8G09004
0804025-87	B1TP59	1.65E-1	1.00E-2	7/10/08	8G09004
0804025-91	B1TP61	1.63E-1	1.00E-2	8/28/08	8H27004
0804025-94	B1TP62	1.65E0	1.00E-2	7/10/08	8G09004
0804025-AA	B1TP64	1.90E0	1.00E-2	8/28/08	8H27004
0804025-AI	B1TP67	2.61E-1	1.00E-2	7/10/08	8G09004
0804025-AP	B1TP69	1.94E-1	1.00E-2	8/28/08	8H27004
0804025-AV	B1TP71	1.78E-1	1.00E-2	7/10/08	8G09004
0804025-BK	B1TP77	1.65E-1	1.00E-2	7/10/08	8G09004
0804025-BP	B1TP78	1.65E-1	1.00E-2	7/10/08	8G09004
0804025-BZ	B1TP82	4.88E-1	1.00E-2	7/10/08	8G09004
0804025-CF	B1TP84	4.06E-1	1.00E-2	7/10/08	8G09004
0804025-CI	B1TNX1	2.48E-1	1.00E-2	7/10/08	8G09004
0804025-CO	B1TP86	1.47E-1	1.00E-2	7/10/08	8G09004
0804025-CX	B1TP89	1.74E-1	1.00E-2	7/10/08	8G09004
0804025-DF	B1TP91	1.86E-1	1.00E-2	7/10/08	8G09004
0804025-DL	B1TP93	2.85E-1	1.00E-2	7/10/08	8G09004
0804025-DM	B1TP94	2.43E-1	1.00E-2	7/10/08	8G09004

Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804025-04	B1TP24	6.04E0	N/A	6/13/08	8F09001
0804025-07	B1TP28	3.80E0	N/A	6/13/08	8F09001
0804025-08	B1TP29	3.64E0	N/A	6/13/08	8F09001
0804025-09	B1TP30	3.18E0	N/A	6/13/08	8F09001
0804025-10	B1TNV9	3.00E0	N/A	6/13/08	8F09001
0804025-13	B1TP22	3.69E0	N/A	6/13/08	8F09001
0804025-16	B1TP26	2.74E0	N/A	6/13/08	8F09001
0804025-17	B1TNW0	2.65E0	N/A	6/13/08	8F09001
0804025-18	B1TNW1	3.74E0	N/A	6/13/08	8F09001
0804025-20	B1TNW3	2.25E0	N/A	6/13/08	8F09001
0804025-22	B1TNW5	4.55E0	N/A	6/13/08	8F09001
0804025-37	B1TP35	2.40E0	N/A	6/13/08	8F09001
0804025-48	B1TP40	2.88E0	N/A	6/13/08	8F09001
0804025-50	B1TP42	3.00E0	N/A	6/13/08	8F09001
0804025-51	B1TP43	1.25E1	N/A	6/13/08	8F09001
0804025-53	B1TP45	3.08E0	N/A	6/13/08	8F09001
0804025-57	B1TP47	2.32E0	N/A	6/13/08	8F09001
0804025-61	B1TP49	2.78E0	N/A	6/13/08	8F09001
0804025-69	B1TP51	6.73E0	N/A	6/13/08	8F09001
0804025-72	B1TP52	2.46E0	N/A	6/13/08	8F09001
0804025-75	B1TP53	1.89E0	N/A	6/13/08	8F09001
0804025-81	B1TP55	2.32E0	N/A	6/13/08	8F09001
0804025-87	B1TP59	1.99E0	N/A	6/13/08	8F09001
0804025-91	B1TP61	2.29E0	N/A	6/13/08	8F09001
0804025-94	B1TP62	3.56E0	N/A	6/13/08	8F09001
0804025-AA	B1TP64	3.10E0	N/A	6/13/08	8F09001
0804025-AI	B1TP67	3.22E0	N/A	6/13/08	8F09001
0804025-AP	B1TP69	2.74E0	N/A	6/13/08	8F09001
0804025-AV	B1TP71	2.90E0	N/A	6/13/08	8F09001
0804025-BK	B1TP77	3.22E0	N/A	6/13/08	8F09001
0804025-BP	B1TP78	2.68E0	N/A	6/13/08	8F09001
0804025-BZ	B1TP82	4.03E0	N/A	6/13/08	8F09001
0804025-CF	B1TP84	4.65E0	N/A	6/13/08	8F09001
0804025-CI	B1TNX1	4.20E0	N/A	6/13/08	8F09001
0804025-CO	B1TP86	3.31E0	N/A	6/13/08	8F09001
0804025-CX	B1TP89	3.94E0	N/A	6/13/08	8F09001
0804025-DF	B1TP91	2.69E0	N/A	6/13/08	8F09001
0804025-DL	B1TP93	8.49E0	N/A	6/13/08	8F09001

Wet Chemistry

pH (pH Units) by AGG-pH-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804025-04	B1TP24	9.71E0	N/A	7/10/08	8G09001
0804025-07	B1TP28	1.02E1	N/A	7/10/08	8G09001
0804025-08	B1TP29	9.99E0	N/A	8/28/08	8H27001
0804025-09	B1TP30	1.01E1	N/A	8/28/08	8H27001
0804025-10	B1TNV9	9.26E0	N/A	8/28/08	8H27001
0804025-13	B1TP22	8.62E0	N/A	7/10/08	8G09001
0804025-16	B1TP26	1.02E1	N/A	7/10/08	8G09001
0804025-17	B1TNW0	7.89E0	N/A	8/28/08	8H27001
0804025-18	B1TNW1	7.51E0	N/A	7/10/08	8G09001
0804025-20	B1TNW3	7.41E0	N/A	8/28/08	8H27001
0804025-22	B1TNW5	7.47E0	N/A	7/10/08	8G09001
0804025-37	B1TP35	7.95E0	N/A	7/10/08	8G09001
0804025-48	B1TP40	7.82E0	N/A	7/10/08	8G09001
0804025-50	B1TP42	7.77E0	N/A	8/28/08	8H27001
0804025-51	B1TP43	7.65E0	N/A	7/10/08	8G09001
0804025-53	B1TP45	8.97E0	N/A	8/28/08	8H27001
0804025-57	B1TP47	7.18E0	N/A	7/10/08	8G09001
0804025-61	B1TP49	7.18E0	N/A	7/10/08	8G09002
0804025-69	B1TP51	7.29E0	N/A	7/10/08	8G09002
0804025-72	B1TP52	7.67E0	N/A	7/10/08	8G09002
0804025-75	B1TP53	7.05E0	N/A	7/10/08	8G09002
0804025-81	B1TP55	7.56E0	N/A	7/10/08	8G09002
0804025-87	B1TP59	7.52E0	N/A	7/10/08	8G09002
0804025-91	B1TP61	7.68E0	N/A	8/28/08	8H27001
0804025-94	B1TP62	7.34E0	N/A	7/10/08	8G09002
0804025-AA	B1TP64	7.43E0	N/A	8/28/08	8H27001
0804025-AI	B1TP67	7.51E0	N/A	7/10/08	8G09002
0804025-AP	B1TP69	8.04E0	N/A	8/28/08	8H27001
0804025-AV	B1TP71	7.74E0	N/A	7/10/08	8G09002
0804025-BK	B1TP77	7.99E0	N/A	7/10/08	8G09002
0804025-BP	B1TP78	7.70E0	N/A	7/10/08	8G09002
0804025-BZ	B1TP82	7.41E0	N/A	7/10/08	8G09002
0804025-CF	B1TP84	7.90E0	N/A	7/10/08	8G09002
0804025-CI	B1TNX1	7.67E0	N/A	7/10/08	8G09002
0804025-CO	B1TP86	7.91E0	N/A	7/10/08	8G09002
0804025-CX	B1TP89	6.77E0	N/A	7/10/08	8G09002
0804025-DF	B1TP91	7.87E0	N/A	7/10/08	8G09002
0804025-DL	B1TP93	7.82E0	N/A	7/10/08	8G09002
0804025-DM	B1TP94	7.95E0	N/A	7/10/08	8G09002

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP24**		**Lab ID:**	**0804025-04**			
16984-48-8	Fluoride	<2.11E-1	ug/g dry	2.11E-1	7/10/08	8G09011	AGG-IC-001
16887-00-6	Chloride	1.43E0	ug/g dry	5.27E-1	7/10/08	8G09011	AGG-IC-001
14797-65-0	Nitrite	<1.05E0	ug/g dry	1.05E0	7/10/08	8G09011	AGG-IC-001
14797-55-8	Nitrate	1.47E1	ug/g dry	1.05E0	7/10/08	8G09011	AGG-IC-001
14808-79-8	Sulfate	4.83E1	ug/g dry	1.58E0	7/10/08	8G09011	AGG-IC-001
14265-44-2	Phosphate	3.81E1	ug/g dry	1.58E0	7/10/08	8G09011	AGG-IC-001
HEIS No.	**B1TP28**		**Lab ID:**	**0804025-07**			
16984-48-8	Fluoride	3.12E-1	ug/g dry	2.00E-1	7/10/08	8G09011	AGG-IC-001
16887-00-6	Chloride	6.93E-1	ug/g dry	4.99E-1	7/10/08	8G09011	AGG-IC-001
14797-65-0	Nitrite	<9.98E-1	ug/g dry	9.98E-1	7/10/08	8G09011	AGG-IC-001
14797-55-8	Nitrate	1.71E1	ug/g dry	9.98E-1	7/10/08	8G09011	AGG-IC-001
14808-79-8	Sulfate	3.11E1	ug/g dry	1.50E0	7/10/08	8G09011	AGG-IC-001
14265-44-2	Phosphate	1.07E1	ug/g dry	1.50E0	7/10/08	8G09011	AGG-IC-001
HEIS No.	**B1TP29**		**Lab ID:**	**0804025-08**			
16984-48-8	Fluoride	6.14E-1	ug/g dry	2.00E-1	8/28/08	8H28003	AGG-IC-001
16887-00-6	Chloride	8.96E-1	ug/g dry	4.99E-1	8/28/08	8H28003	AGG-IC-001
14797-65-0	Nitrite	<9.98E-1	ug/g dry	9.98E-1	8/28/08	8H28003	AGG-IC-001
14797-55-8	Nitrate	1.89E1	ug/g dry	9.98E-1	8/28/08	8H28003	AGG-IC-001
14808-79-8	Sulfate	3.10E1	ug/g dry	1.50E0	8/28/08	8H28003	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/28/08	8H28003	AGG-IC-001
HEIS No.	**B1TP30**		**Lab ID:**	**0804025-09**			
16984-48-8	Fluoride	5.39E-1	ug/g dry	2.00E-1	8/28/08	8H28003	AGG-IC-001
16887-00-6	Chloride	1.31E0	ug/g dry	5.00E-1	8/28/08	8H28003	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	8/28/08	8H28003	AGG-IC-001
14797-55-8	Nitrate	4.01E1	ug/g dry	1.00E0	8/28/08	8H28003	AGG-IC-001
14808-79-8	Sulfate	6.84E1	ug/g dry	1.50E0	8/28/08	8H28003	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/28/08	8H28003	AGG-IC-001
HEIS No.	**B1TNV9**		**Lab ID:**	**0804025-10**			
16984-48-8	Fluoride	<2.00E1	ug/g dry	2.00E1	8/28/08	8H28003	AGG-IC-001
16887-00-6	Chloride	<5.00E1	ug/g dry	5.00E1	8/28/08	8H28003	AGG-IC-001
14797-65-0	Nitrite	<1.00E2	ug/g dry	1.00E2	8/28/08	8H28003	AGG-IC-001
14797-55-8	Nitrate	5.32E2	ug/g dry	1.00E2	8/28/08	8H28003	AGG-IC-001
14808-79-8	Sulfate	1.07E3	ug/g dry	1.50E2	8/28/08	8H28003	AGG-IC-001
14265-44-2	Phosphate	<1.50E2	ug/g dry	1.50E2	8/28/08	8H28003	AGG-IC-001
HEIS No.	**B1TP22**		**Lab ID:**	**0804025-13**			
16984-48-8	Fluoride	5.95E-1	ug/g dry	2.02E-1	7/10/08	8G09011	AGG-IC-001
16887-00-6	Chloride	7.20E-1	ug/g dry	5.05E-1	7/10/08	8G09011	AGG-IC-001
14797-65-0	Nitrite	<1.01E0	ug/g dry	1.01E0	7/10/08	8G09011	AGG-IC-001
14797-55-8	Nitrate	7.54E0	ug/g dry	1.01E0	7/10/08	8G09011	AGG-IC-001
14808-79-8	Sulfate	5.58E1	ug/g dry	1.52E0	7/10/08	8G09011	AGG-IC-001
14265-44-2	Phosphate	<1.52E0	ug/g dry	1.52E0	7/10/08	8G09011	AGG-IC-001
HEIS No.	**B1TP26**		**Lab ID:**	**0804025-16**			
16984-48-8	Fluoride	2.46E-1	ug/g dry	2.01E-1	7/10/08	8G09011	AGG-IC-001
16887-00-6	Chloride	<5.02E-1	ug/g dry	5.02E-1	7/10/08	8G09011	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	7/10/08	8G09011	AGG-IC-001
14797-55-8	Nitrate	5.57E0	ug/g dry	1.00E0	7/10/08	8G09011	AGG-IC-001
14808-79-8	Sulfate	2.16E1	ug/g dry	1.51E0	7/10/08	8G09011	AGG-IC-001
14265-44-2	Phosphate	1.26E1	ug/g dry	1.51E0	7/10/08	8G09011	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TNW0**		**Lab ID:**	**0804025-17**			
16984-48-8	Fluoride	<2.00E1	ug/g dry	2.00E1	8/28/08	8H28003	AGG-IC-001
16887-00-6	Chloride	<5.00E1	ug/g dry	5.00E1	8/28/08	8H28003	AGG-IC-001
14797-65-0	Nitrite	<1.00E2	ug/g dry	1.00E2	8/28/08	8H28003	AGG-IC-001
14797-55-8	Nitrate	4.12E3	ug/g dry	1.00E2	8/28/08	8H28003	AGG-IC-001
14808-79-8	Sulfate	4.61E2	ug/g dry	1.50E2	8/28/08	8H28003	AGG-IC-001
14265-44-2	Phosphate	<1.50E2	ug/g dry	1.50E2	8/28/08	8H28003	AGG-IC-001
HEIS No.	**B1TNW1**		**Lab ID:**	**0804025-18**			
16984-48-8	Fluoride	<1.98E1	ug/g dry	1.98E1	7/10/08	8G09011	AGG-IC-001
16887-00-6	Chloride	<4.95E1	ug/g dry	4.95E1	7/10/08	8G09011	AGG-IC-001
14797-65-0	Nitrite	<9.91E1	ug/g dry	9.91E1	7/10/08	8G09011	AGG-IC-001
14797-55-8	Nitrate	6.97E3	ug/g dry	9.91E1	7/10/08	8G09011	AGG-IC-001
14808-79-8	Sulfate	1.66E2	ug/g dry	1.49E2	7/10/08	8G09011	AGG-IC-001
14265-44-2	Phosphate	<1.49E2	ug/g dry	1.49E2	7/10/08	8G09011	AGG-IC-001
HEIS No.	**B1TNW3**		**Lab ID:**	**0804025-20**			
16984-48-8	Fluoride	<2.00E1	ug/g dry	2.00E1	8/28/08	8H28003	AGG-IC-001
16887-00-6	Chloride	<5.00E1	ug/g dry	5.00E1	8/28/08	8H28003	AGG-IC-001
14797-65-0	Nitrite	<1.00E2	ug/g dry	1.00E2	8/28/08	8H28003	AGG-IC-001
14797-55-8	Nitrate	8.64E2	ug/g dry	1.00E2	8/28/08	8H28003	AGG-IC-001
14808-79-8	Sulfate	<1.50E2	ug/g dry	1.50E2	8/28/08	8H28003	AGG-IC-001
14265-44-2	Phosphate	<1.50E2	ug/g dry	1.50E2	8/28/08	8H28003	AGG-IC-001
HEIS No.	**B1TNW5**		**Lab ID:**	**0804025-22**			
16984-48-8	Fluoride	<1.97E0	ug/g dry	1.97E0	7/10/08	8G09011	AGG-IC-001
16887-00-6	Chloride	1.34E1	ug/g dry	4.92E0	7/10/08	8G09011	AGG-IC-001
14797-65-0	Nitrite	<9.84E0	ug/g dry	9.84E0	7/10/08	8G09011	AGG-IC-001
14797-55-8	Nitrate	1.45E1	ug/g dry	9.84E-1	7/14/08	8G09011	AGG-IC-001
14808-79-8	Sulfate	5.83E1	ug/g dry	1.48E1	7/10/08	8G09011	AGG-IC-001
14265-44-2	Phosphate	<1.48E1	ug/g dry	1.48E1	7/10/08	8G09011	AGG-IC-001
HEIS No.	**B1TP35**		**Lab ID:**	**0804025-37**			
16984-48-8	Fluoride	3.36E-1	ug/g dry	2.16E-1	7/10/08	8G09011	AGG-IC-001
16887-00-6	Chloride	3.98E0	ug/g dry	5.40E-1	7/10/08	8G09011	AGG-IC-001
14797-65-0	Nitrite	<1.08E0	ug/g dry	1.08E0	7/10/08	8G09011	AGG-IC-001
14797-55-8	Nitrate	1.32E1	ug/g dry	1.08E0	7/10/08	8G09011	AGG-IC-001
14808-79-8	Sulfate	5.53E1	ug/g dry	1.62E0	7/10/08	8G09011	AGG-IC-001
14265-44-2	Phosphate	<1.62E0	ug/g dry	1.62E0	7/10/08	8G09011	AGG-IC-001
HEIS No.	**B1TP40**		**Lab ID:**	**0804025-48**			
16984-48-8	Fluoride	3.44E-1	ug/g dry	2.00E-1	7/10/08	8G09011	AGG-IC-001
16887-00-6	Chloride	1.95E0	ug/g dry	5.01E-1	7/10/08	8G09011	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	7/10/08	8G09011	AGG-IC-001
14797-55-8	Nitrate	1.59E1	ug/g dry	1.00E0	7/10/08	8G09011	AGG-IC-001
14808-79-8	Sulfate	4.62E1	ug/g dry	1.50E0	7/10/08	8G09011	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	7/10/08	8G09011	AGG-IC-001
HEIS No.	**B1TP42**		**Lab ID:**	**0804025-50**			
16984-48-8	Fluoride	2.68E-1	ug/g dry	2.00E-1	8/28/08	8H28003	AGG-IC-001
16887-00-6	Chloride	4.16E0	ug/g dry	5.00E-1	8/28/08	8H28003	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	8/28/08	8H28003	AGG-IC-001
14797-55-8	Nitrate	2.56E2	ug/g dry	1.00E2	9/02/08	8H28003	AGG-IC-001
14808-79-8	Sulfate	7.46E1	ug/g dry	1.50E0	8/28/08	8H28003	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/28/08	8H28003	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP43**		**Lab ID:**	**0804025-51**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	7/10/08	8G09011	AGG-IC-001
16887-00-6	Chloride	7.27E1	ug/g dry	5.01E0	7/10/08	8G09011	AGG-IC-001
14797-65-0	Nitrite	<1.00E1	ug/g dry	1.00E1	7/10/08	8G09011	AGG-IC-001
14797-55-8	Nitrate	3.61E1	ug/g dry	1.00E0	7/16/08	8G09011	AGG-IC-001
14808-79-8	Sulfate	7.47E2	ug/g dry	1.50E1	7/10/08	8G09011	AGG-IC-001
14265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	7/10/08	8G09011	AGG-IC-001
HEIS No.	**B1TP45**		**Lab ID:**	**0804025-53**			
16984-48-8	Fluoride	<2.00E1	ug/g dry	2.00E1	8/28/08	8H28003	AGG-IC-001
16887-00-6	Chloride	<5.00E1	ug/g dry	5.00E1	8/28/08	8H28003	AGG-IC-001
14797-65-0	Nitrite	<1.00E2	ug/g dry	1.00E2	8/28/08	8H28003	AGG-IC-001
14797-55-8	Nitrate	1.06E3	ug/g dry	1.00E2	8/28/08	8H28003	AGG-IC-001
14808-79-8	Sulfate	3.28E2	ug/g dry	1.50E2	8/28/08	8H28003	AGG-IC-001
14265-44-2	Phosphate	<1.50E2	ug/g dry	1.50E2	8/28/08	8H28003	AGG-IC-001
HEIS No.	**B1TP47**		**Lab ID:**	**0804025-57**			
16984-48-8	Fluoride	<1.98E0	ug/g dry	1.98E0	7/10/08	8G09011	AGG-IC-001
16887-00-6	Chloride	1.56E1	ug/g dry	4.96E0	7/10/08	8G09011	AGG-IC-001
14797-65-0	Nitrite	<9.91E0	ug/g dry	9.91E0	7/10/08	8G09011	AGG-IC-001
14797-55-8	Nitrate	2.00E1	ug/g dry	9.91E-1	7/14/08	8G09011	AGG-IC-001
14808-79-8	Sulfate	3.63E1	ug/g dry	1.49E1	7/10/08	8G09011	AGG-IC-001
14265-44-2	Phosphate	<1.49E1	ug/g dry	1.49E1	7/10/08	8G09011	AGG-IC-001
HEIS No.	**B1TP49**		**Lab ID:**	**0804025-61**			
16984-48-8	Fluoride	<2.00E1	ug/g dry	2.00E1	7/14/08	8G10007	AGG-IC-001
16887-00-6	Chloride	<5.01E1	ug/g dry	5.01E1	7/14/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<1.00E2	ug/g dry	1.00E2	7/14/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	1.59E3	ug/g dry	1.00E2	7/14/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	2.10E2	ug/g dry	1.50E2	7/14/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.50E2	ug/g dry	1.50E2	7/14/08	8G10007	AGG-IC-001
HEIS No.	**B1TP51**		**Lab ID:**	**0804025-69**			
16984-48-8	Fluoride	<1.97E1	ug/g dry	1.97E1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	4.96E1	ug/g dry	4.92E1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<9.85E1	ug/g dry	9.85E1	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	6.36E3	ug/g dry	9.85E1	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	1.63E2	ug/g dry	1.48E2	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.48E2	ug/g dry	1.48E2	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP52**		**Lab ID:**	**0804025-72**			
16984-48-8	Fluoride	<1.99E0	ug/g dry	1.99E0	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	8.38E0	ug/g dry	4.97E0	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<9.94E0	ug/g dry	9.94E0	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	1.16E3	ug/g dry	9.94E1	7/14/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	7.30E1	ug/g dry	1.49E1	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.49E1	ug/g dry	1.49E1	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP53**		**Lab ID:**	**0804025-75**			
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	1.05E1	ug/g dry	5.01E0	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<1.00E1	ug/g dry	1.00E1	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	1.68E3	ug/g dry	1.00E2	7/15/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	2.63E1	ug/g dry	1.50E1	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	7/11/08	8G10007	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP55**		**Lab ID:**	**0804025-81**			
16984-48-8	Fluoride	2.33E-1	ug/g dry	2.01E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	2.18E0	ug/g dry	5.01E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	1.88E2	ug/g dry	1.00E1	7/15/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	3.40E1	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP59**		**Lab ID:**	**0804025-87**			
16984-48-8	Fluoride	2.13E-1	ug/g dry	2.03E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	1.09E0	ug/g dry	5.07E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<1.01E0	ug/g dry	1.01E0	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	7.84E0	ug/g dry	1.01E0	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	4.06E1	ug/g dry	1.52E0	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.52E0	ug/g dry	1.52E0	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP61**		**Lab ID:**	**0804025-91**			
16984-48-8	Fluoride	<2.00E-1	ug/g dry	2.00E-1	8/28/08	8H28003	AGG-IC-001
16887-00-6	Chloride	1.41E0	ug/g dry	5.01E-1	8/28/08	8H28003	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	8/28/08	8H28003	AGG-IC-001
14797-55-8	Nitrate	1.03E1	ug/g dry	1.00E0	8/28/08	8H28003	AGG-IC-001
14808-79-8	Sulfate	3.93E1	ug/g dry	1.50E0	8/28/08	8H28003	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/28/08	8H28003	AGG-IC-001
HEIS No.	**B1TP62**		**Lab ID:**	**0804025-94**			
16984-48-8	Fluoride	<1.98E0	ug/g dry	1.98E0	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	7.21E0	ug/g dry	4.94E0	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<9.88E0	ug/g dry	9.88E0	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	8.17E2	ug/g dry	9.88E0	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	4.46E1	ug/g dry	1.48E1	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.48E1	ug/g dry	1.48E1	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP64**		**Lab ID:**	**0804025-AA**			
16984-48-8	Fluoride	<2.01E1	ug/g dry	2.01E1	8/28/08	8H28003	AGG-IC-001
16887-00-6	Chloride	<5.01E1	ug/g dry	5.01E1	8/28/08	8H28003	AGG-IC-001
14797-65-0	Nitrite	<1.00E2	ug/g dry	1.00E2	8/28/08	8H28003	AGG-IC-001
14797-55-8	Nitrate	1.03E3	ug/g dry	1.00E2	8/28/08	8H28003	AGG-IC-001
14808-79-8	Sulfate	<1.50E2	ug/g dry	1.50E2	8/28/08	8H28003	AGG-IC-001
14265-44-2	Phosphate	<1.50E2	ug/g dry	1.50E2	8/28/08	8H28003	AGG-IC-001
HEIS No.	**B1TP67**		**Lab ID:**	**0804025-AI**			
16984-48-8	Fluoride	3.78E-1	ug/g dry	1.96E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	1.79E0	ug/g dry	4.89E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<9.78E-1	ug/g dry	9.78E-1	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	4.82E1	ug/g dry	9.78E-1	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	4.05E1	ug/g dry	1.47E0	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.47E0	ug/g dry	1.47E0	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP69**		**Lab ID:**	**0804025-AP**			
16984-48-8	Fluoride	4.82E-1	ug/g dry	2.00E-1	8/28/08	8H28003	AGG-IC-001
16887-00-6	Chloride	1.85E0	ug/g dry	5.01E-1	8/28/08	8H28003	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	8/28/08	8H28003	AGG-IC-001
14797-55-8	Nitrate	<1.00E0	ug/g dry	1.00E0	8/28/08	8H28003	AGG-IC-001
14808-79-8	Sulfate	3.94E1	ug/g dry	1.50E0	8/28/08	8H28003	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/28/08	8H28003	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP71**		**Lab ID:**	**0804025-AV**			
16984-48-8	Fluoride	4.21E-1	ug/g dry	1.99E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	1.18E0	ug/g dry	4.98E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<9.97E-1	ug/g dry	9.97E-1	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	<9.97E-1	ug/g dry	9.97E-1	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	3.42E1	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP77**		**Lab ID:**	**0804025-BK**			
16984-48-8	Fluoride	4.66E-1	ug/g dry	2.00E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	1.01E0	ug/g dry	5.00E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<9.99E-1	ug/g dry	9.99E-1	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	<9.99E-1	ug/g dry	9.99E-1	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	2.69E1	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP78**		**Lab ID:**	**0804025-BP**			
16984-48-8	Fluoride	3.67E-1	ug/g dry	2.00E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	1.22E0	ug/g dry	5.00E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	6.16E0	ug/g dry	1.00E0	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	3.45E1	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP82**		**Lab ID:**	**0804025-BZ**			
16984-48-8	Fluoride	4.47E-1	ug/g dry	1.99E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	4.19E0	ug/g dry	4.99E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<9.97E-1	ug/g dry	9.97E-1	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	2.76E1	ug/g dry	9.97E-1	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	1.70E2	ug/g dry	1.50E1	7/15/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP84**		**Lab ID:**	**0804025-CF**			
16984-48-8	Fluoride	7.04E-1	ug/g dry	2.00E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	5.10E0	ug/g dry	4.99E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	4.32E0	ug/g dry	9.98E-1	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	1.82E1	ug/g dry	9.98E-1	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	9.82E1	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TNX1**		**Lab ID:**	**0804025-CI**			
16984-48-8	Fluoride	4.53E-1	ug/g dry	2.02E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	1.50E0	ug/g dry	5.04E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<1.01E0	ug/g dry	1.01E0	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	6.12E0	ug/g dry	1.01E0	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	7.64E1	ug/g dry	1.51E0	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP86**		**Lab ID:**	**0804025-CO**			
16984-48-8	Fluoride	4.20E-1	ug/g dry	2.00E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	7.64E-1	ug/g dry	5.00E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	2.01E0	ug/g dry	1.00E0	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	3.36E1	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP89**		**Lab ID:**	**0804025-CX**			
16984-48-8	Fluoride	3.47E-1	ug/g dry	2.01E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	9.33E-1	ug/g dry	5.01E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	1.97E0	ug/g dry	1.00E0	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	4.65E1	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP91**		**Lab ID:**	**0804025-DF**			
16984-48-8	Fluoride	8.05E-1	ug/g dry	2.01E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	1.90E0	ug/g dry	5.01E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	<1.00E0	ug/g dry	1.00E0	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	2.91E1	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP93**		**Lab ID:**	**0804025-DL**			
16984-48-8	Fluoride	2.98E-1	ug/g dry	2.01E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	4.84E0	ug/g dry	5.03E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	1.61E0	ug/g dry	1.01E0	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	8.10E1	ug/g dry	1.01E0	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	2.38E1	ug/g dry	1.51E0	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	7/11/08	8G10007	AGG-IC-001
HEIS No.	**B1TP94**		**Lab ID:**	**0804025-DM**			
16984-48-8	Fluoride	4.24E-1	ug/g dry	1.99E-1	7/11/08	8G10007	AGG-IC-001
16887-00-6	Chloride	3.15E0	ug/g dry	4.98E-1	7/11/08	8G10007	AGG-IC-001
14797-65-0	Nitrite	<9.97E-1	ug/g dry	9.97E-1	7/11/08	8G10007	AGG-IC-001
14797-55-8	Nitrate	6.93E1	ug/g dry	9.97E-1	7/11/08	8G10007	AGG-IC-001
14808-79-8	Sulfate	1.52E1	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	7/11/08	8G10007	AGG-IC-001

Cyanide by Mircodistillation/Colorimetric

Cyanide (ug/g dry) by MICRODIST Cyanide Method

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804025-04	B1TP24	<2.12E-1	2.12E-1	12/10/08	9H06008
0804025-18	B1TNW1	5.80E-1	2.07E-1	12/10/08	9H06008
0804025-51	B1TP43	2.22E0	2.25E-1	12/10/08	9H06008
0804025-53	B1TP45	3.86E-1	2.06E-1	12/10/08	9H06008
0804025-69	B1TP51	1.66E0	2.13E-1	12/10/08	9H06008
0804025-DM	B1TP94	<2.14E-1	2.14E-1	12/10/08	9H06008

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP24**		**Lab ID:**	**0804025-04**			
7429-90-5	Aluminum	1.07E0	ug/g dry	1.51E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	2.47E-2	ug/g dry	1.54E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.85E0	ug/g dry	6.80E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.92E0	ug/g dry	2.50E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<4.09E0	ug/g dry	4.09E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.99E-1	ug/g dry	1.47E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<3.01E-2	ug/g dry	3.01E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.64E-1	ug/g dry	1.64E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.80E0	ug/g dry	1.80E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.23E2	ug/g dry	1.18E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP28**		**Lab ID:**	**0804025-07**			
7429-90-5	Aluminum	8.24E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	<1.46E-2	ug/g dry	1.46E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	<6.43E-1	ug/g dry	6.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.11E0	ug/g dry	2.36E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<3.87E0	ug/g dry	3.87E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.14E-1	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.85E-2	ug/g dry	2.85E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.55E-1	ug/g dry	1.55E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.71E0	ug/g dry	1.71E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.43E2	ug/g dry	1.11E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP29**		**Lab ID:**	**0804025-08**			
7429-90-5	Aluminum	1.16E0	ug/g dry	8.56E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.76E-2	ug/g dry	8.77E-3	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.21E-1	ug/g dry	3.86E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.73E0	ug/g dry	1.42E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.32E0	ug/g dry	2.32E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.46E-1	ug/g dry	8.32E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.31E-2	ug/g dry	9.31E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.16E2	ug/g dry	6.68E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
HEIS No.	**B1TP30**		**Lab ID:**	**0804025-09**			
7429-90-5	Aluminum	1.12E0	ug/g dry	8.58E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.17E-2	ug/g dry	8.79E-3	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.25E-1	ug/g dry	3.87E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.62E0	ug/g dry	1.42E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.33E0	ug/g dry	2.33E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.07E-1	ug/g dry	8.34E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.48E2	ug/g dry	6.69E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
HEIS No.	**B1TNV9**		**Lab ID:**	**0804025-10**			
7429-90-5	Aluminum	2.23E-1	ug/g dry	8.58E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-39-3	Barium	9.96E-3	ug/g dry	8.79E-3	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.31E0	ug/g dry	3.87E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.02E0	ug/g dry	1.42E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TNV9**		**Lab ID:**	**0804025-10**			
7440-09-7	Potassium	7.91E0	ug/g dry	2.33E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.02E-1	ug/g dry	8.34E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-23-5	Sodium	7.38E2	ug/g dry	6.69E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
HEIS No.	**B1TP22**		**Lab ID:**	**0804025-13**			
7429-90-5	Aluminum	4.46E-1	ug/g dry	1.45E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.87E-2	ug/g dry	1.48E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.26E0	ug/g dry	6.52E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	6.75E-1	ug/g dry	2.40E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<3.92E0	ug/g dry	3.92E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.68E-1	ug/g dry	1.41E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.89E-2	ug/g dry	2.89E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.57E-1	ug/g dry	1.57E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.73E0	ug/g dry	1.73E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.27E1	ug/g dry	1.13E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP26**		**Lab ID:**	**0804025-16**			
7429-90-5	Aluminum	1.03E0	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	<1.47E-2	ug/g dry	1.47E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	<6.47E-1	ug/g dry	6.47E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.34E0	ug/g dry	2.38E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<3.89E0	ug/g dry	3.89E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.54E-1	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.86E-2	ug/g dry	2.86E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.56E-1	ug/g dry	1.56E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.72E0	ug/g dry	1.72E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.35E2	ug/g dry	1.12E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TNW0**		**Lab ID:**	**0804025-17**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.28E-2	ug/g dry	8.79E-3	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.19E1	ug/g dry	3.87E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-89-6	Iron	2.30E0	ug/g dry	1.42E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.40E1	ug/g dry	2.33E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.98E1	ug/g dry	8.34E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.70E3	ug/g dry	2.23E1	9/24/08	8I23005	PNNL-AGG-ICP-AES
HEIS No.	**B1TNW1**		**Lab ID:**	**0804025-18**			
7429-90-5	Aluminum	<1.42E-1	ug/g dry	1.42E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.18E-1	ug/g dry	1.45E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.49E2	ug/g dry	6.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	4.29E0	ug/g dry	2.35E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.63E1	ug/g dry	3.84E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	8.29E1	ug/g dry	1.38E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.83E-2	ug/g dry	2.83E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.54E-1	ug/g dry	1.54E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TNW1**		**Lab ID:**	**0804025-18**			
7440-28-0	Thallium	<1.69E0	ug/g dry	1.69E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.36E3	ug/g dry	1.10E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TNW3**		**Lab ID:**	**0804025-20**			
7429-90-5	Aluminum	<8.58E-2	ug/g dry	8.58E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.34E-1	ug/g dry	8.79E-3	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.60E2	ug/g dry	3.87E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-89-6	Iron	4.74E-1	ug/g dry	1.42E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.55E1	ug/g dry	2.33E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.54E1	ug/g dry	8.34E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-96-5	Manganese	4.12E-2	ug/g dry	1.71E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-23-5	Sodium	5.31E1	ug/g dry	6.69E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
HEIS No.	**B1TNW5**		**Lab ID:**	**0804025-22**			
7429-90-5	Aluminum	<1.41E-1	ug/g dry	1.41E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.03E-1	ug/g dry	1.44E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.12E2	ug/g dry	6.34E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.19E0	ug/g dry	2.33E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.71E1	ug/g dry	3.82E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.35E1	ug/g dry	1.37E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.81E-2	ug/g dry	2.81E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.53E-1	ug/g dry	1.53E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.68E0	ug/g dry	1.68E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.40E2	ug/g dry	1.10E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP35**		**Lab ID:**	**0804025-37**			
7429-90-5	Aluminum	2.56E-1	ug/g dry	1.54E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	2.09E-2	ug/g dry	1.58E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.66E1	ug/g dry	6.96E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.56E-1	ug/g dry	2.56E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.76E0	ug/g dry	4.19E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.27E0	ug/g dry	1.50E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<3.08E-2	ug/g dry	3.08E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.68E-1	ug/g dry	1.68E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.85E0	ug/g dry	1.85E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.52E1	ug/g dry	1.20E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP40**		**Lab ID:**	**0804025-48**			
7429-90-5	Aluminum	1.49E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	<1.47E-2	ug/g dry	1.47E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.62E1	ug/g dry	6.46E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.37E-1	ug/g dry	2.37E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.11E0	ug/g dry	3.88E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.35E0	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.86E-2	ug/g dry	2.86E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.56E-1	ug/g dry	1.56E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.71E0	ug/g dry	1.71E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.23E1	ug/g dry	1.12E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP42**		**Lab ID:**	**0804025-50**			
7429-90-5	Aluminum	<8.59E-2	ug/g dry	8.59E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP42**		**Lab ID:**	**0804025-50**			
7440-39-3	Barium	1.57E-2	ug/g dry	8.80E-3	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.92E1	ug/g dry	3.87E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.30E0	ug/g dry	2.33E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.99E0	ug/g dry	8.35E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.34E-2	ug/g dry	9.34E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.11E2	ug/g dry	6.70E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
HEIS No.	**B1TP43**		**Lab ID:**	**0804025-51**			
7429-90-5	Aluminum	<1.43E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	2.79E-2	ug/g dry	1.47E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.71E2	ug/g dry	6.46E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.96E0	ug/g dry	2.37E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.94E1	ug/g dry	3.89E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.63E1	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.86E-2	ug/g dry	2.86E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.56E-1	ug/g dry	1.56E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.71E0	ug/g dry	1.71E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.47E3	ug/g dry	1.12E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP45**		**Lab ID:**	**0804025-53**			
7429-90-5	Aluminum	2.97E-1	ug/g dry	8.58E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.63E-2	ug/g dry	8.79E-3	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.23E0	ug/g dry	3.87E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-89-6	Iron	4.94E-1	ug/g dry	1.42E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.42E0	ug/g dry	2.33E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.69E0	ug/g dry	8.34E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-23-5	Sodium	5.67E2	ug/g dry	6.69E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
HEIS No.	**B1TP47**		**Lab ID:**	**0804025-57**			
7429-90-5	Aluminum	<1.42E-1	ug/g dry	1.42E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	2.37E-1	ug/g dry	1.45E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.79E2	ug/g dry	6.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	7.84E-1	ug/g dry	2.35E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.33E1	ug/g dry	3.85E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	8.80E1	ug/g dry	1.38E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.83E-2	ug/g dry	2.83E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.54E-1	ug/g dry	1.54E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.69E0	ug/g dry	1.69E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.40E2	ug/g dry	1.11E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP49**		**Lab ID:**	**0804025-61**			
7429-90-5	Aluminum	<1.43E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	2.35E-1	ug/g dry	1.47E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.47E2	ug/g dry	6.46E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.08E0	ug/g dry	2.37E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.98E1	ug/g dry	3.88E0	7/30/08	8G22002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP49**		**Lab ID:**	**0804025-61**			
7439-95-4	Magnesium	9.76E1	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	7.46E-2	ug/g dry	2.86E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.56E-1	ug/g dry	1.56E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.71E0	ug/g dry	1.71E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.97E1	ug/g dry	1.12E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP51**		**Lab ID:**	**0804025-69**			
7429-90-5	Aluminum	<1.41E-1	ug/g dry	1.41E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.85E-1	ug/g dry	1.44E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.07E2	ug/g dry	6.35E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	2.87E0	ug/g dry	2.33E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.77E1	ug/g dry	3.82E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.80E2	ug/g dry	2.74E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.94E-1	ug/g dry	2.81E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.53E-1	ug/g dry	1.53E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.68E0	ug/g dry	1.68E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.48E3	ug/g dry	1.10E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP52**		**Lab ID:**	**0804025-72**			
7429-90-5	Aluminum	<1.42E-1	ug/g dry	1.42E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	7.63E-2	ug/g dry	1.46E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.04E1	ug/g dry	6.41E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	3.64E-1	ug/g dry	2.36E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.69E1	ug/g dry	3.86E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.39E1	ug/g dry	1.38E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	9.25E-2	ug/g dry	2.84E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.55E-1	ug/g dry	1.55E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.70E0	ug/g dry	1.70E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.38E2	ug/g dry	1.11E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP53**		**Lab ID:**	**0804025-75**			
7429-90-5	Aluminum	<1.43E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	2.46E-1	ug/g dry	1.47E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.43E2	ug/g dry	6.46E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	7.39E-1	ug/g dry	2.37E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.04E1	ug/g dry	3.89E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.48E1	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.86E-2	ug/g dry	2.86E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.56E-1	ug/g dry	1.56E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.71E0	ug/g dry	1.71E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	9.63E1	ug/g dry	1.12E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP55**		**Lab ID:**	**0804025-81**			
7429-90-5	Aluminum	<1.43E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.64E-2	ug/g dry	1.47E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.37E1	ug/g dry	6.47E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.38E-1	ug/g dry	2.38E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.42E0	ug/g dry	3.89E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.39E1	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.86E-2	ug/g dry	2.86E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.56E-1	ug/g dry	1.56E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.71E0	ug/g dry	1.71E0	7/30/08	8G22002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP55**		**Lab ID:**	**0804025-81**			
7440-23-5	Sodium	1.78E1	ug/g dry	1.12E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP59**		**Lab ID:**	**0804025-87**			
7429-90-5	Aluminum	3.05E-1	ug/g dry	1.45E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.57E-2	ug/g dry	1.48E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.14E1	ug/g dry	6.54E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.40E-1	ug/g dry	2.40E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.76E0	ug/g dry	3.93E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.39E0	ug/g dry	1.41E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.89E-2	ug/g dry	2.89E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.58E-1	ug/g dry	1.58E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.73E0	ug/g dry	1.73E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.18E1	ug/g dry	1.13E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP61**		**Lab ID:**	**0804025-91**			
7429-90-5	Aluminum	3.74E-1	ug/g dry	8.60E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.28E-2	ug/g dry	8.81E-3	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.19E1	ug/g dry	3.88E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.16E0	ug/g dry	2.33E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.53E0	ug/g dry	8.35E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.35E-2	ug/g dry	9.35E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.14E1	ug/g dry	6.70E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
HEIS No.	**B1TP62**		**Lab ID:**	**0804025-94**			
7429-90-5	Aluminum	<1.41E-1	ug/g dry	1.41E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	7.81E-2	ug/g dry	1.45E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.89E1	ug/g dry	6.37E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	3.06E-1	ug/g dry	2.34E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.45E1	ug/g dry	3.83E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.43E1	ug/g dry	1.37E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.82E-2	ug/g dry	2.82E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.54E-1	ug/g dry	1.54E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.69E0	ug/g dry	1.69E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.53E2	ug/g dry	1.10E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP64**		**Lab ID:**	**0804025-AA**			
7429-90-5	Aluminum	<8.60E-2	ug/g dry	8.60E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.48E-1	ug/g dry	8.81E-3	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.39E2	ug/g dry	3.88E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-89-6	Iron	5.03E-1	ug/g dry	1.43E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.61E1	ug/g dry	2.33E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.73E1	ug/g dry	8.36E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.93E-2	ug/g dry	1.72E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.36E-2	ug/g dry	9.36E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.56E1	ug/g dry	6.71E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
HEIS No.	**B1TP67**		**Lab ID:**	**0804025-AI**			
7429-90-5	Aluminum	3.07E-1	ug/g dry	1.40E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.78E-2	ug/g dry	1.43E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP67**		**Lab ID:**	**0804025-AI**			
7440-70-2	Calcium	1.88E1	ug/g dry	6.31E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.32E-1	ug/g dry	2.32E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.33E0	ug/g dry	3.79E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.22E0	ug/g dry	1.36E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.79E-2	ug/g dry	2.79E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.52E-1	ug/g dry	1.52E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.67E0	ug/g dry	1.67E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.67E1	ug/g dry	1.09E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP69**		**Lab ID:**	**0804025-AP**			
7429-90-5	Aluminum	4.73E-1	ug/g dry	8.59E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.84E-2	ug/g dry	8.80E-3	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.32E1	ug/g dry	3.88E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.51E-1	ug/g dry	1.42E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.30E0	ug/g dry	2.33E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.70E0	ug/g dry	8.35E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.34E-2	ug/g dry	9.34E-2	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/24/08	8I23005	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.81E1	ug/g dry	6.70E-1	9/24/08	8I23005	PNNL-AGG-ICP-AES
HEIS No.	**B1TP71**		**Lab ID:**	**0804025-AV**			
7429-90-5	Aluminum	2.00E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	<1.46E-2	ug/g dry	1.46E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.23E1	ug/g dry	6.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.36E-1	ug/g dry	2.36E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.64E0	ug/g dry	3.87E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.37E0	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.85E-2	ug/g dry	2.85E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.55E-1	ug/g dry	1.55E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.70E0	ug/g dry	1.70E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.38E1	ug/g dry	1.11E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP77**		**Lab ID:**	**0804025-BK**			
7429-90-5	Aluminum	2.34E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	2.42E-2	ug/g dry	1.46E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.14E1	ug/g dry	6.44E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.37E-1	ug/g dry	2.37E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.33E0	ug/g dry	3.88E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.03E0	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.85E-2	ug/g dry	2.85E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.55E-1	ug/g dry	1.55E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.71E0	ug/g dry	1.71E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.28E1	ug/g dry	1.11E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP78**		**Lab ID:**	**0804025-BP**			
7429-90-5	Aluminum	3.83E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.89E-2	ug/g dry	1.47E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.22E1	ug/g dry	6.45E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.37E-1	ug/g dry	2.37E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.06E0	ug/g dry	3.88E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.96E0	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP78**		**Lab ID:**	**0804025-BP**			
7439-96-5	Manganese	<2.86E-2	ug/g dry	2.86E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.56E-1	ug/g dry	1.56E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.71E0	ug/g dry	1.71E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.18E1	ug/g dry	1.12E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP82**		**Lab ID:**	**0804025-BZ**			
7429-90-5	Aluminum	<1.43E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.00E-2	ug/g dry	1.46E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.88E1	ug/g dry	6.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.36E-1	ug/g dry	2.36E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.12E1	ug/g dry	3.87E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.10E1	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.85E-2	ug/g dry	2.85E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.55E-1	ug/g dry	1.55E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.71E0	ug/g dry	1.71E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.42E1	ug/g dry	1.11E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP84**		**Lab ID:**	**0804025-CF**			
7429-90-5	Aluminum	<1.43E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.55E-2	ug/g dry	1.46E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.10E1	ug/g dry	6.44E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.36E-1	ug/g dry	2.36E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.16E1	ug/g dry	3.87E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	7.83E0	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.85E-2	ug/g dry	2.85E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.55E-1	ug/g dry	1.55E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.71E0	ug/g dry	1.71E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.03E1	ug/g dry	1.11E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TNX1**		**Lab ID:**	**0804025-CI**			
7429-90-5	Aluminum	3.81E-1	ug/g dry	1.44E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.08E-2	ug/g dry	1.48E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.99E1	ug/g dry	6.50E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.39E-1	ug/g dry	2.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.78E0	ug/g dry	3.91E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.28E0	ug/g dry	1.40E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.88E-2	ug/g dry	2.88E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.57E-1	ug/g dry	1.57E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.72E0	ug/g dry	1.72E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.45E1	ug/g dry	1.12E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP86**		**Lab ID:**	**0804025-CO**			
7429-90-5	Aluminum	4.16E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.81E-2	ug/g dry	1.47E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.88E0	ug/g dry	6.45E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.37E-1	ug/g dry	2.37E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.02E0	ug/g dry	3.88E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.64E0	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.86E-2	ug/g dry	2.86E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.56E-1	ug/g dry	1.56E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.71E0	ug/g dry	1.71E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.05E1	ug/g dry	1.12E0	7/30/08	8G22002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP89**		**Lab ID:**	**0804025-CX**			
7429-90-5	Aluminum	4.42E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.13E-2	ug/g dry	1.47E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.34E1	ug/g dry	6.47E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.38E-1	ug/g dry	2.38E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.53E0	ug/g dry	3.89E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.22E0	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.86E-2	ug/g dry	2.86E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.56E-1	ug/g dry	1.56E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.71E0	ug/g dry	1.71E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.20E1	ug/g dry	1.12E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP91**		**Lab ID:**	**0804025-DF**			
7429-90-5	Aluminum	2.98E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.93E-2	ug/g dry	1.47E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.17E1	ug/g dry	6.47E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.38E-1	ug/g dry	2.38E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.14E0	ug/g dry	3.89E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.27E0	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.86E-2	ug/g dry	2.86E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.56E-1	ug/g dry	1.56E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.71E0	ug/g dry	1.71E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.77E1	ug/g dry	1.12E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP93**		**Lab ID:**	**0804025-DL**			
7429-90-5	Aluminum	<1.44E-1	ug/g dry	1.44E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.67E-2	ug/g dry	1.47E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.70E1	ug/g dry	6.48E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.38E-1	ug/g dry	2.38E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.58E0	ug/g dry	3.90E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.56E0	ug/g dry	1.40E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.87E-2	ug/g dry	2.87E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.56E-1	ug/g dry	1.56E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.72E0	ug/g dry	1.72E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.66E1	ug/g dry	1.12E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
HEIS No.	**B1TP94**		**Lab ID:**	**0804025-DM**			
7429-90-5	Aluminum	1.64E-1	ug/g dry	1.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-39-3	Barium	1.47E-2	ug/g dry	1.46E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.29E0	ug/g dry	6.43E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-89-6	Iron	<2.36E-1	ug/g dry	2.36E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<3.87E0	ug/g dry	3.87E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.28E0	ug/g dry	1.39E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<2.85E-2	ug/g dry	2.85E-2	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.55E-1	ug/g dry	1.55E-1	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.70E0	ug/g dry	1.70E0	7/30/08	8G22002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.17E1	ug/g dry	1.11E0	7/30/08	8G22002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP24**		**Lab ID:**	**0804025-04**			
7429-90-5	Aluminum	4.41E3	ug/g dry	8.58E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.92E1	ug/g dry	8.17E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.33E3	ug/g dry	3.19E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.02E4	ug/g dry	8.72E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.97E2	ug/g dry	2.02E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.57E3	ug/g dry	6.75E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.89E2	ug/g dry	2.55E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.02E0	ug/g dry	1.75E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.64E0	ug/g dry	9.64E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	8.72E2	ug/g dry	2.29E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TP28**		**Lab ID:**	**0804025-07**			
7429-90-5	Aluminum	4.56E3	ug/g dry	3.34E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.59E1	ug/g dry	7.95E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.81E3	ug/g dry	3.10E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.35E4	ug/g dry	8.48E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.28E2	ug/g dry	1.97E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.17E3	ug/g dry	2.63E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.02E2	ug/g dry	2.48E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.24E0	ug/g dry	1.71E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.38E0	ug/g dry	9.38E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.35E3	ug/g dry	2.22E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TP29**		**Lab ID:**	**0804025-08**			
7429-90-5	Aluminum	4.49E3	ug/g dry	8.28E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.38E1	ug/g dry	7.89E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.12E3	ug/g dry	3.08E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.43E4	ug/g dry	8.41E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.45E2	ug/g dry	1.95E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.00E3	ug/g dry	2.60E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.93E2	ug/g dry	2.46E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	6.60E0	ug/g dry	1.69E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.30E0	ug/g dry	9.30E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.13E3	ug/g dry	2.21E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TP30**		**Lab ID:**	**0804025-09**			
7429-90-5	Aluminum	5.21E3	ug/g dry	3.42E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.93E1	ug/g dry	8.13E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.52E3	ug/g dry	3.17E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.41E4	ug/g dry	8.68E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.46E2	ug/g dry	2.01E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.75E3	ug/g dry	2.69E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.12E2	ug/g dry	2.54E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.03E1	ug/g dry	1.75E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.59E0	ug/g dry	9.59E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.03E3	ug/g dry	2.28E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TNV9**		**Lab ID:**	**0804025-10**			
7429-90-5	Aluminum	4.46E3	ug/g dry	8.29E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.56E1	ug/g dry	7.89E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.11E3	ug/g dry	3.08E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.19E4	ug/g dry	8.42E1	9/24/08	8I23006	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TNV9**		**Lab ID:**	**0804025-10**			
7440-09-7	Potassium	7.47E2	ug/g dry	1.95E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.58E3	ug/g dry	2.61E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.95E2	ug/g dry	2.47E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	9.50E0	ug/g dry	1.69E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.31E0	ug/g dry	9.31E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.44E3	ug/g dry	2.21E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TP22**		**Lab ID:**	**0804025-13**			
7429-90-5	Aluminum	4.04E3	ug/g dry	8.36E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	6.66E1	ug/g dry	7.96E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.70E3	ug/g dry	3.11E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.87E4	ug/g dry	8.49E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.16E2	ug/g dry	1.97E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.38E3	ug/g dry	2.63E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.40E2	ug/g dry	2.49E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	6.64E0	ug/g dry	1.71E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.39E0	ug/g dry	9.39E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.72E2	ug/g dry	2.23E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TP26**		**Lab ID:**	**0804025-16**			
7429-90-5	Aluminum	4.61E3	ug/g dry	3.35E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.44E1	ug/g dry	7.97E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.41E3	ug/g dry	3.11E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.38E4	ug/g dry	8.51E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.64E2	ug/g dry	1.97E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.43E3	ug/g dry	2.63E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.03E2	ug/g dry	2.49E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.57E0	ug/g dry	1.71E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.41E0	ug/g dry	9.41E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.04E3	ug/g dry	2.23E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TNW0**		**Lab ID:**	**0804025-17**			
7429-90-5	Aluminum	4.33E3	ug/g dry	8.43E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.32E1	ug/g dry	8.03E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.10E3	ug/g dry	3.13E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.16E4	ug/g dry	8.57E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.88E2	ug/g dry	1.99E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.09E3	ug/g dry	2.65E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.12E2	ug/g dry	2.51E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	6.86E0	ug/g dry	1.72E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.47E0	ug/g dry	9.47E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.35E3	ug/g dry	2.25E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TNW1**		**Lab ID:**	**0804025-18**			
7429-90-5	Aluminum	4.97E3	ug/g dry	3.34E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.06E1	ug/g dry	7.96E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.76E3	ug/g dry	3.10E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.14E4	ug/g dry	8.49E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.21E3	ug/g dry	1.97E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.97E3	ug/g dry	2.63E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.09E2	ug/g dry	2.49E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.55E0	ug/g dry	1.71E0	9/24/08	8I23006	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TNW1**		**Lab ID:**	**0804025-18**			
7440-28-0	Thallium	<9.39E0	ug/g dry	9.39E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.81E3	ug/g dry	2.23E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TNW3**		**Lab ID:**	**0804025-20**			
7429-90-5	Aluminum	4.85E3	ug/g dry	3.35E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.80E1	ug/g dry	7.98E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.50E3	ug/g dry	3.11E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.29E4	ug/g dry	8.51E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.50E2	ug/g dry	1.98E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.78E3	ug/g dry	2.63E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.10E2	ug/g dry	2.49E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.99E0	ug/g dry	1.71E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.41E0	ug/g dry	9.41E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.44E2	ug/g dry	2.23E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TNW5**		**Lab ID:**	**0804025-22**			
7429-90-5	Aluminum	5.17E3	ug/g dry	3.38E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.28E1	ug/g dry	8.04E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.97E3	ug/g dry	3.14E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.02E4	ug/g dry	8.58E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.31E3	ug/g dry	1.99E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.79E3	ug/g dry	2.66E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.19E2	ug/g dry	2.51E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	9.43E0	ug/g dry	1.73E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.49E0	ug/g dry	9.49E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.64E2	ug/g dry	2.25E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TP35**		**Lab ID:**	**0804025-37**			
7429-90-5	Aluminum	4.91E3	ug/g dry	3.36E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.46E1	ug/g dry	8.00E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.82E3	ug/g dry	3.12E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.05E4	ug/g dry	8.54E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.71E2	ug/g dry	1.98E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.93E3	ug/g dry	2.64E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.25E2	ug/g dry	2.50E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.21E1	ug/g dry	1.72E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.44E0	ug/g dry	9.44E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<2.24E2	ug/g dry	2.24E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TP40**		**Lab ID:**	**0804025-48**			
7429-90-5	Aluminum	5.39E3	ug/g dry	3.38E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.72E1	ug/g dry	8.05E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.50E3	ug/g dry	3.14E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.06E4	ug/g dry	8.59E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.20E3	ug/g dry	1.99E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.07E3	ug/g dry	2.66E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.25E2	ug/g dry	2.52E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.22E1	ug/g dry	1.73E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.50E0	ug/g dry	9.50E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<2.25E2	ug/g dry	2.25E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TP42**		**Lab ID:**	**0804025-50**			
7429-90-5	Aluminum	4.58E3	ug/g dry	3.27E1	9/24/08	8I23006	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP42**		**Lab ID:**	**0804025-50**			
7440-39-3	Barium	3.77E1	ug/g dry	7.79E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.25E3	ug/g dry	3.04E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	9.08E3	ug/g dry	8.31E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.02E3	ug/g dry	1.93E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.55E3	ug/g dry	2.57E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.04E2	ug/g dry	2.43E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.12E1	ug/g dry	1.67E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.19E0	ug/g dry	9.19E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.50E2	ug/g dry	2.18E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TP43**		**Lab ID:**	**0804025-51**			
7429-90-5	Aluminum	5.57E3	ug/g dry	3.66E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.33E1	ug/g dry	8.72E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.11E3	ug/g dry	3.40E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.10E4	ug/g dry	9.30E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.43E3	ug/g dry	2.16E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.84E3	ug/g dry	2.88E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.46E2	ug/g dry	2.72E-1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.26E1	ug/g dry	1.87E0	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E1	ug/g dry	1.03E1	9/24/08	8I23006	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.75E3	ug/g dry	2.44E2	9/24/08	8I23006	PNNL-AGG-ICP-AES
HEIS No.	**B1TP45**		**Lab ID:**	**0804025-53**			
7429-90-5	Aluminum	1.29E3	ug/g dry	8.36E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.77E1	ug/g dry	7.97E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.45E3	ug/g dry	3.11E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.39E4	ug/g dry	8.50E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.77E2	ug/g dry	1.97E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.60E3	ug/g dry	2.63E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.43E2	ug/g dry	2.49E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	7.75E0	ug/g dry	1.71E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.40E0	ug/g dry	9.40E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.30E3	ug/g dry	2.23E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP47**		**Lab ID:**	**0804025-57**			
7429-90-5	Aluminum	5.08E3	ug/g dry	3.32E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.02E1	ug/g dry	7.90E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.63E3	ug/g dry	3.08E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.22E4	ug/g dry	8.43E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.52E2	ug/g dry	1.96E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.10E3	ug/g dry	2.61E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.27E2	ug/g dry	2.47E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.08E1	ug/g dry	1.70E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.32E0	ug/g dry	9.32E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.22E2	ug/g dry	2.21E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP49**		**Lab ID:**	**0804025-61**			
7429-90-5	Aluminum	4.99E3	ug/g dry	3.30E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.78E1	ug/g dry	7.85E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.28E3	ug/g dry	3.06E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.26E4	ug/g dry	8.38E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.03E2	ug/g dry	1.94E1	9/24/08	8I23007	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP49**		**Lab ID:**	**0804025-61**			
7439-95-4	Magnesium	4.02E3	ug/g dry	2.59E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.27E2	ug/g dry	2.45E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	9.73E0	ug/g dry	1.69E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.27E0	ug/g dry	9.27E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<2.20E2	ug/g dry	2.20E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP51**		**Lab ID:**	**0804025-69**			
7429-90-5	Aluminum	5.34E3	ug/g dry	3.46E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.80E1	ug/g dry	8.24E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.39E3	ug/g dry	3.21E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.11E4	ug/g dry	8.79E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.21E3	ug/g dry	2.04E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.01E3	ug/g dry	2.72E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.27E2	ug/g dry	2.57E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.23E1	ug/g dry	1.77E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.72E0	ug/g dry	9.72E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.65E3	ug/g dry	2.30E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP52**		**Lab ID:**	**0804025-72**			
7429-90-5	Aluminum	4.78E3	ug/g dry	3.35E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.34E1	ug/g dry	7.97E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.09E3	ug/g dry	3.11E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.21E4	ug/g dry	8.51E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.69E2	ug/g dry	1.97E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.76E3	ug/g dry	2.63E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.09E2	ug/g dry	2.49E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	9.58E0	ug/g dry	1.71E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.41E0	ug/g dry	9.41E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	5.21E2	ug/g dry	2.23E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP53**		**Lab ID:**	**0804025-75**			
7429-90-5	Aluminum	4.99E3	ug/g dry	3.31E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.12E1	ug/g dry	7.88E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.32E3	ug/g dry	3.07E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.22E4	ug/g dry	8.41E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.55E2	ug/g dry	1.95E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.94E3	ug/g dry	2.60E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.15E2	ug/g dry	2.46E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.07E1	ug/g dry	1.69E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.30E0	ug/g dry	9.30E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.47E2	ug/g dry	2.20E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP55**		**Lab ID:**	**0804025-81**			
7429-90-5	Aluminum	4.77E3	ug/g dry	3.36E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.38E1	ug/g dry	8.01E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.37E3	ug/g dry	3.12E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.17E4	ug/g dry	8.55E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.17E2	ug/g dry	1.98E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.73E3	ug/g dry	2.65E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.12E2	ug/g dry	2.50E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.03E1	ug/g dry	1.72E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.45E0	ug/g dry	9.45E0	9/24/08	8I23007	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP55**		**Lab ID:**	**0804025-81**			
7440-23-5	Sodium	<2.24E2	ug/g dry	2.24E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP59**		**Lab ID:**	**0804025-87**			
7429-90-5	Aluminum	5.16E3	ug/g dry	3.30E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.06E1	ug/g dry	7.86E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.86E3	ug/g dry	3.07E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.21E4	ug/g dry	8.39E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.60E2	ug/g dry	1.95E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.12E3	ug/g dry	2.60E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.14E2	ug/g dry	2.46E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.31E1	ug/g dry	1.69E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.27E0	ug/g dry	9.27E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<2.20E2	ug/g dry	2.20E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP61**		**Lab ID:**	**0804025-91**			
7429-90-5	Aluminum	4.95E3	ug/g dry	3.32E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.20E1	ug/g dry	7.91E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.48E3	ug/g dry	3.08E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.05E4	ug/g dry	8.44E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.67E2	ug/g dry	1.96E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.71E3	ug/g dry	2.61E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.01E2	ug/g dry	2.47E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.14E1	ug/g dry	1.70E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.33E0	ug/g dry	9.33E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<2.21E2	ug/g dry	2.21E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP62**		**Lab ID:**	**0804025-94**			
7429-90-5	Aluminum	5.32E3	ug/g dry	3.35E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.41E1	ug/g dry	7.98E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.63E3	ug/g dry	3.11E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.38E4	ug/g dry	8.51E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.39E2	ug/g dry	1.98E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.76E3	ug/g dry	2.63E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.44E2	ug/g dry	2.49E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	9.14E0	ug/g dry	1.71E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.41E0	ug/g dry	9.41E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	5.46E2	ug/g dry	2.23E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP64**		**Lab ID:**	**0804025-AA**			
7429-90-5	Aluminum	4.83E3	ug/g dry	3.39E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.67E1	ug/g dry	8.06E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.00E3	ug/g dry	3.14E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.29E4	ug/g dry	8.60E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.31E2	ug/g dry	2.00E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.81E3	ug/g dry	2.66E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.23E2	ug/g dry	2.52E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	9.31E0	ug/g dry	1.73E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.51E0	ug/g dry	9.51E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<2.26E2	ug/g dry	2.26E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP67**		**Lab ID:**	**0804025-AI**			
7429-90-5	Aluminum	5.15E3	ug/g dry	3.36E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.96E1	ug/g dry	8.00E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP67**		**Lab ID:**	**0804025-AI**			
7440-70-2	Calcium	5.91E3	ug/g dry	3.12E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.32E4	ug/g dry	8.54E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.59E2	ug/g dry	1.98E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.73E3	ug/g dry	2.64E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.17E2	ug/g dry	2.50E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.02E1	ug/g dry	1.72E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.44E0	ug/g dry	9.44E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<2.24E2	ug/g dry	2.24E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP69**		**Lab ID:**	**0804025-AP**			
7429-90-5	Aluminum	4.99E3	ug/g dry	3.38E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.64E1	ug/g dry	8.05E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.08E3	ug/g dry	3.14E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.33E4	ug/g dry	8.59E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.07E2	ug/g dry	1.99E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.49E3	ug/g dry	2.66E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.17E2	ug/g dry	2.52E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.02E1	ug/g dry	1.73E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.50E0	ug/g dry	9.50E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.55E2	ug/g dry	2.25E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP82**		**Lab ID:**	**0804025-BZ**			
7429-90-5	Aluminum	5.63E3	ug/g dry	3.38E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.05E1	ug/g dry	8.04E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.28E3	ug/g dry	3.14E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.32E4	ug/g dry	8.58E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.10E3	ug/g dry	1.99E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.65E3	ug/g dry	2.66E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.24E2	ug/g dry	2.51E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.00E1	ug/g dry	1.73E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.49E0	ug/g dry	9.49E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.49E2	ug/g dry	2.25E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP93**		**Lab ID:**	**0804025-DL**			
7429-90-5	Aluminum	3.54E3	ug/g dry	8.86E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.40E1	ug/g dry	8.44E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.91E3	ug/g dry	3.29E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.09E4	ug/g dry	9.00E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.17E2	ug/g dry	2.09E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.74E3	ug/g dry	6.97E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.48E2	ug/g dry	2.64E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	4.35E0	ug/g dry	1.81E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.95E0	ug/g dry	9.95E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.20E2	ug/g dry	2.36E2	9/24/08	8I23007	PNNL-AGG-ICP-AES
HEIS No.	**B1TP94**		**Lab ID:**	**0804025-DM**			
7429-90-5	Aluminum	4.66E3	ug/g dry	8.61E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.63E1	ug/g dry	8.20E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.05E3	ug/g dry	3.20E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.47E4	ug/g dry	8.75E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.60E2	ug/g dry	2.03E1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.78E3	ug/g dry	6.77E0	9/24/08	8I23007	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP94**		**Lab ID:**	**0804025-DM**			
7439-96-5	Manganese	1.99E2	ug/g dry	2.56E-1	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.17E0	ug/g dry	1.76E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<9.67E0	ug/g dry	9.67E0	9/24/08	8I23007	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.11E2	ug/g dry	2.29E2	9/24/08	8I23007	PNNL-AGG-ICP-AES

Radionuclides by ICP-MS/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP24**		**Lab ID:**	**0804025-04**			
14133-76-7	Technetium-99	<4.14E-3	ug/g dry	4.14E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	2.24E1	ug/g dry	3.00E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TP28**		**Lab ID:**	**0804025-07**			
14133-76-7	Technetium-99	<4.02E-3	ug/g dry	4.02E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	3.52E-1	ug/g dry	2.92E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TP29**		**Lab ID:**	**0804025-08**			
14133-76-7	Technetium-99	<3.99E-3	ug/g dry	3.99E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	3.37E-1	ug/g dry	2.90E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TP30**		**Lab ID:**	**0804025-09**			
14133-76-7	Technetium-99	<4.11E-3	ug/g dry	4.11E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	3.45E-1	ug/g dry	2.99E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TNV9**		**Lab ID:**	**0804025-10**			
14133-76-7	Technetium-99	<3.99E-3	ug/g dry	3.99E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	3.31E-1	ug/g dry	2.90E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TP22**		**Lab ID:**	**0804025-13**			
14133-76-7	Technetium-99	<4.03E-3	ug/g dry	4.03E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	4.48E-1	ug/g dry	2.92E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TP26**		**Lab ID:**	**0804025-16**			
14133-76-7	Technetium-99	<4.03E-3	ug/g dry	4.03E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	3.33E-1	ug/g dry	2.93E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TNW0**		**Lab ID:**	**0804025-17**			
14133-76-7	Technetium-99	8.34E-3	ug/g dry	4.06E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	2.95E-1	ug/g dry	2.95E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TNW1**		**Lab ID:**	**0804025-18**			
14133-76-7	Technetium-99	1.17E-2	ug/g dry	4.03E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	3.73E-1	ug/g dry	2.92E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TNW3**		**Lab ID:**	**0804025-20**			
14133-76-7	Technetium-99	<4.03E-3	ug/g dry	4.03E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	3.57E-1	ug/g dry	2.93E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TNW5**		**Lab ID:**	**0804025-22**			
14133-76-7	Technetium-99	4.53E-3	ug/g dry	4.07E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	3.73E-1	ug/g dry	2.95E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TP35**		**Lab ID:**	**0804025-37**			
14133-76-7	Technetium-99	<4.05E-3	ug/g dry	4.05E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	3.93E-1	ug/g dry	2.94E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TP40**		**Lab ID:**	**0804025-48**			
14133-76-7	Technetium-99	<4.07E-3	ug/g dry	4.07E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	3.42E-1	ug/g dry	2.96E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TP42**		**Lab ID:**	**0804025-50**			
14133-76-7	Technetium-99	<3.94E-3	ug/g dry	3.94E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	3.24E-1	ug/g dry	2.86E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TP43**		**Lab ID:**	**0804025-51**			
14133-76-7	Technetium-99	6.96E-3	ug/g dry	4.41E-3	9/22/08	8I22001	PNNL-AGG-415
	Uranium 238	3.63E-1	ug/g dry	3.20E-2	9/22/08	8I22001	PNNL-AGG-415
HEIS No.	**B1TP45**		**Lab ID:**	**0804025-53**			
14133-76-7	Technetium-99	<4.03E-3	ug/g dry	4.03E-3	9/22/08	8I22002	PNNL-AGG-415

Radionuclides by ICP-MS/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP45**		**Lab ID:**	**0804025-53**			
	Uranium 238	3.15E-1	ug/g dry	2.93E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP47**		**Lab ID:**	**0804025-57**			
14133-76-7	Technetium-99	4.99E-3	ug/g dry	3.99E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.49E-1	ug/g dry	2.90E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP49**		**Lab ID:**	**0804025-61**			
14133-76-7	Technetium-99	4.77E-3	ug/g dry	3.97E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.28E-1	ug/g dry	2.88E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP51**		**Lab ID:**	**0804025-69**			
14133-76-7	Technetium-99	1.23E-2	ug/g dry	4.17E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.97E-1	ug/g dry	3.03E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP52**		**Lab ID:**	**0804025-72**			
14133-76-7	Technetium-99	<4.03E-3	ug/g dry	4.03E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.10E-1	ug/g dry	2.93E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP53**		**Lab ID:**	**0804025-75**			
14133-76-7	Technetium-99	5.40E-3	ug/g dry	3.99E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.44E-1	ug/g dry	2.90E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP55**		**Lab ID:**	**0804025-81**			
14133-76-7	Technetium-99	<4.05E-3	ug/g dry	4.05E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.62E-1	ug/g dry	2.94E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP59**		**Lab ID:**	**0804025-87**			
14133-76-7	Technetium-99	<3.98E-3	ug/g dry	3.98E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.03E-1	ug/g dry	2.89E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP61**		**Lab ID:**	**0804025-91**			
14133-76-7	Technetium-99	<4.00E-3	ug/g dry	4.00E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.98E-1	ug/g dry	2.90E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP62**		**Lab ID:**	**0804025-94**			
14133-76-7	Technetium-99	<4.04E-3	ug/g dry	4.04E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.42E-1	ug/g dry	2.93E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP64**		**Lab ID:**	**0804025-AA**			
14133-76-7	Technetium-99	<4.08E-3	ug/g dry	4.08E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.54E-1	ug/g dry	2.96E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP67**		**Lab ID:**	**0804025-AI**			
14133-76-7	Technetium-99	<4.05E-3	ug/g dry	4.05E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.17E-1	ug/g dry	2.94E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP69**		**Lab ID:**	**0804025-AP**			
14133-76-7	Technetium-99	<4.07E-3	ug/g dry	4.07E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.91E-1	ug/g dry	2.96E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP82**		**Lab ID:**	**0804025-BZ**			
14133-76-7	Technetium-99	<4.07E-3	ug/g dry	4.07E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.23E-1	ug/g dry	2.95E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP93**		**Lab ID:**	**0804025-DL**			
14133-76-7	Technetium-99	<4.27E-3	ug/g dry	4.27E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	2.72E-1	ug/g dry	3.10E-2	9/22/08	8I22002	PNNL-AGG-415
HEIS No.	**B1TP94**		**Lab ID:**	**0804025-DM**			
14133-76-7	Technetium-99	<4.15E-3	ug/g dry	4.15E-3	9/22/08	8I22002	PNNL-AGG-415
	Uranium 238	3.35E-1	ug/g dry	3.01E-2	9/22/08	8I22002	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP24**		**Lab ID:**	**0804025-04**			
15046-84-1	Iodine-129	<3.98E-4	ug/g dry	3.98E-4	9/19/08	8I16005	PNNL-AGG-415
HEIS No.	**B1TP28**		**Lab ID:**	**0804025-07**			
15046-84-1	Iodine-129	<3.77E-4	ug/g dry	3.77E-4	9/19/08	8I16005	PNNL-AGG-415
HEIS No.	**B1TP29**		**Lab ID:**	**0804025-08**			
15046-84-1	Iodine-129	<3.77E-4	ug/g dry	3.77E-4	9/19/08	8I16004	PNNL-AGG-415
HEIS No.	**B1TP30**		**Lab ID:**	**0804025-09**			
15046-84-1	Iodine-129	<3.77E-4	ug/g dry	3.77E-4	9/22/08	8I16004	PNNL-AGG-415
HEIS No.	**B1TNV9**		**Lab ID:**	**0804025-10**			
15046-84-1	Iodine-129	<3.78E-4	ug/g dry	3.78E-4	9/19/08	8I16004	PNNL-AGG-415
HEIS No.	**B1TP22**		**Lab ID:**	**0804025-13**			
15046-84-1	Iodine-129	<3.82E-4	ug/g dry	3.82E-4	9/19/08	8I16005	PNNL-AGG-415
HEIS No.	**B1TP26**		**Lab ID:**	**0804025-16**			
15046-84-1	Iodine-129	<3.79E-4	ug/g dry	3.79E-4	9/22/08	8I16005	PNNL-AGG-415
HEIS No.	**B1TNW0**		**Lab ID:**	**0804025-17**			
15046-84-1	Iodine-129	<3.78E-4	ug/g dry	3.78E-4	9/19/08	8I16004	PNNL-AGG-415
HEIS No.	**B1TNW1**		**Lab ID:**	**0804025-18**			
15046-84-1	Iodine-129	<3.74E-4	ug/g dry	3.74E-4	9/22/08	8I16005	PNNL-AGG-415
HEIS No.	**B1TNW3**		**Lab ID:**	**0804025-20**			
15046-84-1	Iodine-129	<3.78E-4	ug/g dry	3.78E-4	9/19/08	8I16004	PNNL-AGG-415
HEIS No.	**B1TNW5**		**Lab ID:**	**0804025-22**			
15046-84-1	Iodine-129	<3.71E-4	ug/g dry	3.71E-4	9/19/08	8I16005	PNNL-AGG-415
HEIS No.	**B1TP35**		**Lab ID:**	**0804025-37**			
15046-84-1	Iodine-129	<4.08E-4	ug/g dry	4.08E-4	9/19/08	8I16005	PNNL-AGG-415
HEIS No.	**B1TP40**		**Lab ID:**	**0804025-48**			
15046-84-1	Iodine-129	<3.78E-4	ug/g dry	3.78E-4	9/19/08	8I16005	PNNL-AGG-415
HEIS No.	**B1TP42**		**Lab ID:**	**0804025-50**			
15046-84-1	Iodine-129	<3.78E-4	ug/g dry	3.78E-4	9/19/08	8I16004	PNNL-AGG-415
HEIS No.	**B1TP43**		**Lab ID:**	**0804025-51**			
15046-84-1	Iodine-129	<3.78E-4	ug/g dry	3.78E-4	9/22/08	8I16005	PNNL-AGG-415
HEIS No.	**B1TP45**		**Lab ID:**	**0804025-53**			
15046-84-1	Iodine-129	<3.78E-4	ug/g dry	3.78E-4	9/19/08	8I16004	PNNL-AGG-415
HEIS No.	**B1TP47**		**Lab ID:**	**0804025-57**			
15046-84-1	Iodine-129	<3.74E-4	ug/g dry	3.74E-4	9/22/08	8I16005	PNNL-AGG-415
HEIS No.	**B1TP49**		**Lab ID:**	**0804025-61**			
15046-84-1	Iodine-129	<3.78E-4	ug/g dry	3.78E-4	9/19/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP51**		**Lab ID:**	**0804025-69**			
15046-84-1	Iodine-129	<3.72E-4	ug/g dry	3.72E-4	9/22/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP52**		**Lab ID:**	**0804025-72**			
15046-84-1	Iodine-129	<3.75E-4	ug/g dry	3.75E-4	9/19/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP53**		**Lab ID:**	**0804025-75**			
15046-84-1	Iodine-129	<3.78E-4	ug/g dry	3.78E-4	9/19/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP55**		**Lab ID:**	**0804025-81**			
15046-84-1	Iodine-129	<3.79E-4	ug/g dry	3.79E-4	9/19/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP59**		**Lab ID:**	**0804025-87**			
15046-84-1	Iodine-129	<3.83E-4	ug/g dry	3.83E-4	9/19/08	8I16006	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP61**		**Lab ID:**	**0804025-91**			
15046-84-1	Iodine-129	<3.78E-4	ug/g dry	3.78E-4	9/19/08	8I16004	PNNL-AGG-415
HEIS No.	**B1TP62**		**Lab ID:**	**0804025-94**			
15046-84-1	Iodine-129	<3.73E-4	ug/g dry	3.73E-4	9/19/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP64**		**Lab ID:**	**0804025-AA**			
15046-84-1	Iodine-129	<3.79E-4	ug/g dry	3.79E-4	9/19/08	8I16004	PNNL-AGG-415
HEIS No.	**B1TP67**		**Lab ID:**	**0804025-AI**			
15046-84-1	Iodine-129	<3.69E-4	ug/g dry	3.69E-4	9/19/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP69**		**Lab ID:**	**0804025-AP**			
15046-84-1	Iodine-129	<3.78E-4	ug/g dry	3.78E-4	9/19/08	8I16004	PNNL-AGG-415
HEIS No.	**B1TP71**		**Lab ID:**	**0804025-AV**			
15046-84-1	Iodine-129	<3.76E-4	ug/g dry	3.76E-4	9/22/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP77**		**Lab ID:**	**0804025-BK**			
15046-84-1	Iodine-129	<3.77E-4	ug/g dry	3.77E-4	9/22/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP78**		**Lab ID:**	**0804025-BP**			
15046-84-1	Iodine-129	<3.78E-4	ug/g dry	3.78E-4	9/22/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP82**		**Lab ID:**	**0804025-BZ**			
15046-84-1	Iodine-129	<3.76E-4	ug/g dry	3.76E-4	9/22/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP84**		**Lab ID:**	**0804025-CF**			
15046-84-1	Iodine-129	<3.77E-4	ug/g dry	3.77E-4	9/22/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TNX1**		**Lab ID:**	**0804025-CI**			
15046-84-1	Iodine-129	<3.80E-4	ug/g dry	3.80E-4	9/22/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP86**		**Lab ID:**	**0804025-CO**			
15046-84-1	Iodine-129	<3.78E-4	ug/g dry	3.78E-4	9/22/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP89**		**Lab ID:**	**0804025-CX**			
15046-84-1	Iodine-129	<3.79E-4	ug/g dry	3.79E-4	9/22/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP91**		**Lab ID:**	**0804025-DF**			
15046-84-1	Iodine-129	<3.79E-4	ug/g dry	3.79E-4	9/22/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP93**		**Lab ID:**	**0804025-DL**			
15046-84-1	Iodine-129	<3.79E-4	ug/g dry	3.79E-4	9/22/08	8I16006	PNNL-AGG-415
HEIS No.	**B1TP94**		**Lab ID:**	**0804025-DM**			
15046-84-1	Iodine-129	<3.76E-4	ug/g dry	3.76E-4	9/22/08	8I16006	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP24**		**Lab ID:**	**0804025-04**			
14133-76-7	Technetium-99	<2.43E-5	ug/g dry	2.43E-5	7/15/08	8G15001	PNNL-AGG-415
	Uranium 238	1.39E-1	ug/g dry	5.94E-4	7/15/08	8G15001	PNNL-AGG-415
HEIS No.	**B1TP28**		**Lab ID:**	**0804025-07**			
14133-76-7	Technetium-99	2.56E-5	ug/g dry	2.29E-5	7/15/08	8G15001	PNNL-AGG-415
	Uranium 238	3.49E-3	ug/g dry	5.62E-4	7/15/08	8G15001	PNNL-AGG-415
HEIS No.	**B1TP29**		**Lab ID:**	**0804025-08**			
14133-76-7	Technetium-99	5.29E-5	ug/g dry	2.30E-5	9/09/08	8I09003	PNNL-AGG-415
	Uranium 238	5.89E-3	ug/g dry	5.62E-4	9/09/08	8I09003	PNNL-AGG-415
HEIS No.	**B1TP30**		**Lab ID:**	**0804025-09**			
14133-76-7	Technetium-99	1.48E-4	ug/g dry	2.30E-5	9/09/08	8I09003	PNNL-AGG-415
	Uranium 238	6.80E-3	ug/g dry	5.63E-4	9/09/08	8I09003	PNNL-AGG-415
HEIS No.	**B1TNV9**		**Lab ID:**	**0804025-10**			
14133-76-7	Technetium-99	5.87E-4	ug/g dry	2.30E-5	9/09/08	8I09003	PNNL-AGG-415
	Uranium 238	2.59E-3	ug/g dry	5.64E-4	9/09/08	8I09003	PNNL-AGG-415
HEIS No.	**B1TP22**		**Lab ID:**	**0804025-13**			
14133-76-7	Technetium-99	<2.33E-5	ug/g dry	2.33E-5	7/15/08	8G15001	PNNL-AGG-415
	Uranium 238	2.93E-3	ug/g dry	5.70E-4	7/15/08	8G15001	PNNL-AGG-415
HEIS No.	**B1TP26**		**Lab ID:**	**0804025-16**			
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	7/15/08	8G15001	PNNL-AGG-415
	Uranium 238	2.64E-3	ug/g dry	5.65E-4	7/15/08	8G15001	PNNL-AGG-415
HEIS No.	**B1TNW0**		**Lab ID:**	**0804025-17**			
14133-76-7	Technetium-99	4.36E-3	ug/g dry	2.30E-5	9/09/08	8I09003	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	9/09/08	8I09003	PNNL-AGG-415
HEIS No.	**B1TNW1**		**Lab ID:**	**0804025-18**			
14133-76-7	Technetium-99	1.16E-2	ug/g dry	2.28E-5	7/15/08	8G15001	PNNL-AGG-415
	Uranium 238	<5.58E-4	ug/g dry	5.58E-4	7/15/08	8G15001	PNNL-AGG-415
HEIS No.	**B1TNW3**		**Lab ID:**	**0804025-20**			
14133-76-7	Technetium-99	1.04E-3	ug/g dry	2.30E-5	9/09/08	8I09003	PNNL-AGG-415
	Uranium 238	7.25E-4	ug/g dry	5.64E-4	9/09/08	8I09003	PNNL-AGG-415
HEIS No.	**B1TNW5**		**Lab ID:**	**0804025-22**			
14133-76-7	Technetium-99	2.57E-3	ug/g dry	2.26E-5	7/15/08	8G15001	PNNL-AGG-415
	Uranium 238	8.14E-4	ug/g dry	5.54E-4	7/15/08	8G15001	PNNL-AGG-415
HEIS No.	**B1TP35**		**Lab ID:**	**0804025-37**			
14133-76-7	Technetium-99	<2.48E-5	ug/g dry	2.48E-5	7/15/08	8G15001	PNNL-AGG-415
	Uranium 238	<6.08E-4	ug/g dry	6.08E-4	7/15/08	8G15001	PNNL-AGG-415
HEIS No.	**B1TP40**		**Lab ID:**	**0804025-48**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	7/15/08	8G15001	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	7/15/08	8G15001	PNNL-AGG-415
HEIS No.	**B1TP42**		**Lab ID:**	**0804025-50**			
14133-76-7	Technetium-99	3.02E-4	ug/g dry	2.30E-5	9/09/08	8I09003	PNNL-AGG-415
	Uranium 238	7.26E-4	ug/g dry	5.64E-4	9/09/08	8I09003	PNNL-AGG-415
HEIS No.	**B1TP43**		**Lab ID:**	**0804025-51**			
14133-76-7	Technetium-99	6.21E-3	ug/g dry	2.30E-5	7/15/08	8G15001	PNNL-AGG-415
	Uranium 238	1.51E-3	ug/g dry	5.65E-4	7/15/08	8G15001	PNNL-AGG-415
HEIS No.	**B1TP45**		**Lab ID:**	**0804025-53**			
14133-76-7	Technetium-99	1.08E-3	ug/g dry	2.30E-5	9/09/08	8I09003	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP45**		**Lab ID:**	**0804025-53**			
	Uranium 238	7.29E-4	ug/g dry	5.64E-4	9/09/08	8I09003	PNNL-AGG-415
HEIS No.	**B1TP47**		**Lab ID:**	**0804025-57**			
14133-76-7	Technetium-99	2.88E-3	ug/g dry	2.28E-5	7/15/08	8G15001	PNNL-AGG-415
	Uranium 238	6.80E-4	ug/g dry	5.58E-4	7/15/08	8G15001	PNNL-AGG-415
HEIS No.	**B1TP49**		**Lab ID:**	**0804025-61**			
14133-76-7	Technetium-99	2.61E-3	ug/g dry	2.30E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	8.04E-4	ug/g dry	5.64E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP51**		**Lab ID:**	**0804025-69**			
14133-76-7	Technetium-99	1.06E-2	ug/g dry	2.27E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	1.53E-3	ug/g dry	5.55E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP52**		**Lab ID:**	**0804025-72**			
14133-76-7	Technetium-99	1.60E-3	ug/g dry	2.29E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	1.67E-3	ug/g dry	5.60E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP53**		**Lab ID:**	**0804025-75**			
14133-76-7	Technetium-99	2.13E-3	ug/g dry	2.30E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP55**		**Lab ID:**	**0804025-81**			
14133-76-7	Technetium-99	1.98E-4	ug/g dry	2.31E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	5.93E-4	ug/g dry	5.65E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP59**		**Lab ID:**	**0804025-87**			
14133-76-7	Technetium-99	<2.33E-5	ug/g dry	2.33E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.71E-4	ug/g dry	5.71E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP61**		**Lab ID:**	**0804025-91**			
14133-76-7	Technetium-99	5.72E-5	ug/g dry	2.30E-5	9/09/08	8I09003	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	9/09/08	8I09003	PNNL-AGG-415
HEIS No.	**B1TP62**		**Lab ID:**	**0804025-94**			
14133-76-7	Technetium-99	1.12E-3	ug/g dry	2.27E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.57E-4	ug/g dry	5.57E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP64**		**Lab ID:**	**0804025-AA**			
14133-76-7	Technetium-99	1.41E-3	ug/g dry	2.31E-5	9/09/08	8I09003	PNNL-AGG-415
	Uranium 238	5.91E-4	ug/g dry	5.65E-4	9/09/08	8I09003	PNNL-AGG-415
HEIS No.	**B1TP67**		**Lab ID:**	**0804025-AI**			
14133-76-7	Technetium-99	4.08E-5	ug/g dry	2.25E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.51E-4	ug/g dry	5.51E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP69**		**Lab ID:**	**0804025-AP**			
14133-76-7	Technetium-99	5.39E-5	ug/g dry	2.30E-5	9/09/08	8I09003	PNNL-AGG-415
	Uranium 238	5.70E-4	ug/g dry	5.64E-4	9/09/08	8I09003	PNNL-AGG-415
HEIS No.	**B1TP71**		**Lab ID:**	**0804025-AV**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.62E-4	ug/g dry	5.62E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP77**		**Lab ID:**	**0804025-BK**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP78**		**Lab ID:**	**0804025-BP**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	7/15/08	8G15002	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP82**		**Lab ID:**	**0804025-BZ**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.62E-4	ug/g dry	5.62E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP84**		**Lab ID:**	**0804025-CF**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	7.26E-4	ug/g dry	5.62E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TNX1**		**Lab ID:**	**0804025-CI**			
14133-76-7	Technetium-99	<2.32E-5	ug/g dry	2.32E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.68E-4	ug/g dry	5.68E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP86**		**Lab ID:**	**0804025-CO**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP89**		**Lab ID:**	**0804025-CX**			
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.65E-4	ug/g dry	5.65E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP91**		**Lab ID:**	**0804025-DF**			
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.65E-4	ug/g dry	5.65E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP93**		**Lab ID:**	**0804025-DL**			
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.66E-4	ug/g dry	5.66E-4	7/15/08	8G15002	PNNL-AGG-415
HEIS No.	**B1TP94**		**Lab ID:**	**0804025-DM**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	7/15/08	8G15002	PNNL-AGG-415
	Uranium 238	<5.62E-4	ug/g dry	5.62E-4	7/15/08	8G15002	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP24**		**Lab ID:**	**0804025-04**			
13981-78-7	Chromium	<6.75E-3	ug/g dry	6.75E-3	7/10/08	8G10003	PNNL-AGG-415
14191-84-5	Copper	<3.67E-3	ug/g dry	3.67E-3	7/10/08	8G10003	PNNL-AGG-415
7440-38-2	Arsenic	2.18E-2	ug/g dry	6.59E-3	7/10/08	8G10003	PNNL-AGG-415
14687-58-2	Selenium	<1.17E-2	ug/g dry	1.17E-2	7/10/08	8G10003	PNNL-AGG-415
14378-37-1	Silver	<9.75E-4	ug/g dry	9.75E-4	7/10/08	8G10003	PNNL-AGG-415
14336-64-2	Cadmium	<3.11E-4	ug/g dry	3.11E-4	7/10/08	8G10003	PNNL-AGG-415
14265-72-6	Antimony	2.98E-3	ug/g dry	5.69E-4	7/10/08	8G10003	PNNL-AGG-415
13966-28-4	Lead	6.88E-4	ug/g dry	5.90E-4	7/10/08	8G10003	PNNL-AGG-415
HEIS No.	**B1TP28**		**Lab ID:**	**0804025-07**			
13981-78-7	Chromium	<6.38E-3	ug/g dry	6.38E-3	7/10/08	8G10003	PNNL-AGG-415
14191-84-5	Copper	<3.47E-3	ug/g dry	3.47E-3	7/10/08	8G10003	PNNL-AGG-415
7440-38-2	Arsenic	1.26E-1	ug/g dry	6.23E-3	7/10/08	8G10003	PNNL-AGG-415
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	7/10/08	8G10003	PNNL-AGG-415
14378-37-1	Silver	<9.23E-4	ug/g dry	9.23E-4	7/10/08	8G10003	PNNL-AGG-415
14336-64-2	Cadmium	<2.94E-4	ug/g dry	2.94E-4	7/10/08	8G10003	PNNL-AGG-415
14265-72-6	Antimony	<5.39E-4	ug/g dry	5.39E-4	7/10/08	8G10003	PNNL-AGG-415
13966-28-4	Lead	<5.59E-4	ug/g dry	5.59E-4	7/10/08	8G10003	PNNL-AGG-415
HEIS No.	**B1TP29**		**Lab ID:**	**0804025-08**			
13981-78-7	Chromium	<6.39E-3	ug/g dry	6.39E-3	9/17/08	8I11003	PNNL-AGG-415
14191-84-5	Copper	7.22E-3	ug/g dry	3.47E-3	9/17/08	8I11003	PNNL-AGG-415
7440-38-2	Arsenic	4.97E-2	ug/g dry	6.24E-3	9/17/08	8I11003	PNNL-AGG-415
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	9/17/08	8I11003	PNNL-AGG-415
14378-37-1	Silver	<9.23E-4	ug/g dry	9.23E-4	9/17/08	8I11003	PNNL-AGG-415
14336-64-2	Cadmium	7.49E-4	ug/g dry	2.94E-4	9/17/08	8I11003	PNNL-AGG-415
14265-72-6	Antimony	6.03E-4	ug/g dry	5.39E-4	9/17/08	8I11003	PNNL-AGG-415
13966-28-4	Lead	7.80E-4	ug/g dry	5.59E-4	9/17/08	8I11003	PNNL-AGG-415
HEIS No.	**B1TP30**		**Lab ID:**	**0804025-09**			
13981-78-7	Chromium	<6.40E-3	ug/g dry	6.40E-3	9/18/08	8I11003	PNNL-AGG-415
14191-84-5	Copper	6.67E-3	ug/g dry	3.48E-3	9/18/08	8I11003	PNNL-AGG-415
7440-38-2	Arsenic	2.99E-2	ug/g dry	6.25E-3	9/18/08	8I11003	PNNL-AGG-415
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	9/18/08	8I11003	PNNL-AGG-415
14378-37-1	Silver	<9.25E-4	ug/g dry	9.25E-4	9/18/08	8I11003	PNNL-AGG-415
14336-64-2	Cadmium	4.57E-4	ug/g dry	2.95E-4	9/18/08	8I11003	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	9/18/08	8I11003	PNNL-AGG-415
13966-28-4	Lead	8.95E-4	ug/g dry	5.60E-4	9/18/08	8I11003	PNNL-AGG-415
HEIS No.	**B1TNV9**		**Lab ID:**	**0804025-10**			
13981-78-7	Chromium	<6.40E-3	ug/g dry	6.40E-3	9/18/08	8I11003	PNNL-AGG-415
14191-84-5	Copper	2.13E-2	ug/g dry	3.48E-3	9/18/08	8I11003	PNNL-AGG-415
7440-38-2	Arsenic	1.65E-2	ug/g dry	6.25E-3	9/18/08	8I11003	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	9/18/08	8I11003	PNNL-AGG-415
14378-37-1	Silver	<9.25E-4	ug/g dry	9.25E-4	9/18/08	8I11003	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	9/18/08	8I11003	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	9/18/08	8I11003	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	9/18/08	8I11003	PNNL-AGG-415
HEIS No.	**B1TP22**		**Lab ID:**	**0804025-13**			
13981-78-7	Chromium	<6.47E-3	ug/g dry	6.47E-3	7/10/08	8G10003	PNNL-AGG-415
14191-84-5	Copper	<3.52E-3	ug/g dry	3.52E-3	7/10/08	8G10003	PNNL-AGG-415
7440-38-2	Arsenic	1.20E-2	ug/g dry	6.32E-3	7/10/08	8G10003	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP22**		**Lab ID:**	**0804025-13**			
14687-58-2	Selenium	<1.12E-2	ug/g dry	1.12E-2	7/10/08	8G10003	PNNL-AGG-415
14378-37-1	Silver	<9.35E-4	ug/g dry	9.35E-4	7/10/08	8G10003	PNNL-AGG-415
14336-64-2	Cadmium	<2.98E-4	ug/g dry	2.98E-4	7/10/08	8G10003	PNNL-AGG-415
14265-72-6	Antimony	<5.46E-4	ug/g dry	5.46E-4	7/10/08	8G10003	PNNL-AGG-415
13966-28-4	Lead	<5.66E-4	ug/g dry	5.66E-4	7/10/08	8G10003	PNNL-AGG-415
HEIS No.	**B1TP26**		**Lab ID:**	**0804025-16**			
13981-78-7	Chromium	<6.42E-3	ug/g dry	6.42E-3	7/10/08	8G10003	PNNL-AGG-415
14191-84-5	Copper	<3.49E-3	ug/g dry	3.49E-3	7/10/08	8G10003	PNNL-AGG-415
7440-38-2	Arsenic	1.24E-1	ug/g dry	6.27E-3	7/10/08	8G10003	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	7/10/08	8G10003	PNNL-AGG-415
14378-37-1	Silver	<9.28E-4	ug/g dry	9.28E-4	7/10/08	8G10003	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	7/10/08	8G10003	PNNL-AGG-415
14265-72-6	Antimony	<5.42E-4	ug/g dry	5.42E-4	7/10/08	8G10003	PNNL-AGG-415
13966-28-4	Lead	<5.62E-4	ug/g dry	5.62E-4	7/10/08	8G10003	PNNL-AGG-415
HEIS No.	**B1TNW0**		**Lab ID:**	**0804025-17**			
13981-78-7	Chromium	<6.40E-3	ug/g dry	6.40E-3	9/18/08	8I11003	PNNL-AGG-415
14191-84-5	Copper	4.91E-2	ug/g dry	3.48E-3	9/18/08	8I11003	PNNL-AGG-415
7440-38-2	Arsenic	<6.25E-3	ug/g dry	6.25E-3	9/18/08	8I11003	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	9/18/08	8I11003	PNNL-AGG-415
14378-37-1	Silver	<9.25E-4	ug/g dry	9.25E-4	9/18/08	8I11003	PNNL-AGG-415
14336-64-2	Cadmium	3.26E-4	ug/g dry	2.95E-4	9/18/08	8I11003	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	9/18/08	8I11003	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	9/18/08	8I11003	PNNL-AGG-415
HEIS No.	**B1TNW1**		**Lab ID:**	**0804025-18**			
13981-78-7	Chromium	<6.34E-3	ug/g dry	6.34E-3	7/10/08	8G10003	PNNL-AGG-415
14191-84-5	Copper	2.04E-2	ug/g dry	3.45E-3	7/10/08	8G10003	PNNL-AGG-415
7440-38-2	Arsenic	<6.19E-3	ug/g dry	6.19E-3	7/10/08	8G10003	PNNL-AGG-415
14687-58-2	Selenium	<1.09E-2	ug/g dry	1.09E-2	7/10/08	8G10003	PNNL-AGG-415
14378-37-1	Silver	<9.16E-4	ug/g dry	9.16E-4	7/10/08	8G10003	PNNL-AGG-415
14336-64-2	Cadmium	<2.92E-4	ug/g dry	2.92E-4	7/10/08	8G10003	PNNL-AGG-415
14265-72-6	Antimony	<5.35E-4	ug/g dry	5.35E-4	7/10/08	8G10003	PNNL-AGG-415
13966-28-4	Lead	<5.55E-4	ug/g dry	5.55E-4	7/10/08	8G10003	PNNL-AGG-415
HEIS No.	**B1TNW3**		**Lab ID:**	**0804025-20**			
13981-78-7	Chromium	<6.40E-3	ug/g dry	6.40E-3	9/17/08	8I11003	PNNL-AGG-415
14191-84-5	Copper	7.91E-3	ug/g dry	3.48E-3	9/17/08	8I11003	PNNL-AGG-415
7440-38-2	Arsenic	<6.25E-3	ug/g dry	6.25E-3	9/17/08	8I11003	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	9/17/08	8I11003	PNNL-AGG-415
14378-37-1	Silver	<9.25E-4	ug/g dry	9.25E-4	9/17/08	8I11003	PNNL-AGG-415
14336-64-2	Cadmium	6.52E-4	ug/g dry	2.95E-4	9/17/08	8I11003	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	9/17/08	8I11003	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	9/17/08	8I11003	PNNL-AGG-415
HEIS No.	**B1TNW5**		**Lab ID:**	**0804025-22**			
13981-78-7	Chromium	<6.29E-3	ug/g dry	6.29E-3	7/10/08	8G10003	PNNL-AGG-415
14191-84-5	Copper	<3.42E-3	ug/g dry	3.42E-3	7/10/08	8G10003	PNNL-AGG-415
7440-38-2	Arsenic	<6.15E-3	ug/g dry	6.15E-3	7/10/08	8G10003	PNNL-AGG-415
14687-58-2	Selenium	<1.09E-2	ug/g dry	1.09E-2	7/10/08	8G10003	PNNL-AGG-415
14378-37-1	Silver	<9.10E-4	ug/g dry	9.10E-4	7/10/08	8G10003	PNNL-AGG-415
14336-64-2	Cadmium	<2.90E-4	ug/g dry	2.90E-4	7/10/08	8G10003	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TNW5**		**Lab ID:**	**0804025-22**			
14265-72-6	Antimony	<5.31E-4	ug/g dry	5.31E-4	7/10/08	8G10003	PNNL-AGG-415
13966-28-4	Lead	<5.51E-4	ug/g dry	5.51E-4	7/10/08	8G10003	PNNL-AGG-415
HEIS No.	**B1TP35**		**Lab ID:**	**0804025-37**			
13981-78-7	Chromium	<6.91E-3	ug/g dry	6.91E-3	7/10/08	8G10003	PNNL-AGG-415
14191-84-5	Copper	<3.76E-3	ug/g dry	3.76E-3	7/10/08	8G10003	PNNL-AGG-415
7440-38-2	Arsenic	6.75E-3	ug/g dry	6.75E-3	7/10/08	8G10003	PNNL-AGG-415
14687-58-2	Selenium	<1.19E-2	ug/g dry	1.19E-2	7/10/08	8G10003	PNNL-AGG-415
14378-37-1	Silver	<9.99E-4	ug/g dry	9.99E-4	7/10/08	8G10003	PNNL-AGG-415
14336-64-2	Cadmium	<3.18E-4	ug/g dry	3.18E-4	7/10/08	8G10003	PNNL-AGG-415
14265-72-6	Antimony	<5.83E-4	ug/g dry	5.83E-4	7/10/08	8G10003	PNNL-AGG-415
13966-28-4	Lead	<6.05E-4	ug/g dry	6.05E-4	7/10/08	8G10003	PNNL-AGG-415
HEIS No.	**B1TP40**		**Lab ID:**	**0804025-48**			
13981-78-7	Chromium	<6.41E-3	ug/g dry	6.41E-3	7/10/08	8G10003	PNNL-AGG-415
14191-84-5	Copper	<3.48E-3	ug/g dry	3.48E-3	7/10/08	8G10003	PNNL-AGG-415
7440-38-2	Arsenic	8.07E-3	ug/g dry	6.26E-3	7/10/08	8G10003	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	7/10/08	8G10003	PNNL-AGG-415
14378-37-1	Silver	<9.26E-4	ug/g dry	9.26E-4	7/10/08	8G10003	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	7/10/08	8G10003	PNNL-AGG-415
14265-72-6	Antimony	<5.41E-4	ug/g dry	5.41E-4	7/10/08	8G10003	PNNL-AGG-415
13966-28-4	Lead	<5.61E-4	ug/g dry	5.61E-4	7/10/08	8G10003	PNNL-AGG-415
HEIS No.	**B1TP42**		**Lab ID:**	**0804025-50**			
13981-78-7	Chromium	<6.41E-3	ug/g dry	6.41E-3	9/17/08	8I11003	PNNL-AGG-415
14191-84-5	Copper	8.38E-3	ug/g dry	3.48E-3	9/17/08	8I11003	PNNL-AGG-415
7440-38-2	Arsenic	<6.26E-3	ug/g dry	6.26E-3	9/17/08	8I11003	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	9/17/08	8I11003	PNNL-AGG-415
14378-37-1	Silver	<9.26E-4	ug/g dry	9.26E-4	9/17/08	8I11003	PNNL-AGG-415
14336-64-2	Cadmium	7.19E-4	ug/g dry	2.95E-4	9/17/08	8I11003	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	9/17/08	8I11003	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	9/17/08	8I11003	PNNL-AGG-415
HEIS No.	**B1TP43**		**Lab ID:**	**0804025-51**			
13981-78-7	Chromium	<6.41E-3	ug/g dry	6.41E-3	7/10/08	8G10003	PNNL-AGG-415
14119-06-3	Copper	5.75E-3	ug/g dry	4.85E-3	7/10/08	8G10003	PNNL-AGG-415
7440-38-2	Arsenic	6.35E-3	ug/g dry	6.26E-3	7/10/08	8G10003	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	7/10/08	8G10003	PNNL-AGG-415
14378-37-1	Silver	<9.27E-4	ug/g dry	9.27E-4	7/10/08	8G10003	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	7/10/08	8G10003	PNNL-AGG-415
14265-72-6	Antimony	<5.41E-4	ug/g dry	5.41E-4	7/10/08	8G10003	PNNL-AGG-415
13966-28-4	Lead	<5.61E-4	ug/g dry	5.61E-4	7/10/08	8G10003	PNNL-AGG-415
HEIS No.	**B1TP45**		**Lab ID:**	**0804025-53**			
13981-78-7	Chromium	<6.40E-3	ug/g dry	6.40E-3	9/18/08	8I11003	PNNL-AGG-415
14191-84-5	Copper	2.54E-2	ug/g dry	3.48E-3	9/18/08	8I11003	PNNL-AGG-415
7440-38-2	Arsenic	1.51E-2	ug/g dry	6.25E-3	9/18/08	8I11003	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	9/18/08	8I11003	PNNL-AGG-415
14378-37-1	Silver	<9.25E-4	ug/g dry	9.25E-4	9/18/08	8I11003	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	9/18/08	8I11003	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	9/18/08	8I11003	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	9/18/08	8I11003	PNNL-AGG-415
HEIS No.	**B1TP47**		**Lab ID:**	**0804025-57**			

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP47**		**Lab ID:**	**0804025-57**			
13981-78-7	Chromium	<6.34E-3	ug/g dry	6.34E-3	7/10/08	8G10003	PNNL-AGG-415
14191-84-5	Copper	<3.45E-3	ug/g dry	3.45E-3	7/10/08	8G10003	PNNL-AGG-415
7440-38-2	Arsenic	<6.19E-3	ug/g dry	6.19E-3	7/10/08	8G10003	PNNL-AGG-415
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	7/10/08	8G10003	PNNL-AGG-415
14378-37-1	Silver	<9.17E-4	ug/g dry	9.17E-4	7/10/08	8G10003	PNNL-AGG-415
14336-64-2	Cadmium	<2.92E-4	ug/g dry	2.92E-4	7/10/08	8G10003	PNNL-AGG-415
14265-72-6	Antimony	<5.35E-4	ug/g dry	5.35E-4	7/10/08	8G10003	PNNL-AGG-415
13966-28-4	Lead	<5.55E-4	ug/g dry	5.55E-4	7/10/08	8G10003	PNNL-AGG-415
HEIS No.	**B1TP49**		**Lab ID:**	**0804025-61**			
13981-78-7	Chromium	<6.41E-3	ug/g dry	6.41E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.48E-3	ug/g dry	3.48E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.26E-3	ug/g dry	6.26E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.26E-4	ug/g dry	9.26E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.41E-4	ug/g dry	5.41E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.61E-4	ug/g dry	5.61E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP51**		**Lab ID:**	**0804025-69**			
13981-78-7	Chromium	<6.30E-3	ug/g dry	6.30E-3	7/10/08	8G10004	PNNL-AGG-415
14119-06-3	Copper	5.45E-3	ug/g dry	4.77E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.16E-3	ug/g dry	6.16E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	1.24E-2	ug/g dry	1.09E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.11E-4	ug/g dry	9.11E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.91E-4	ug/g dry	2.91E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.32E-4	ug/g dry	5.32E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.52E-4	ug/g dry	5.52E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP52**		**Lab ID:**	**0804025-72**			
13981-78-7	Chromium	<6.36E-3	ug/g dry	6.36E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	5.60E-3	ug/g dry	3.46E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.21E-3	ug/g dry	6.21E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.20E-4	ug/g dry	9.20E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.93E-4	ug/g dry	2.93E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.37E-4	ug/g dry	5.37E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.57E-4	ug/g dry	5.57E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP53**		**Lab ID:**	**0804025-75**			
13981-78-7	Chromium	<6.41E-3	ug/g dry	6.41E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.49E-3	ug/g dry	3.49E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.26E-3	ug/g dry	6.26E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.26E-4	ug/g dry	9.26E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.41E-4	ug/g dry	5.41E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.61E-4	ug/g dry	5.61E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP55**		**Lab ID:**	**0804025-81**			
13981-78-7	Chromium	<6.42E-3	ug/g dry	6.42E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.49E-3	ug/g dry	3.49E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.27E-3	ug/g dry	6.27E-3	7/10/08	8G10004	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP55**		**Lab ID:**	**0804025-81**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.28E-4	ug/g dry	9.28E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.42E-4	ug/g dry	5.42E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.62E-4	ug/g dry	5.62E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP59**		**Lab ID:**	**0804025-87**			
13981-78-7	Chromium	<6.49E-3	ug/g dry	6.49E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.53E-3	ug/g dry	3.53E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.33E-3	ug/g dry	6.33E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.12E-2	ug/g dry	1.12E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.38E-4	ug/g dry	9.38E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.99E-4	ug/g dry	2.99E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.47E-4	ug/g dry	5.47E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.68E-4	ug/g dry	5.68E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP61**		**Lab ID:**	**0804025-91**			
13981-78-7	Chromium	<6.41E-3	ug/g dry	6.41E-3	9/18/08	8I11003	PNNL-AGG-415
14191-84-5	Copper	5.81E-3	ug/g dry	3.49E-3	9/18/08	8I11003	PNNL-AGG-415
7440-38-2	Arsenic	6.76E-3	ug/g dry	6.26E-3	9/18/08	8I11003	PNNL-AGG-415
14687-58-2	Selenium	1.23E-2	ug/g dry	1.11E-2	9/18/08	8I11003	PNNL-AGG-415
14378-37-1	Silver	<9.27E-4	ug/g dry	9.27E-4	9/18/08	8I11003	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	9/18/08	8I11003	PNNL-AGG-415
14265-72-6	Antimony	<5.41E-4	ug/g dry	5.41E-4	9/18/08	8I11003	PNNL-AGG-415
13966-28-4	Lead	<5.61E-4	ug/g dry	5.61E-4	9/18/08	8I11003	PNNL-AGG-415
HEIS No.	**B1TP62**		**Lab ID:**	**0804025-94**			
13981-78-7	Chromium	<6.32E-3	ug/g dry	6.32E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.44E-3	ug/g dry	3.44E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.17E-3	ug/g dry	6.17E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.09E-2	ug/g dry	1.09E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.14E-4	ug/g dry	9.14E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.91E-4	ug/g dry	2.91E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.33E-4	ug/g dry	5.33E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.53E-4	ug/g dry	5.53E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP64**		**Lab ID:**	**0804025-AA**			
13981-78-7	Chromium	<6.42E-3	ug/g dry	6.42E-3	9/18/08	8I11003	PNNL-AGG-415
14191-84-5	Copper	5.19E-3	ug/g dry	3.49E-3	9/18/08	8I11003	PNNL-AGG-415
7440-38-2	Arsenic	<6.27E-3	ug/g dry	6.27E-3	9/18/08	8I11003	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	9/18/08	8I11003	PNNL-AGG-415
14378-37-1	Silver	<9.28E-4	ug/g dry	9.28E-4	9/18/08	8I11003	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	9/18/08	8I11003	PNNL-AGG-415
14265-72-6	Antimony	<5.41E-4	ug/g dry	5.41E-4	9/18/08	8I11003	PNNL-AGG-415
13966-28-4	Lead	<5.62E-4	ug/g dry	5.62E-4	9/18/08	8I11003	PNNL-AGG-415
HEIS No.	**B1TP67**		**Lab ID:**	**0804025-AI**			
13981-78-7	Chromium	<6.26E-3	ug/g dry	6.26E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.40E-3	ug/g dry	3.40E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.11E-3	ug/g dry	6.11E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.08E-2	ug/g dry	1.08E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.05E-4	ug/g dry	9.05E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.88E-4	ug/g dry	2.88E-4	7/10/08	8G10004	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP67**		**Lab ID:**	**0804025-AI**			
14265-72-6	Antimony	<5.28E-4	ug/g dry	5.28E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.48E-4	ug/g dry	5.48E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP69**		**Lab ID:**	**0804025-AP**			
13981-78-7	Chromium	<6.41E-3	ug/g dry	6.41E-3	9/18/08	8I11003	PNNL-AGG-415
14191-84-5	Copper	4.98E-3	ug/g dry	3.49E-3	9/18/08	8I11003	PNNL-AGG-415
7440-38-2	Arsenic	<6.26E-3	ug/g dry	6.26E-3	9/18/08	8I11003	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	9/18/08	8I11003	PNNL-AGG-415
14378-37-1	Silver	<9.26E-4	ug/g dry	9.26E-4	9/18/08	8I11003	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	9/18/08	8I11003	PNNL-AGG-415
14265-72-6	Antimony	6.15E-4	ug/g dry	5.41E-4	9/18/08	8I11003	PNNL-AGG-415
13966-28-4	Lead	<5.61E-4	ug/g dry	5.61E-4	9/18/08	8I11003	PNNL-AGG-415
HEIS No.	**B1TP71**		**Lab ID:**	**0804025-AV**			
13981-78-7	Chromium	<6.38E-3	ug/g dry	6.38E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.47E-3	ug/g dry	3.47E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.23E-3	ug/g dry	6.23E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.22E-4	ug/g dry	9.22E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.94E-4	ug/g dry	2.94E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.38E-4	ug/g dry	5.38E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.58E-4	ug/g dry	5.58E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP77**		**Lab ID:**	**0804025-BK**			
13981-78-7	Chromium	<6.39E-3	ug/g dry	6.39E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.48E-3	ug/g dry	3.48E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.24E-3	ug/g dry	6.24E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.24E-4	ug/g dry	9.24E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.39E-4	ug/g dry	5.39E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.59E-4	ug/g dry	5.59E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP78**		**Lab ID:**	**0804025-BP**			
13981-78-7	Chromium	<6.40E-3	ug/g dry	6.40E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.48E-3	ug/g dry	3.48E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.25E-3	ug/g dry	6.25E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.25E-4	ug/g dry	9.25E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP82**		**Lab ID:**	**0804025-BZ**			
13981-78-7	Chromium	<6.38E-3	ug/g dry	6.38E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.47E-3	ug/g dry	3.47E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.23E-3	ug/g dry	6.23E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	1.26E-2	ug/g dry	1.10E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.23E-4	ug/g dry	9.23E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.94E-4	ug/g dry	2.94E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.39E-4	ug/g dry	5.39E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.58E-4	ug/g dry	5.58E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP84**		**Lab ID:**	**0804025-CF**			

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP84**		**Lab ID:**	**0804025-CF**			
13981-78-7	Chromium	<6.39E-3	ug/g dry	6.39E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.47E-3	ug/g dry	3.47E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.24E-3	ug/g dry	6.24E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	1.41E-2	ug/g dry	1.10E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.23E-4	ug/g dry	9.23E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.94E-4	ug/g dry	2.94E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.39E-4	ug/g dry	5.39E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.59E-4	ug/g dry	5.59E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TNX1**		**Lab ID:**	**0804025-CI**			
13981-78-7	Chromium	<6.45E-3	ug/g dry	6.45E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.51E-3	ug/g dry	3.51E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.30E-3	ug/g dry	6.30E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.32E-4	ug/g dry	9.32E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.97E-4	ug/g dry	2.97E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.44E-4	ug/g dry	5.44E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.64E-4	ug/g dry	5.64E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP86**		**Lab ID:**	**0804025-CO**			
13981-78-7	Chromium	<6.40E-3	ug/g dry	6.40E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.48E-3	ug/g dry	3.48E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.25E-3	ug/g dry	6.25E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.25E-4	ug/g dry	9.25E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.60E-4	ug/g dry	5.60E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP89**		**Lab ID:**	**0804025-CX**			
13981-78-7	Chromium	<6.42E-3	ug/g dry	6.42E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.49E-3	ug/g dry	3.49E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.27E-3	ug/g dry	6.27E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.28E-4	ug/g dry	9.28E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.41E-4	ug/g dry	5.41E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.62E-4	ug/g dry	5.62E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP91**		**Lab ID:**	**0804025-DF**			
13981-78-7	Chromium	<6.42E-3	ug/g dry	6.42E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.49E-3	ug/g dry	3.49E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.27E-3	ug/g dry	6.27E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.28E-4	ug/g dry	9.28E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	1.50E-3	ug/g dry	5.42E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.62E-4	ug/g dry	5.62E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP93**		**Lab ID:**	**0804025-DL**			
13981-78-7	Chromium	<6.43E-3	ug/g dry	6.43E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.50E-3	ug/g dry	3.50E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.28E-3	ug/g dry	6.28E-3	7/10/08	8G10004	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP93**		**Lab ID:**	**0804025-DL**			
14687-58-2	Selenium	<1.11E-2	ug/g dry	1.11E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.30E-4	ug/g dry	9.30E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.97E-4	ug/g dry	2.97E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.43E-4	ug/g dry	5.43E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.63E-4	ug/g dry	5.63E-4	7/10/08	8G10004	PNNL-AGG-415
HEIS No.	**B1TP94**		**Lab ID:**	**0804025-DM**			
13981-78-7	Chromium	<6.38E-3	ug/g dry	6.38E-3	7/10/08	8G10004	PNNL-AGG-415
14191-84-5	Copper	<3.47E-3	ug/g dry	3.47E-3	7/10/08	8G10004	PNNL-AGG-415
7440-38-2	Arsenic	<6.23E-3	ug/g dry	6.23E-3	7/10/08	8G10004	PNNL-AGG-415
14687-58-2	Selenium	<1.10E-2	ug/g dry	1.10E-2	7/10/08	8G10004	PNNL-AGG-415
14378-37-1	Silver	<9.22E-4	ug/g dry	9.22E-4	7/10/08	8G10004	PNNL-AGG-415
14336-64-2	Cadmium	<2.94E-4	ug/g dry	2.94E-4	7/10/08	8G10004	PNNL-AGG-415
14265-72-6	Antimony	<5.38E-4	ug/g dry	5.38E-4	7/10/08	8G10004	PNNL-AGG-415
13966-28-4	Lead	<5.58E-4	ug/g dry	5.58E-4	7/10/08	8G10004	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP24**		**Lab ID:**	**0804025-04**			
14092-98-9	Chromium	8.02E0	ug/g dry	1.90E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	7.24E0	ug/g dry	5.98E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	1.22E0	ug/g dry	4.17E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.14E0	ug/g dry	1.14E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.92E-2	ug/g dry	6.92E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	4.91E-2	ug/g dry	4.90E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	<7.92E-2	ug/g dry	7.92E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	2.40E0	ug/g dry	3.68E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TP28**		**Lab ID:**	**0804025-07**			
14092-98-9	Chromium	5.95E0	ug/g dry	1.85E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	8.31E0	ug/g dry	5.81E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	9.97E-1	ug/g dry	4.06E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.11E0	ug/g dry	1.11E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.72E-2	ug/g dry	6.72E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	6.18E-2	ug/g dry	4.76E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	<7.70E-2	ug/g dry	7.70E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	2.58E0	ug/g dry	3.58E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TP29**		**Lab ID:**	**0804025-08**			
14092-98-9	Chromium	5.52E0	ug/g dry	1.83E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	8.76E0	ug/g dry	5.77E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	9.34E-1	ug/g dry	4.02E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.10E0	ug/g dry	1.10E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.67E-2	ug/g dry	6.67E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	5.79E-2	ug/g dry	4.73E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	<7.64E-2	ug/g dry	7.64E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	2.05E0	ug/g dry	3.55E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TP30**		**Lab ID:**	**0804025-09**			
14092-98-9	Chromium	7.90E0	ug/g dry	1.89E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	9.16E0	ug/g dry	5.95E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	1.45E0	ug/g dry	4.15E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.13E0	ug/g dry	1.13E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.88E-2	ug/g dry	6.88E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	5.22E-2	ug/g dry	4.88E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	<7.88E-2	ug/g dry	7.88E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	2.96E0	ug/g dry	3.67E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TNV9**		**Lab ID:**	**0804025-10**			
14092-98-9	Chromium	7.57E0	ug/g dry	1.83E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	7.86E0	ug/g dry	5.77E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	1.86E0	ug/g dry	4.03E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.10E0	ug/g dry	1.10E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.68E-2	ug/g dry	6.68E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	4.80E-2	ug/g dry	4.73E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	1.02E-1	ug/g dry	7.65E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	2.85E0	ug/g dry	3.56E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TP22**		**Lab ID:**	**0804025-13**			
14092-98-9	Chromium	3.34E0	ug/g dry	1.85E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	1.10E1	ug/g dry	5.82E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	8.83E-1	ug/g dry	4.06E-1	9/24/08	8I18001	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP22**		**Lab ID:**	**0804025-13**			
14687-58-2	Selenium	<1.11E0	ug/g dry	1.11E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.74E-2	ug/g dry	6.74E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	4.98E-2	ug/g dry	4.77E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	<7.72E-2	ug/g dry	7.72E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	1.77E0	ug/g dry	3.59E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TP26**		**Lab ID:**	**0804025-16**			
14092-98-9	Chromium	6.99E0	ug/g dry	1.85E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	9.39E0	ug/g dry	5.83E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	1.47E0	ug/g dry	4.07E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.11E0	ug/g dry	1.11E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.74E-2	ug/g dry	6.74E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	<4.78E-2	ug/g dry	4.78E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	<7.73E-2	ug/g dry	7.73E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	2.27E0	ug/g dry	3.59E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TNW0**		**Lab ID:**	**0804025-17**			
14092-98-9	Chromium	6.22E0	ug/g dry	1.86E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	7.53E0	ug/g dry	5.87E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	1.10E0	ug/g dry	4.10E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.12E0	ug/g dry	1.12E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.79E-2	ug/g dry	6.79E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	4.92E-2	ug/g dry	4.81E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	<7.78E-2	ug/g dry	7.78E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	2.20E0	ug/g dry	3.62E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TNW1**		**Lab ID:**	**0804025-18**			
14092-98-9	Chromium	8.23E0	ug/g dry	1.85E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	7.79E0	ug/g dry	5.82E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	2.32E0	ug/g dry	4.06E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.11E0	ug/g dry	1.11E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.73E-2	ug/g dry	6.73E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	6.27E-2	ug/g dry	4.77E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	<7.72E-2	ug/g dry	7.72E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	3.07E0	ug/g dry	3.59E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TNW3**		**Lab ID:**	**0804025-20**			
14092-98-9	Chromium	7.29E0	ug/g dry	1.85E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	8.26E0	ug/g dry	5.83E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	1.61E0	ug/g dry	4.07E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.11E0	ug/g dry	1.11E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.75E-2	ug/g dry	6.75E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	4.89E-2	ug/g dry	4.78E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	<7.73E-2	ug/g dry	7.73E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	2.39E0	ug/g dry	3.59E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TNW5**		**Lab ID:**	**0804025-22**			
14092-98-9	Chromium	9.20E0	ug/g dry	1.87E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	7.12E0	ug/g dry	5.88E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	2.65E0	ug/g dry	4.10E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.12E0	ug/g dry	1.12E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.80E-2	ug/g dry	6.80E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	6.51E-2	ug/g dry	4.82E-2	9/24/08	8I18001	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TNW5**		**Lab ID:**	**0804025-22**			
14265-72-6	Antimony	8.87E-2	ug/g dry	7.79E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	3.09E0	ug/g dry	3.62E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TP35**		**Lab ID:**	**0804025-37**			
14092-98-9	Chromium	1.09E1	ug/g dry	1.86E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	7.47E0	ug/g dry	5.85E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	2.17E0	ug/g dry	4.08E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.12E0	ug/g dry	1.12E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.77E-2	ug/g dry	6.77E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	5.11E-2	ug/g dry	4.79E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	<7.75E-2	ug/g dry	7.75E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	2.59E0	ug/g dry	3.60E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TP40**		**Lab ID:**	**0804025-48**			
14092-98-9	Chromium	1.04E1	ug/g dry	1.87E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	7.27E0	ug/g dry	5.89E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	2.45E0	ug/g dry	4.11E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.12E0	ug/g dry	1.12E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.81E-2	ug/g dry	6.81E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	5.61E-2	ug/g dry	4.83E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	4.89E-1	ug/g dry	7.80E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	2.58E0	ug/g dry	3.63E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TP42**		**Lab ID:**	**0804025-50**			
14092-98-9	Chromium	9.86E0	ug/g dry	1.81E-1	9/24/08	8I18001	PNNL-AGG-415
14119-06-3	Copper	6.93E0	ug/g dry	5.70E-1	9/24/08	8I18001	PNNL-AGG-415
7440-38-2	Arsenic	2.36E0	ug/g dry	3.98E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.09E0	ug/g dry	1.09E0	9/24/08	8I18001	PNNL-AGG-415
14378-37-1	Silver	<6.59E-2	ug/g dry	6.59E-2	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	5.42E-2	ug/g dry	4.67E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	8.05E-2	ug/g dry	7.55E-2	9/24/08	8I18001	PNNL-AGG-415
13966-28-4	Lead	2.44E0	ug/g dry	3.51E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TP43**		**Lab ID:**	**0804025-51**			
14119-06-3	Copper	8.98E0	ug/g dry	6.37E-1	9/24/08	8I18001	PNNL-AGG-415
14687-58-2	Selenium	<1.22E0	ug/g dry	1.22E0	9/24/08	8I18001	PNNL-AGG-415
14336-64-2	Cadmium	6.60E-2	ug/g dry	5.23E-2	9/24/08	8I18001	PNNL-AGG-415
14265-72-6	Antimony	1.14E-1	ug/g dry	8.45E-2	9/24/08	8I18001	PNNL-AGG-415
HEIS No.	**B1TP45**		**Lab ID:**	**0804025-53**			
14092-98-9	Chromium	6.90E0	ug/g dry	1.85E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	7.68E0	ug/g dry	5.82E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	1.14E0	ug/g dry	4.06E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.11E0	ug/g dry	1.11E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<6.74E-2	ug/g dry	6.74E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	<4.77E-2	ug/g dry	4.77E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<7.72E-2	ug/g dry	7.72E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	2.13E0	ug/g dry	3.59E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP47**		**Lab ID:**	**0804025-57**			
14092-98-9	Chromium	9.39E0	ug/g dry	1.83E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	7.74E0	ug/g dry	5.77E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	1.77E0	ug/g dry	4.03E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.10E0	ug/g dry	1.10E0	9/24/08	8I18002	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP47**		**Lab ID:**	**0804025-57**			
14378-37-1	Silver	<6.68E-2	ug/g dry	6.68E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	5.01E-2	ug/g dry	4.73E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<7.65E-2	ug/g dry	7.65E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	2.24E0	ug/g dry	3.56E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP49**		**Lab ID:**	**0804025-61**			
14092-98-9	Chromium	8.96E0	ug/g dry	1.82E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	8.09E0	ug/g dry	5.74E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	1.91E0	ug/g dry	4.01E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.10E0	ug/g dry	1.10E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<6.64E-2	ug/g dry	6.64E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	4.72E-2	ug/g dry	4.71E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<7.61E-2	ug/g dry	7.61E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	2.33E0	ug/g dry	3.54E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP51**		**Lab ID:**	**0804025-69**			
14119-06-3	Copper	8.69E0	ug/g dry	6.02E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.15E0	ug/g dry	1.15E0	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	6.44E-2	ug/g dry	4.94E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	1.07E-1	ug/g dry	7.99E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP52**		**Lab ID:**	**0804025-72**			
14092-98-9	Chromium	8.78E0	ug/g dry	1.85E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	8.40E0	ug/g dry	5.83E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	1.60E0	ug/g dry	4.07E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.11E0	ug/g dry	1.11E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<6.75E-2	ug/g dry	6.75E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	5.44E-2	ug/g dry	4.78E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	8.82E-2	ug/g dry	7.73E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	2.11E0	ug/g dry	3.59E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP53**		**Lab ID:**	**0804025-75**			
14092-98-9	Chromium	9.62E0	ug/g dry	1.83E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	7.98E0	ug/g dry	5.76E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	1.66E0	ug/g dry	4.02E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.10E0	ug/g dry	1.10E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<6.67E-2	ug/g dry	6.67E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	5.37E-2	ug/g dry	4.72E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<7.64E-2	ug/g dry	7.64E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	2.16E0	ug/g dry	3.55E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP55**		**Lab ID:**	**0804025-81**			
14092-98-9	Chromium	8.91E0	ug/g dry	1.86E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	8.13E0	ug/g dry	5.86E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	1.47E0	ug/g dry	4.09E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.12E0	ug/g dry	1.12E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<6.77E-2	ug/g dry	6.77E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	5.32E-2	ug/g dry	4.80E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<7.76E-2	ug/g dry	7.76E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	2.26E0	ug/g dry	3.61E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP59**		**Lab ID:**	**0804025-87**			
14092-98-9	Chromium	1.09E1	ug/g dry	1.82E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	8.36E0	ug/g dry	5.75E-1	9/24/08	8I18002	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP59**		**Lab ID:**	**0804025-87**			
7440-38-2	Arsenic	1.64E0	ug/g dry	4.01E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.10E0	ug/g dry	1.10E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<6.65E-2	ug/g dry	6.65E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	4.93E-2	ug/g dry	4.71E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<7.62E-2	ug/g dry	7.62E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	2.01E0	ug/g dry	3.54E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP61**		**Lab ID:**	**0804025-91**			
14092-98-9	Chromium	1.07E1	ug/g dry	1.84E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	7.17E0	ug/g dry	5.78E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	1.77E0	ug/g dry	4.03E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.10E0	ug/g dry	1.10E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<6.69E-2	ug/g dry	6.69E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	5.56E-2	ug/g dry	4.74E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<7.67E-2	ug/g dry	7.67E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	2.10E0	ug/g dry	3.56E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP62**		**Lab ID:**	**0804025-94**			
14092-98-9	Chromium	9.38E0	ug/g dry	1.85E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	9.29E0	ug/g dry	5.83E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	1.19E0	ug/g dry	4.07E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.11E0	ug/g dry	1.11E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<6.75E-2	ug/g dry	6.75E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	5.42E-2	ug/g dry	4.78E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<7.73E-2	ug/g dry	7.73E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	2.16E0	ug/g dry	3.59E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP64**		**Lab ID:**	**0804025-AA**			
14092-98-9	Chromium	7.58E0	ug/g dry	1.87E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	8.69E0	ug/g dry	5.90E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	1.25E0	ug/g dry	4.11E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.12E0	ug/g dry	1.12E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<6.82E-2	ug/g dry	6.82E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	5.22E-2	ug/g dry	4.83E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<7.82E-2	ug/g dry	7.82E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	2.18E0	ug/g dry	3.63E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP67**		**Lab ID:**	**0804025-AI**			
14092-98-9	Chromium	1.00E1	ug/g dry	1.86E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	8.19E0	ug/g dry	5.85E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	1.25E0	ug/g dry	4.08E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.12E0	ug/g dry	1.12E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<6.77E-2	ug/g dry	6.77E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	5.16E-2	ug/g dry	4.80E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<7.76E-2	ug/g dry	7.76E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	2.34E0	ug/g dry	3.61E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP69**		**Lab ID:**	**0804025-AP**			
14092-98-9	Chromium	1.19E1	ug/g dry	1.87E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	8.67E0	ug/g dry	5.89E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	1.16E0	ug/g dry	4.11E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.12E0	ug/g dry	1.12E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<6.81E-2	ug/g dry	6.81E-2	9/24/08	8I18002	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1TP69**		**Lab ID:**	**0804025-AP**			
14336-64-2	Cadmium	5.34E-2	ug/g dry	4.83E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<7.80E-2	ug/g dry	7.80E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	2.01E0	ug/g dry	3.63E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP82**		**Lab ID:**	**0804025-BZ**			
14092-98-9	Chromium	1.07E1	ug/g dry	1.87E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	8.05E0	ug/g dry	5.88E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	1.46E0	ug/g dry	4.10E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.12E0	ug/g dry	1.12E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<6.80E-2	ug/g dry	6.80E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	5.86E-2	ug/g dry	4.82E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<7.79E-2	ug/g dry	7.79E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	2.41E0	ug/g dry	3.62E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP93**		**Lab ID:**	**0804025-DL**			
14092-98-9	Chromium	7.92E0	ug/g dry	1.96E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	8.95E0	ug/g dry	6.17E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	<4.30E-1	ug/g dry	4.30E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.18E0	ug/g dry	1.18E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<7.14E-2	ug/g dry	7.14E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	6.21E-2	ug/g dry	5.06E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<8.18E-2	ug/g dry	8.18E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	1.35E0	ug/g dry	3.80E-2	9/24/08	8I18002	PNNL-AGG-415
HEIS No.	**B1TP94**		**Lab ID:**	**0804025-DM**			
14092-98-9	Chromium	6.95E0	ug/g dry	1.90E-1	9/24/08	8I18002	PNNL-AGG-415
14119-06-3	Copper	9.55E0	ug/g dry	6.00E-1	9/24/08	8I18002	PNNL-AGG-415
7440-38-2	Arsenic	<4.18E-1	ug/g dry	4.18E-1	9/24/08	8I18002	PNNL-AGG-415
14687-58-2	Selenium	<1.14E0	ug/g dry	1.14E0	9/24/08	8I18002	PNNL-AGG-415
14378-37-1	Silver	<6.94E-2	ug/g dry	6.94E-2	9/24/08	8I18002	PNNL-AGG-415
14336-64-2	Cadmium	5.18E-2	ug/g dry	4.92E-2	9/24/08	8I18002	PNNL-AGG-415
14265-72-6	Antimony	<7.95E-2	ug/g dry	7.95E-2	9/24/08	8I18002	PNNL-AGG-415
13966-28-4	Lead	1.86E0	ug/g dry	3.70E-2	9/24/08	8I18002	PNNL-AGG-415

Carbon Analysis/Soil

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804025-04	B1TP24	<2.00E2	2.00E2	10/29/08	[CALC]
0804025-07	B1TP28	<2.00E2	2.00E2	10/29/08	[CALC]
0804025-08	B1TP29	2.93E2	2.00E2	10/29/08	[CALC]
0804025-09	B1TP30	<2.00E2	2.00E2	10/29/08	[CALC]
0804025-10	B1TNV9	<2.00E2	2.00E2	10/29/08	[CALC]
0804025-13	B1TP22	<2.00E2	2.00E2	10/29/08	[CALC]
0804025-16	B1TP26	<2.00E2	2.00E2	10/29/08	[CALC]
0804025-17	B1TNW0	<2.00E2	2.00E2	10/29/08	[CALC]
0804025-18	B1TNW1	<2.00E2	2.00E2	10/29/08	[CALC]
0804025-20	B1TNW3	<2.00E2	2.00E2	10/29/08	[CALC]
0804025-22	B1TNW5	2.17E2	2.00E2	10/29/08	[CALC]
0804025-37	B1TP35	<2.00E2	2.00E2	10/29/08	[CALC]
0804025-48	B1TP40	<2.00E2	2.00E2	10/30/08	[CALC]
0804025-50	B1TP42	<2.00E2	2.00E2	10/30/08	[CALC]
0804025-51	B1TP43	<2.00E2	2.00E2	10/30/08	[CALC]
0804025-53	B1TP45	<2.00E2	2.00E2	10/30/08	[CALC]
0804025-57	B1TP47	<2.00E2	2.00E2	10/30/08	[CALC]
0804025-61	B1TP49	<2.00E2	2.00E2	10/30/08	[CALC]
0804025-69	B1TP51	<2.00E2	2.00E2	10/30/08	[CALC]
0804025-72	B1TP52	2.26E2	2.00E2	10/30/08	[CALC]
0804025-75	B1TP53	2.13E2	2.00E2	10/30/08	[CALC]
0804025-81	B1TP55	2.16E2	2.00E2	10/30/08	[CALC]
0804025-87	B1TP59	<2.00E2	2.00E2	10/30/08	[CALC]
0804025-91	B1TP61	<2.00E2	2.00E2	10/30/08	[CALC]
0804025-94	B1TP62	<2.00E2	2.00E2	10/30/08	[CALC]
0804025-AA	B1TP64	<2.00E2	2.00E2	10/30/08	[CALC]
0804025-AI	B1TP67	<2.00E2	2.00E2	10/31/08	[CALC]
0804025-AP	B1TP69	<2.00E2	2.00E2	10/31/08	[CALC]
0804025-BZ	B1TP82	<2.00E2	2.00E2	10/31/08	[CALC]
0804025-DL	B1TP93	4.85E2	2.00E2	10/31/08	[CALC]
0804025-DM	B1TP94	4.82E2	2.00E2	10/31/08	[CALC]

Carbon Analysis/Soil

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804025-04	B1TP24	1.02E3	2.00E2	10/20/08	8J20001
0804025-07	B1TP28	2.27E3	2.00E2	10/20/08	8J20001
0804025-08	B1TP29	1.55E3	2.00E2	10/20/08	8J20001
0804025-09	B1TP30	1.83E3	2.00E2	10/20/08	8J20001
0804025-10	B1TNV9	2.45E3	2.00E2	10/20/08	8J20001
0804025-13	B1TP22	7.00E2	2.00E2	10/20/08	8J20001
0804025-16	B1TP26	1.38E3	2.00E2	10/20/08	8J20001
0804025-17	B1TNW0	1.56E3	2.00E2	10/20/08	8J20001
0804025-18	B1TNW1	2.24E3	2.00E2	10/20/08	8J20001
0804025-20	B1TNW3	2.05E3	2.00E2	10/20/08	8J20001
0804025-22	B1TNW5	2.23E3	2.00E2	10/20/08	8J20001
0804025-37	B1TP35	2.19E3	2.00E2	10/20/08	8J20001
0804025-48	B1TP40	2.18E3	2.00E2	10/21/08	8J20001
0804025-50	B1TP42	2.20E3	2.00E2	10/21/08	8J20001
0804025-51	B1TP43	2.28E3	2.00E2	10/21/08	8J20001
0804025-53	B1TP45	2.05E3	2.00E2	10/21/08	8J20001
0804025-57	B1TP47	2.04E3	2.00E2	10/21/08	8J20001
0804025-61	B1TP49	1.78E3	2.00E2	10/21/08	8J20001
0804025-69	B1TP51	2.12E3	2.00E2	10/21/08	8J20001
0804025-72	B1TP52	2.03E3	2.00E2	10/21/08	8J20001
0804025-75	B1TP53	1.74E3	2.00E2	10/21/08	8J20001
0804025-81	B1TP55	1.66E3	2.00E2	10/21/08	8J20001
0804025-87	B1TP59	1.89E3	2.00E2	10/21/08	8J20001
0804025-91	B1TP61	1.63E3	2.00E2	10/21/08	8J20001
0804025-94	B1TP62	1.66E3	2.00E2	10/21/08	8J20001
0804025-AA	B1TP64	1.66E3	2.00E2	10/21/08	8J20001
0804025-AI	B1TP67	1.62E3	2.00E2	10/21/08	8J20001
0804025-AP	B1TP69	1.49E3	2.00E2	10/21/08	8J20001
0804025-BZ	B1TP82	1.58E3	2.00E2	10/21/08	8J20001
0804025-DL	B1TP93	4.85E2	2.00E2	10/22/08	8J20001
0804025-DM	B1TP94	4.82E2	2.00E2	10/22/08	8J20001

Carbon Analysis/Soil

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0804025-04	B1TP24	9.15E2	2.00E2	10/29/08	8J29001
0804025-07	B1TP28	2.41E3	2.00E2	10/29/08	8J29001
0804025-08	B1TP29	1.26E3	2.00E2	10/29/08	8J29001
0804025-09	B1TP30	1.74E3	2.00E2	10/29/08	8J29001
0804025-10	B1TNV9	2.58E3	2.00E2	10/29/08	8J29001
0804025-13	B1TP22	6.31E2	2.00E2	10/29/08	8J29001
0804025-16	B1TP26	1.34E3	2.00E2	10/29/08	8J29001
0804025-17	B1TNW0	1.43E3	2.00E2	10/29/08	8J29001
0804025-18	B1TNW1	2.22E3	2.00E2	10/29/08	8J29001
0804025-20	B1TNW3	1.99E3	2.00E2	10/29/08	8J29001
0804025-22	B1TNW5	2.01E3	2.00E2	10/29/08	8J29001
0804025-37	B1TP35	2.33E3	2.00E2	10/29/08	8J29001
0804025-48	B1TP40	2.06E3	2.00E2	10/30/08	8J29001
0804025-50	B1TP42	2.24E3	2.00E2	10/30/08	8J29001
0804025-51	B1TP43	2.13E3	2.00E2	10/30/08	8J29001
0804025-53	B1TP45	2.14E3	2.00E2	10/30/08	8J29001
0804025-57	B1TP47	2.07E3	2.00E2	10/30/08	8J29001
0804025-61	B1TP49	1.78E3	2.00E2	10/30/08	8J29001
0804025-69	B1TP51	1.93E3	2.00E2	10/30/08	8J29001
0804025-72	B1TP52	1.81E3	2.00E2	10/30/08	8J29001
0804025-75	B1TP53	1.53E3	2.00E2	10/30/08	8J29001
0804025-81	B1TP55	1.44E3	2.00E2	10/30/08	8J29001
0804025-87	B1TP59	1.92E3	2.00E2	10/30/08	8J29001
0804025-91	B1TP61	1.55E3	2.00E2	10/30/08	8J29001
0804025-94	B1TP62	1.60E3	2.00E2	10/30/08	8J29001
0804025-AA	B1TP64	1.66E3	2.00E2	10/30/08	8J29001
0804025-AI	B1TP67	1.43E3	2.00E2	10/31/08	8J29001
0804025-AP	B1TP69	1.32E3	2.00E2	10/31/08	8J29001
0804025-BZ	B1TP82	1.50E3	2.00E2	10/31/08	8J29001
0804025-DL	B1TP93	<2.00E2	2.00E2	10/31/08	8J29001
0804025-DM	B1TP94	<2.00E2	2.00E2	10/31/08	8J29001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TP23**		**Lab ID:**	**0804025-01**				
10198-40-0	Cobalt-60	<1.42E-1	pCi/g dry	1.42E-1		10/27/08	8J27002	AGG-RRL-001
10045-97-3	Cesium-137	2.09E3	pCi/g dry	1.84E0	2.72E1	10/27/08	8J27002	AGG-RRL-001
14683-23-9	Europium-152	<7.07E-1	pCi/g dry	7.07E-1		10/27/08	8J27002	AGG-RRL-001
15585-10-1	Europium-154	<6.42E-1	pCi/g dry	6.42E-1		10/27/08	8J27002	AGG-RRL-001
14391-16-3	Europium-155	<6.27E0	pCi/g dry	6.27E0		10/27/08	8J27002	AGG-RRL-001
HEIS No.	**B1TP24**		**Lab ID:**	**0804025-04**				
10198-40-0	Cobalt-60	<2.29E-1	pCi/g dry	2.29E-1		7/23/08	8G23007	AGG-RRL-001
10045-97-3	Cesium-137	7.82E2	pCi/g dry	2.54E0	1.07E1	7/23/08	8G23007	AGG-RRL-001
14683-23-9	Europium-152	<8.65E-1	pCi/g dry	8.65E-1		7/23/08	8G23007	AGG-RRL-001
15585-10-1	Europium-154	<7.26E-1	pCi/g dry	7.26E-1		7/23/08	8G23007	AGG-RRL-001
14391-16-3	Europium-155	<5.73E0	pCi/g dry	5.73E0		7/23/08	8G23007	AGG-RRL-001
HEIS No.	**B1TP28**		**Lab ID:**	**0804025-07**				
10198-40-0	Cobalt-60	<1.55E-1	pCi/g dry	1.55E-1		8/28/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<1.38E-1	pCi/g dry	1.38E-1	3.92E-2	8/28/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<6.27E-1	pCi/g dry	6.27E-1		8/28/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<4.02E-1	pCi/g dry	4.02E-1		8/28/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<6.20E-1	pCi/g dry	6.20E-1		8/28/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP29**		**Lab ID:**	**0804025-08**				
10198-40-0	Cobalt-60	<1.87E-1	pCi/g dry	1.87E-1		8/28/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.68E-1	pCi/g dry	2.68E-1		8/28/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<8.57E-1	pCi/g dry	8.57E-1		8/28/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<4.90E-1	pCi/g dry	4.90E-1		8/28/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<8.16E-1	pCi/g dry	8.16E-1		8/28/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP30**		**Lab ID:**	**0804025-09**				
10198-40-0	Cobalt-60	<1.90E-1	pCi/g dry	1.90E-1		8/29/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.16E-1	pCi/g dry	2.16E-1		8/29/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<7.29E-1	pCi/g dry	7.29E-1		8/29/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<4.59E-1	pCi/g dry	4.59E-1		8/29/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<7.35E-1	pCi/g dry	7.35E-1		8/29/08	8H28010	AGG-RRL-001
HEIS No.	**B1TNV9**		**Lab ID:**	**0804025-10**				
10198-40-0	Cobalt-60	<2.30E-1	pCi/g dry	2.30E-1		8/29/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.66E-1	pCi/g dry	2.66E-1		8/29/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<1.00E0	pCi/g dry	1.00E0		8/29/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<5.84E-1	pCi/g dry	5.84E-1		8/29/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<9.81E-1	pCi/g dry	9.81E-1		8/29/08	8H28010	AGG-RRL-001
HEIS No.	**B1TNV6-2**		**Lab ID:**	**0804025-11**				
10198-40-0	Cobalt-60	<7.65E-1	pCi/g dry	7.65E-1		10/27/08	8J27002	AGG-RRL-001
10045-97-3	Cesium-137	5.88E3	pCi/g dry	8.62E0	8.09E1	10/27/08	8J27002	AGG-RRL-001
14683-23-9	Europium-152	<1.25E0	pCi/g dry	1.25E0		10/27/08	8J27002	AGG-RRL-001
15585-10-1	Europium-154	<2.32E0	pCi/g dry	2.32E0		10/27/08	8J27002	AGG-RRL-001
14391-16-3	Europium-155	<1.59E1	pCi/g dry	1.59E1		10/27/08	8J27002	AGG-RRL-001
HEIS No.	**B1TNV6-3**		**Lab ID:**	**0804025-12**				
10198-40-0	Cobalt-60	<5.43E-1	pCi/g dry	5.43E-1		10/28/08	8J27002	AGG-RRL-001
10045-97-3	Cesium-137	4.08E3	pCi/g dry	6.30E0	5.63E1	10/28/08	8J27002	AGG-RRL-001
14683-23-9	Europium-152	<9.71E-1	pCi/g dry	9.71E-1		10/28/08	8J27002	AGG-RRL-001
15585-10-1	Europium-154	<1.66E0	pCi/g dry	1.66E0		10/28/08	8J27002	AGG-RRL-001
14391-16-3	Europium-155	<1.29E1	pCi/g dry	1.29E1		10/28/08	8J27002	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TP22**		**Lab ID:**	**0804025-13**				
10198-40-0	Cobalt-60	<1.58E-1	pCi/g dry	1.58E-1		7/23/08	8G23007	AGG-RRL-001
10045-97-3	Cesium-137	2.01E1	pCi/g dry	2.33E-1	3.26E-1	7/23/08	8G23007	AGG-RRL-001
14683-23-9	Europium-152	<7.18E-1	pCi/g dry	7.18E-1		7/23/08	8G23007	AGG-RRL-001
15585-10-1	Europium-154	<4.78E-1	pCi/g dry	4.78E-1		7/23/08	8G23007	AGG-RRL-001
14391-16-3	Europium-155	<8.61E-1	pCi/g dry	8.61E-1		7/23/08	8G23007	AGG-RRL-001
HEIS No.	**B1TNV7-2**		**Lab ID:**	**0804025-14**				
10198-40-0	Cobalt-60	<1.80E-1	pCi/g dry	1.80E-1		10/28/08	8J27002	AGG-RRL-001
10045-97-3	Cesium-137	3.48E1	pCi/g dry	3.33E-1	5.26E-1	10/28/08	8J27002	AGG-RRL-001
14683-23-9	Europium-152	<9.29E-1	pCi/g dry	9.29E-1		10/28/08	8J27002	AGG-RRL-001
15585-10-1	Europium-154	<5.84E-1	pCi/g dry	5.84E-1		10/28/08	8J27002	AGG-RRL-001
14391-16-3	Europium-155	<1.13E0	pCi/g dry	1.13E0		10/28/08	8J27002	AGG-RRL-001
HEIS No.	**B1TNV7-3**		**Lab ID:**	**0804025-15**				
10198-40-0	Cobalt-60	<2.68E-1	pCi/g dry	2.68E-1		10/28/08	8J27002	AGG-RRL-001
10045-97-3	Cesium-137	1.26E3	pCi/g dry	1.75E0	1.56E1	10/28/08	8J27002	AGG-RRL-001
14683-23-9	Europium-152	<1.27E0	pCi/g dry	1.27E0		10/28/08	8J27002	AGG-RRL-001
15585-10-1	Europium-154	<9.65E-1	pCi/g dry	9.65E-1		10/28/08	8J27002	AGG-RRL-001
14391-16-3	Europium-155	<6.02E0	pCi/g dry	6.02E0		10/28/08	8J27002	AGG-RRL-001
HEIS No.	**B1TP26**		**Lab ID:**	**0804025-16**				
10198-40-0	Cobalt-60	<2.13E-1	pCi/g dry	2.13E-1		7/23/08	8G23007	AGG-RRL-001
10045-97-3	Cesium-137	<2.19E-1	pCi/g dry	2.19E-1	5.83E-2	7/23/08	8G23007	AGG-RRL-001
14683-23-9	Europium-152	<7.86E-1	pCi/g dry	7.86E-1		7/23/08	8G23007	AGG-RRL-001
15585-10-1	Europium-154	<5.11E-1	pCi/g dry	5.11E-1		7/23/08	8G23007	AGG-RRL-001
14391-16-3	Europium-155	<8.59E-1	pCi/g dry	8.59E-1		7/23/08	8G23007	AGG-RRL-001
HEIS No.	**B1TNW0**		**Lab ID:**	**0804025-17**				
10198-40-0	Cobalt-60	<1.49E-1	pCi/g dry	1.49E-1	6.50E-2	8/29/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.05E-1	pCi/g dry	2.05E-1		8/29/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<6.80E-1	pCi/g dry	6.80E-1		8/29/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<4.38E-1	pCi/g dry	4.38E-1		8/29/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<6.82E-1	pCi/g dry	6.82E-1		8/29/08	8H28010	AGG-RRL-001
HEIS No.	**B1TNW1**		**Lab ID:**	**0804025-18**				
10198-40-0	Cobalt-60	<2.03E-1	pCi/g dry	2.03E-1	1.02E-1	8/29/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.89E-1	pCi/g dry	2.89E-1		8/29/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<1.08E0	pCi/g dry	1.08E0		8/29/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<6.40E-1	pCi/g dry	6.40E-1		8/29/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<1.12E0	pCi/g dry	1.12E0		8/29/08	8H28010	AGG-RRL-001
HEIS No.	**B1TNW3**		**Lab ID:**	**0804025-20**				
10198-40-0	Cobalt-60	<2.08E-1	pCi/g dry	2.08E-1		8/29/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.12E-1	pCi/g dry	2.12E-1		8/29/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<6.85E-1	pCi/g dry	6.85E-1		8/29/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<4.37E-1	pCi/g dry	4.37E-1		8/29/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<6.87E-1	pCi/g dry	6.87E-1		8/29/08	8H28010	AGG-RRL-001
HEIS No.	**B1TNW5**		**Lab ID:**	**0804025-22**				
10198-40-0	Cobalt-60	<3.03E-1	pCi/g dry	3.03E-1		8/29/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<3.01E-1	pCi/g dry	3.01E-1		8/29/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<1.17E0	pCi/g dry	1.17E0		8/29/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<6.50E-1	pCi/g dry	6.50E-1		8/29/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<1.12E0	pCi/g dry	1.12E0		8/29/08	8H28010	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TP35**		**Lab ID:**	**0804025-37**				
10198-40-0	Cobalt-60	<1.73E-1	pCi/g dry	1.73E-1		10/06/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.12E-1	pCi/g dry	2.12E-1		10/06/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<7.58E-1	pCi/g dry	7.58E-1		10/06/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<4.74E-1	pCi/g dry	4.74E-1		10/06/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<7.29E-1	pCi/g dry	7.29E-1		10/06/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP40**		**Lab ID:**	**0804025-48**				
10198-40-0	Cobalt-60	<2.21E-1	pCi/g dry	2.21E-1		10/06/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.56E-1	pCi/g dry	2.56E-1		10/06/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<9.58E-1	pCi/g dry	9.58E-1		10/06/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<5.62E-1	pCi/g dry	5.62E-1		10/06/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<9.52E-1	pCi/g dry	9.52E-1		10/06/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP42**		**Lab ID:**	**0804025-50**				
10198-40-0	Cobalt-60	<2.25E-1	pCi/g dry	2.25E-1		10/06/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.68E-1	pCi/g dry	2.68E-1		10/06/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<8.87E-1	pCi/g dry	8.87E-1		10/06/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<5.64E-1	pCi/g dry	5.64E-1		10/06/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<8.50E-1	pCi/g dry	8.50E-1		10/06/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP43**		**Lab ID:**	**0804025-51**				
10198-40-0	Cobalt-60	<2.95E-1	pCi/g dry	2.95E-1		10/06/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<3.03E-1	pCi/g dry	3.03E-1		10/06/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<1.14E0	pCi/g dry	1.14E0		10/06/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<6.56E-1	pCi/g dry	6.56E-1		10/06/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<1.10E0	pCi/g dry	1.10E0		10/06/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP45**		**Lab ID:**	**0804025-53**				
10198-40-0	Cobalt-60	<1.57E-1	pCi/g dry	1.57E-1		10/07/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<1.89E-1	pCi/g dry	1.89E-1		10/07/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<6.16E-1	pCi/g dry	6.16E-1		10/07/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<3.83E-1	pCi/g dry	3.83E-1		10/07/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<6.05E-1	pCi/g dry	6.05E-1		10/07/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP47**		**Lab ID:**	**0804025-57**				
10198-40-0	Cobalt-60	<2.49E-1	pCi/g dry	2.49E-1		10/07/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.26E-1	pCi/g dry	2.26E-1		10/07/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<8.80E-1	pCi/g dry	8.80E-1		10/07/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<5.31E-1	pCi/g dry	5.31E-1		10/07/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<8.98E-1	pCi/g dry	8.98E-1		10/07/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP49**		**Lab ID:**	**0804025-61**				
10198-40-0	Cobalt-60	<2.14E-1	pCi/g dry	2.14E-1		10/07/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.05E-1	pCi/g dry	2.05E-1		10/07/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<7.09E-1	pCi/g dry	7.09E-1		10/07/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<4.31E-1	pCi/g dry	4.31E-1		10/07/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<6.79E-1	pCi/g dry	6.79E-1		10/07/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP51**		**Lab ID:**	**0804025-69**				
10198-40-0	Cobalt-60	<1.46E-1	pCi/g dry	1.46E-1	1.37E-1	7/23/08	8G23007	AGG-RRL-001
10045-97-3	Cesium-137	<2.51E-1	pCi/g dry	2.51E-1		7/23/08	8G23007	AGG-RRL-001
14683-23-9	Europium-152	<8.37E-1	pCi/g dry	8.37E-1		7/23/08	8G23007	AGG-RRL-001
15585-10-1	Europium-154	<4.99E-1	pCi/g dry	4.99E-1		7/23/08	8G23007	AGG-RRL-001
14391-16-3	Europium-155	<8.10E-1	pCi/g dry	8.10E-1		7/23/08	8G23007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TP52**		**Lab ID:**	**0804025-72**				
10198-40-0	Cobalt-60	<2.31E-1	pCi/g dry	2.31E-1		7/23/08	8G23007	AGG-RRL-001
10045-97-3	Cesium-137	<2.48E-1	pCi/g dry	2.48E-1		7/23/08	8G23007	AGG-RRL-001
14683-23-9	Europium-152	<9.47E-1	pCi/g dry	9.47E-1		7/23/08	8G23007	AGG-RRL-001
15585-10-1	Europium-154	<5.19E-1	pCi/g dry	5.19E-1		7/23/08	8G23007	AGG-RRL-001
14391-16-3	Europium-155	<9.02E-1	pCi/g dry	9.02E-1		7/23/08	8G23007	AGG-RRL-001
HEIS No.	**B1TP53**		**Lab ID:**	**0804025-75**				
10198-40-0	Cobalt-60	<2.06E-1	pCi/g dry	2.06E-1		7/23/08	8G23007	AGG-RRL-001
10045-97-3	Cesium-137	<2.09E-1	pCi/g dry	2.09E-1		7/23/08	8G23007	AGG-RRL-001
14683-23-9	Europium-152	<6.91E-1	pCi/g dry	6.91E-1		7/23/08	8G23007	AGG-RRL-001
15585-10-1	Europium-154	<4.43E-1	pCi/g dry	4.43E-1		7/23/08	8G23007	AGG-RRL-001
HEIS No.	**B1TP55**		**Lab ID:**	**0804025-81**				
10198-40-0	Cobalt-60	<2.10E-1	pCi/g dry	2.10E-1		10/07/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.37E-1	pCi/g dry	2.37E-1		10/07/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<8.39E-1	pCi/g dry	8.39E-1		10/07/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<4.88E-1	pCi/g dry	4.88E-1		10/07/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<8.27E-1	pCi/g dry	8.27E-1		10/07/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP59**		**Lab ID:**	**0804025-87**				
10198-40-0	Cobalt-60	<1.75E-1	pCi/g dry	1.75E-1		10/07/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.08E-1	pCi/g dry	2.08E-1		10/07/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<7.11E-1	pCi/g dry	7.11E-1		10/07/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<4.37E-1	pCi/g dry	4.37E-1		10/07/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<6.96E-1	pCi/g dry	6.96E-1		10/07/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP61**		**Lab ID:**	**0804025-91**				
10198-40-0	Cobalt-60	<2.11E-1	pCi/g dry	2.11E-1		10/07/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.63E-1	pCi/g dry	2.63E-1		10/07/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<9.63E-1	pCi/g dry	9.63E-1		10/07/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<5.60E-1	pCi/g dry	5.60E-1		10/07/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<9.17E-1	pCi/g dry	9.17E-1		10/07/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP62**		**Lab ID:**	**0804025-94**				
10198-40-0	Cobalt-60	<1.82E-1	pCi/g dry	1.82E-1		10/08/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<1.96E-1	pCi/g dry	1.96E-1		10/08/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<6.62E-1	pCi/g dry	6.62E-1		10/08/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<4.24E-1	pCi/g dry	4.24E-1		10/08/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<6.68E-1	pCi/g dry	6.68E-1		10/08/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP64**		**Lab ID:**	**0804025-AA**				
10198-40-0	Cobalt-60	<2.15E-1	pCi/g dry	2.15E-1		10/08/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.37E-1	pCi/g dry	2.37E-1		10/08/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<9.03E-1	pCi/g dry	9.03E-1		10/08/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<5.24E-1	pCi/g dry	5.24E-1		10/08/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<8.76E-1	pCi/g dry	8.76E-1		10/08/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP67**		**Lab ID:**	**0804025-AI**				
10198-40-0	Cobalt-60	<1.58E-1	pCi/g dry	1.58E-1		10/08/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<1.89E-1	pCi/g dry	1.89E-1		10/08/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<6.39E-1	pCi/g dry	6.39E-1		10/08/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<4.38E-1	pCi/g dry	4.38E-1		10/08/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<6.76E-1	pCi/g dry	6.76E-1		10/08/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP69**		**Lab ID:**	**0804025-AP**				

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TP69**		**Lab ID:**	**0804025-AP**				
10198-40-0	Cobalt-60	<2.13E-1	pCi/g dry	2.13E-1		10/08/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.21E-1	pCi/g dry	2.21E-1		10/08/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<9.22E-1	pCi/g dry	9.22E-1		10/08/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<5.26E-1	pCi/g dry	5.26E-1		10/08/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<8.77E-1	pCi/g dry	8.77E-1		10/08/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP82**		**Lab ID:**	**0804025-BZ**				
10198-40-0	Cobalt-60	<1.47E-1	pCi/g dry	1.47E-1		10/08/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<1.84E-1	pCi/g dry	1.84E-1		10/08/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<6.08E-1	pCi/g dry	6.08E-1		10/08/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<3.95E-1	pCi/g dry	3.95E-1		10/08/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<6.03E-1	pCi/g dry	6.03E-1		10/08/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP93**		**Lab ID:**	**0804025-DL**				
10198-40-0	Cobalt-60	<1.83E-1	pCi/g dry	1.83E-1		10/08/08	8H28010	AGG-RRL-001
10045-97-3	Cesium-137	<2.22E-1	pCi/g dry	2.22E-1		10/08/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<8.80E-1	pCi/g dry	8.80E-1		10/08/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<4.93E-1	pCi/g dry	4.93E-1		10/08/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<8.41E-1	pCi/g dry	8.41E-1		10/08/08	8H28010	AGG-RRL-001
HEIS No.	**B1TP94**		**Lab ID:**	**0804025-DM**				
10198-40-0	Cobalt-60	<1.68E-1	pCi/g dry	1.68E-1		10/08/08	8H28010	AGG-RRL-001
14683-23-9	Europium-152	<6.79E-1	pCi/g dry	6.79E-1		10/08/08	8H28010	AGG-RRL-001
15585-10-1	Europium-154	<4.36E-1	pCi/g dry	4.36E-1		10/08/08	8H28010	AGG-RRL-001
14391-16-3	Europium-155	<6.60E-1	pCi/g dry	6.60E-1		10/08/08	8H28010	AGG-RRL-001

Total Alpha Total Beta/Acid Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TP24**		**Lab ID:**	**0804025-04**				
12587-47-2	Gross Beta	9.94E2	pCi/g dry	1.53E1	1.25E1	10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.55E0	pCi/g dry	6.55E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TP28**		**Lab ID:**	**0804025-07**				
12587-47-2	Gross Beta	<1.49E1	pCi/g dry	1.49E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.37E0	pCi/g dry	6.37E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TP29**		**Lab ID:**	**0804025-08**				
12587-47-2	Gross Beta	<1.48E1	pCi/g dry	1.48E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.32E0	pCi/g dry	6.32E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TP30**		**Lab ID:**	**0804025-09**				
12587-47-2	Gross Beta	<1.52E1	pCi/g dry	1.52E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.52E0	pCi/g dry	6.52E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TNV9**		**Lab ID:**	**0804025-10**				
12587-47-2	Gross Beta	<1.48E1	pCi/g dry	1.48E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.33E0	pCi/g dry	6.33E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TP22**		**Lab ID:**	**0804025-13**				
12587-47-2	Gross Beta	<1.49E1	pCi/g dry	1.49E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.38E0	pCi/g dry	6.38E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TP26**		**Lab ID:**	**0804025-16**				
12587-47-2	Gross Beta	<1.49E1	pCi/g dry	1.49E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.39E0	pCi/g dry	6.39E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TNW0**		**Lab ID:**	**0804025-17**				
12587-47-2	Gross Beta	<1.50E1	pCi/g dry	1.50E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.44E0	pCi/g dry	6.44E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TNW1**		**Lab ID:**	**0804025-18**				
12587-47-2	Gross Beta	<1.49E1	pCi/g dry	1.49E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.38E0	pCi/g dry	6.38E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TNW3**		**Lab ID:**	**0804025-20**				
12587-47-2	Gross Beta	<1.49E1	pCi/g dry	1.49E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.40E0	pCi/g dry	6.40E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TNW5**		**Lab ID:**	**0804025-22**				
12587-47-2	Gross Beta	<1.51E1	pCi/g dry	1.51E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.45E0	pCi/g dry	6.45E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TP35**		**Lab ID:**	**0804025-37**				
12587-47-2	Gross Beta	<1.50E1	pCi/g dry	1.50E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.41E0	pCi/g dry	6.41E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TP40**		**Lab ID:**	**0804025-48**				
12587-47-2	Gross Beta	<1.51E1	pCi/g dry	1.51E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.46E0	pCi/g dry	6.46E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TP42**		**Lab ID:**	**0804025-50**				
12587-47-2	Gross Beta	<1.46E1	pCi/g dry	1.46E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.25E0	pCi/g dry	6.25E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TP43**		**Lab ID:**	**0804025-51**				
12587-47-2	Gross Beta	<1.63E1	pCi/g dry	1.63E1		10/06/08	8J07001	AGG-RRL-002
12587-46-1	Gross Alpha	<6.99E0	pCi/g dry	6.99E0		10/06/08	8J07001	AGG-RRL-002
HEIS No.	**B1TP45**		**Lab ID:**	**0804025-53**				
12587-47-2	Gross Beta	<1.50E1	pCi/g dry	1.50E1		10/07/08	8J07002	AGG-RRL-002

Total Alpha Total Beta/Acid Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1TP45**		**Lab ID:**	**0804025-53**				
12587-46-1	Gross Alpha	<6.31E0	pCi/g dry	6.31E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP47**		**Lab ID:**	**0804025-57**				
12587-47-2	Gross Beta	<1.49E1	pCi/g dry	1.49E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.25E0	pCi/g dry	6.25E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP49**		**Lab ID:**	**0804025-61**				
12587-47-2	Gross Beta	<1.48E1	pCi/g dry	1.48E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.22E0	pCi/g dry	6.22E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP51**		**Lab ID:**	**0804025-69**				
12587-47-2	Gross Beta	4.26E1	pCi/g dry	1.55E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.52E0	pCi/g dry	6.52E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP52**		**Lab ID:**	**0804025-72**				
12587-47-2	Gross Beta	<1.50E1	pCi/g dry	1.50E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.31E0	pCi/g dry	6.31E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP53**		**Lab ID:**	**0804025-75**				
12587-47-2	Gross Beta	<1.48E1	pCi/g dry	1.48E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.24E0	pCi/g dry	6.24E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP55**		**Lab ID:**	**0804025-81**				
12587-47-2	Gross Beta	<1.51E1	pCi/g dry	1.51E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.34E0	pCi/g dry	6.34E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP59**		**Lab ID:**	**0804025-87**				
12587-47-2	Gross Beta	<1.48E1	pCi/g dry	1.48E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.23E0	pCi/g dry	6.23E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP61**		**Lab ID:**	**0804025-91**				
12587-47-2	Gross Beta	<1.49E1	pCi/g dry	1.49E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.26E0	pCi/g dry	6.26E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP62**		**Lab ID:**	**0804025-94**				
12587-47-2	Gross Beta	<1.50E1	pCi/g dry	1.50E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.32E0	pCi/g dry	6.32E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP64**		**Lab ID:**	**0804025-AA**				
12587-47-2	Gross Beta	<1.52E1	pCi/g dry	1.52E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.39E0	pCi/g dry	6.39E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP67**		**Lab ID:**	**0804025-AI**				
12587-47-2	Gross Beta	<1.54E2	pCi/g dry	1.54E2		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.45E1	pCi/g dry	6.45E1		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP69**		**Lab ID:**	**0804025-AP**				
12587-47-2	Gross Beta	<1.52E1	pCi/g dry	1.52E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.38E0	pCi/g dry	6.38E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP82**		**Lab ID:**	**0804025-BZ**				
12587-47-2	Gross Beta	<1.51E1	pCi/g dry	1.51E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.37E0	pCi/g dry	6.37E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP93**		**Lab ID:**	**0804025-DL**				
12587-47-2	Gross Beta	<1.59E1	pCi/g dry	1.59E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.68E0	pCi/g dry	6.68E0		10/07/08	8J07002	AGG-RRL-002
HEIS No.	**B1TP94**		**Lab ID:**	**0804025-DM**				
12587-47-2	Gross Beta	<1.54E1	pCi/g dry	1.54E1		10/07/08	8J07002	AGG-RRL-002
12587-46-1	Gross Alpha	<6.49E0	pCi/g dry	6.49E0		10/07/08	8J07002	AGG-RRL-002

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8G09001 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8G09001-DUP1)		**Source: 0804025-51**		Prepared: 07/09/08		Analyzed: 07/10/08				
pH	7.65E0	N/A	pH Units		7.65E0			0.00	20	
Batch 8G09002 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8G09002-DUP1)		**Source: 0804025-69**		Prepared: 07/09/08		Analyzed: 07/10/08				
pH	7.27E0	N/A	pH Units		7.29E0			0.275	20	
Duplicate (8G09002-DUP2)		**Source: 0804025-87**		Prepared: 07/09/08		Analyzed: 07/10/08				
pH	7.48E0	N/A	pH Units		7.52E0			0.533	20	
Batch 8G09003 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8G09003-BLK1)				Prepared: 07/09/08		Analyzed: 07/10/08				
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm							
Duplicate (8G09003-DUP1)		**Source: 0804025-51**		Prepared: 07/09/08		Analyzed: 07/10/08				
Specific Conductance (EC)	7.27E0	1.00E-2	mS/cm		7.25E0			0.262	20	
Batch 8G09004 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8G09004-BLK1)				Prepared: 07/09/08		Analyzed: 07/10/08				
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm							
Duplicate (8G09004-DUP1)		**Source: 0804025-69**		Prepared: 07/09/08		Analyzed: 07/10/08				
Specific Conductance (EC)	1.04E1	1.00E-2	mS/cm		1.03E1			0.484	20	

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8G14005 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8G14005-BLK1)				Prepared & Analyzed: 07/14/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Duplicate (8G14005-DUP1)		**Source: 0804025-51**		Prepared & Analyzed: 07/14/08						
Alkalinity as CaCO3	3.39E1	2.44E1	ug/g dry		3.65E1			7.40	20	
Batch 8G14006 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8G14006-BLK1)				Prepared & Analyzed: 07/14/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Duplicate (8G14006-DUP1)		**Source: 0804025-69**		Prepared & Analyzed: 07/14/08						
Alkalinity as CaCO3	2.58E1	2.35E1	ug/g dry		2.77E1			6.98	20	
Batch 8H27001 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8H27001-DUP1)		**Source: 0804025-50**		Prepared: 08/27/08 Analyzed: 08/28/08						
pH	7.64E0	N/A	pH Units		7.77E0			1.69	35	
Batch 8H27004 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8H27004-BLK1)				Prepared: 08/27/08 Analyzed: 08/28/08						
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm							
Duplicate (8H27004-DUP1)		**Source: 0804025-50**		Prepared: 08/27/08 Analyzed: 08/28/08						
Specific Conductance (EC)	7.03E-1	1.00E-2	mS/cm		6.66E-1			5.41	35	

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8I02001 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8I02001-BLK1)				Prepared & Analyzed: 09/02/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Duplicate (8I02001-DUP1)		**Source: 0804025-50**		Prepared & Analyzed: 09/02/08						
Alkalinity as CaCO3	4.18E1	2.35E1	ug/g dry		3.88E1			7.48	35	

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8G09011 - 1:1 Water Extract (IC)										
Blank (8G09011-BLK1)				Prepared: 07/09/08 Analyzed: 07/10/08						
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 (8G09011-BS1)				Prepared: 07/09/08 Analyzed: 07/10/08						
Fluoride	2.13E0	2.00E-1	ug/g wet	2.00E0		107	80-120			
Chloride	5.08E0	5.00E-1	"	5.00E0		102	80-120			
Nitrite	1.02E1	1.00E0	"	1.00E1		102	80-120			
Nitrate	1.08E1	1.00E0	"	1.00E1		108	80-120			
Sulfate	1.55E1	1.50E0	"	1.50E1		103	80-120			
Phosphate	1.53E1	1.50E0	"	1.50E1		102	80-120			
Duplicate (8G09011-DUP1)		**Source: 0804025-51**		Prepared: 07/09/08 Analyzed: 07/10/08						
Fluoride	<2.08E0	2.08E0	ug/g dry		ND				20	
Chloride	7.61E1	5.19E0	"		7.27E1			4.61	20	D
Nitrite	<1.04E1	1.04E1	"		ND				20	
Nitrate	3.79E1	1.04E0	"		3.61E1			4.83	20	D
Sulfate	6.90E2	1.56E1	"		7.47E2			7.98	20	D
Phosphate	<1.56E1	1.56E1	"		ND				20	
Post Spike (8G09011-PS1)		**Source: 0804025-04**		Prepared: 07/09/08 Analyzed: 07/10/08						
Fluoride	8.93E-1	N/A	ug/mL	8.00E-1	1.43E-1	93.8	75-125			D
Chloride	3.23E0	N/A	"	2.00E0	1.35E0	93.6	75-125			D
Nitrite	3.78E0	N/A	"	4.00E0	2.31E-1	88.8	75-125			D
Nitrate	1.74E1	N/A	"	4.00E0	1.40E1	86.2	75-125			D
Sulfate	4.95E1	N/A	"	6.00E0	4.58E1	61.6	75-125			D
Phosphate	4.04E1	N/A	"	6.00E0	3.62E1	71.4	75-125			D

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8G10007 - 1:1 Water Extract (IC)										
Blank (8G10007-BLK1)				Prepared: 07/10/08		Analyzed: 07/11/08				
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 (8G10007-BS1)				Prepared: 07/10/08		Analyzed: 07/11/08				
Fluoride	2.08E0	2.00E-1	ug/g wet	2.00E0		104	80-120			
Chloride	5.14E0	5.00E-1	"	5.00E0		103	80-120			
Nitrite	1.02E1	1.00E0	"	9.99E0		102	80-120			
Nitrate	1.06E1	1.00E0	"	9.99E0		106	80-120			
Sulfate	1.55E1	1.50E0	"	1.50E1		104	80-120			
Phosphate	1.53E1	1.50E0	"	1.50E1		102	80-120			
Duplicate (8G10007-DUP1)		**Source: 0804025-69**		Prepared: 07/10/08		Analyzed: 07/11/08				
Fluoride	<2.00E1	2.00E1	ug/g dry		ND				20	
Chloride	<5.00E1	5.00E1	"		4.96E1				20	
Nitrite	<1.00E2	1.00E2	"		ND				20	
Nitrate	6.40E3	1.00E2	"		6.36E3			0.610	20	D
Sulfate	1.60E2	1.50E2	"		1.63E2			1.91	20	D
Phosphate	<1.50E2	1.50E2	"		ND				20	
Post Spike (8G10007-PS1)		**Source: 0804025-61**		Prepared: 07/10/08		Analyzed: 07/15/08				
Fluoride	8.48E-1	N/A	ug/mL	7.69E-1	ND	110	75-125			D
Chloride	2.14E0	N/A	"	1.92E0	1.58E-1	103	75-125			D
Nitrite	4.17E0	N/A	"	3.85E0	ND	108	75-125			D
Nitrate	1.95E1	N/A	"	3.85E0	1.59E1	94	75-125			D
Sulfate	6.43E0	N/A	"	5.77E0	2.10E0	75.1	75-125			D
Phosphate	6.05E0	N/A	"	5.77E0	ND	105	75-125			D

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8H28003 - 1:1 Water Extract (IC)										
Blank (8H28003-BLK1)				Prepared & Analyzed: 08/28/08						
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 (8H28003-BS1)				Prepared & Analyzed: 08/28/08						
Fluoride	2.07E0	2.00E-1	ug/g wet	2.00E0		104	80-120			
Chloride	4.94E0	5.00E-1	"	5.00E0		98.8	80-120			
Nitrite	1.19E1	1.00E0	"	1.00E1		119	80-120			
Nitrate	1.05E1	1.00E0	"	1.00E1		105	80-120			
Sulfate	1.51E1	1.50E0	"	1.50E1		101	80-120			
Phosphate	1.51E1	1.50E0	"	1.50E1		101	80-120			
Duplicate (8H28003-DUP1)		**Source: 0804025-50**		Prepared & Analyzed: 08/28/08						
Fluoride	2.62E-1	2.00E-1	ug/g dry		2.68E-1			2.33	35	D
Chloride	4.18E0	5.00E-1	"		4.16E0			0.436	35	D
Nitrite	<1.00E0	1.00E0	"		ND				35	
Nitrate	2.56E2	1.00E2	"		2.56E2			0.128	35	D
Sulfate	9.57E1	1.50E0	"		7.46E1			24.7	35	D
Phosphate	<1.50E0	1.50E0	"		ND				35	
Post Spike (8H28003-PS1)		**Source: 0804025-91**		Prepared & Analyzed: 08/28/08						
Fluoride	9.81E-1	N/A	ug/mL	8.00E-1	1.97E-1	98	75-125			D
Chloride	3.28E0	N/A	"	2.00E0	1.40E0	93.6	75-125			D
Nitrite	4.25E0	N/A	"	4.00E0	ND	106	75-125			D
Nitrate	1.43E1	N/A	"	4.00E0	1.03E1	98.8	75-125			D
Sulfate	4.41E1	N/A	"	6.00E0	3.92E1	81.5	75-125			D
Phosphate	5.85E0	N/A	"	6.00E0	2.82E-1	92.8	75-125			D

Cyanide by Mircodistillation/Colorimetric - Quality Control

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9H06008 - NO PREP										
Blank (9H06008-BLK1)				Prepared & Analyzed: 12/10/08						
Cyanide	<2.00E-1	2.00E-1	ug/g wet							
LCS (9H06008-BS1)				Prepared & Analyzed: 12/10/08						
Cyanide	9.74E-1	N/A	ug/g	1.00E0		N97.4	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 8G22002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8G22002-BLK1)				Prepared: 07/09/08 Analyzed: 07/30/08						
Aluminum	<1.43E-1	1.43E-1	ug/g wet							
Barium	<1.46E-2	1.46E-2	"							
Calcium	<6.45E-1	6.45E-1	"							
Iron	<2.37E-1	2.37E-1	"							
Potassium	<3.88E0	3.88E0	"							
Magnesium	<1.39E-1	1.39E-1	"							
Manganese	<2.86E-2	2.86E-2	"							
Nickel	<1.56E-1	1.56E-1	"							
Thallium	<1.71E0	1.71E0	"							
Sodium	<1.12E0	1.12E0	"							
Blank (8G22002-BLK2)				Prepared: 07/09/08 Analyzed: 07/30/08						
Aluminum	<1.43E-1	1.43E-1	ug/g wet							
Barium	<1.46E-2	1.46E-2	"							
Calcium	<6.45E-1	6.45E-1	"							
Iron	<2.37E-1	2.37E-1	"							
Potassium	<3.88E0	3.88E0	"							
Magnesium	<1.39E-1	1.39E-1	"							
Manganese	<2.86E-2	2.86E-2	"							
Nickel	<1.56E-1	1.56E-1	"							
Thallium	<1.71E0	1.71E0	"							
Sodium	<1.12E0	1.12E0	"							
LCS (8G22002-BS1)				Prepared: 07/09/08 Analyzed: 07/30/08						
Aluminum	4.65E0	8.58E-2	ug/g wet	5.00E0		93.0	80-120			
Barium	4.76E0	8.79E-3	"	5.00E0		95.2	80-120			
Calcium	4.70E0	3.87E-1	"	5.00E0		93.9	80-120			
Iron	4.88E0	1.42E-1	"	5.00E0		97.7	80-120			
Potassium	4.82E1	2.33E0	"	5.00E1		96.4	80-120			
Magnesium	4.64E0	8.34E-2	"	5.00E0		92.9	80-120			
Manganese	4.80E0	1.71E-2	"	5.00E0		96.1	80-120			
Nickel	4.86E0	9.33E-2	"	5.00E0		97.2	80-120			
Thallium	4.85E0	1.03E0	"	5.00E0		97.0	80-120			
Sodium	5.04E0	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 8G22002 - 1:1 Water Extract (ICP/ICPMS)										
LCS (8G22002-BS2)				Prepared: 07/09/08		Analyzed: 07/30/08				
Aluminum	4.64E0	8.58E-2	ug/g wet	5.00E0		92.9	80-120			
Barium	4.87E0	8.79E-3	"	5.00E0		97.4	80-120			
Calcium	4.78E0	3.87E-1	"	5.00E0		95.7	80-120			
Iron	4.88E0	1.42E-1	"	5.00E0		97.7	80-120			
Potassium	4.93E1	2.33E0	"	5.00E1		98.6	80-120			
Magnesium	4.64E0	8.34E-2	"	5.00E0		92.8	80-120			
Manganese	4.80E0	1.71E-2	"	5.00E0		96.1	80-120			
Nickel	4.85E0	9.33E-2	"	5.00E0		97.1	80-120			
Thallium	4.76E0	1.03E0	"	5.00E0		95.2	80-120			
Sodium	5.16E0	6.69E-1	"	5.00E0		103	80-120			
Duplicate (8G22002-DUP1)		**Source: 0804025-51**		Prepared: 07/09/08		Analyzed: 07/30/08				
Aluminum	<1.49E-1	1.49E-1	ug/g dry		ND				35	
Barium	3.05E-2	1.52E-2	"		2.79E-2			8.83	35	
Calcium	1.68E2	6.70E-1	"		1.71E2			2.08	35	
Iron	2.01E0	2.46E-1	"		1.96E0			2.63	35	
Potassium	1.99E1	4.03E0	"		1.94E1			2.71	35	
Magnesium	4.69E1	1.44E-1	"		4.63E1			1.42	35	
Manganese	<2.96E-2	2.96E-2	"		ND				35	
Nickel	<1.61E-1	1.61E-1	"		ND				35	
Thallium	<1.78E0	1.78E0	"		ND				35	
Sodium	1.54E3	1.16E0	"		1.47E3			4.84	35	
Duplicate (8G22002-DUP2)		**Source: 0804025-69**		Prepared: 07/09/08		Analyzed: 07/30/08				
Aluminum	<1.43E-1	1.43E-1	ug/g dry		ND				35	
Barium	1.88E-1	1.46E-2	"		1.85E-1			1.45	35	
Calcium	6.13E2	6.45E-1	"		6.07E2			0.925	35	
Iron	3.05E0	2.37E-1	"		2.87E0			6.09	35	
Potassium	4.71E1	3.88E0	"		4.77E1			1.14	35	
Magnesium	1.81E2	2.78E0	"		1.80E2			0.448	35	
Manganese	2.49E-1	2.85E-2	"		2.94E-1			16.6	35	
Nickel	<1.55E-1	1.55E-1	"		ND				35	
Thallium	<1.71E0	1.71E0	"		ND				35	
Sodium	1.51E3	1.11E0	"		1.48E3			1.71	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 8G22002 - 1:1 Water Extract (ICP/ICPMS)										
Post Spike (8G22002-PS1)		**Source: 0804025-51**		Prepared: 07/22/08		Analyzed: 07/30/08				
Aluminum	5.23E2	N/A	ug/L	5.00E2	5.98E0	103	75-125			
Barium	2.58E2	N/A	"	2.50E2	5.58E0	101	75-125			
Calcium	3.46E4	N/A	"	5.00E2	3.42E4	89.7	75-125			
Iron	8.97E2	N/A	"	5.00E2	3.92E2	101	75-125			
Potassium	5.17E3	N/A	"	1.25E3	3.87E3	104	75-125			
Magnesium	9.74E3	N/A	"	5.00E2	9.23E3	102	75-125			
Manganese	2.48E2	N/A	"	2.50E2	ND	101	75-125			
Nickel	4.96E2	N/A	"	5.00E2	3.48E-1	99.2	75-125			
Thallium	3.77E2	N/A	"	5.00E2	ND	98.8	75-125			
Sodium	2.93E5	N/A	"	5.00E2	2.94E5	NR	75-125			
Post Spike (8G22002-PS2)		**Source: 0804025-69**		Prepared: 07/22/08		Analyzed: 07/30/08				
Aluminum	5.22E2	N/A	ug/L	5.00E2	ND	106	75-125			
Barium	2.92E2	N/A	"	2.50E2	3.75E1	102	75-125			
Calcium	1.25E5	N/A	"	5.00E2	1.23E5	387	75-125			
Iron	1.08E3	N/A	"	5.00E2	5.82E2	100	75-125			
Potassium	1.10E4	N/A	"	1.25E3	9.68E3	107	75-125			
Magnesium	2.32E3	N/A	"	2.50E1	1.83E3	NR	75-125			
Manganese	3.08E2	N/A	"	2.50E2	5.96E1	99.3	75-125			
Nickel	4.83E2	N/A	"	5.00E2	3.71E0	95.8	75-125			
Thallium	2.50E2	N/A	"	5.00E2	ND	97.8	75-125			
Sodium	3.05E5	N/A	"	5.00E2	3.01E5	717	75-125			
Batch 8I23005 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8I23005-BLK1)				Prepared: 08/25/08		Analyzed: 09/24/08				
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Barium	<8.79E-3	8.79E-3	"							
Calcium	<3.87E-1	3.87E-1	"							
Iron	<1.42E-1	1.42E-1	"							
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	"							
Thallium	<1.03E0	1.03E0	"							
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 8I23005 - 1:1 Water Extract (ICP/ICPMS)										
LCS (8I23005-BS1)				Prepared: 08/25/08	Analyzed: 09/24/08					
Aluminum	4.77E0	8.58E-2	ug/g wet	5.00E0		95.5	80-120			
Barium	4.76E0	8.79E-3	"	5.00E0		95.3	80-120			
Calcium	4.76E0	3.87E-1	"	5.00E0		95.3	80-120			
Iron	4.95E0	1.42E-1	"	5.00E0		99.1	80-120			
Potassium	4.83E1	2.33E0	"	5.00E1		96.8	80-120			
Magnesium	4.76E0	8.34E-2	"	5.00E0		95.4	80-120			
Manganese	4.88E0	1.71E-2	"	5.00E0		97.8	80-120			
Nickel	4.96E0	9.33E-2	"	5.00E0		99.2	80-120			
Thallium	4.92E0	1.03E0	"	5.00E0		98.5	80-120			
Sodium	5.19E0	6.69E-1	"	5.00E0		104	80-120			
Duplicate (8I23005-DUP1)		**Source: 0804025-50**		Prepared: 08/25/08	Analyzed: 09/24/08					
Aluminum	<8.58E-2	8.58E-2	ug/g dry		ND				35	
Barium	1.18E-2	8.79E-3	"		1.57E-2			28.3	35	
Calcium	2.30E1	3.87E-1	"		1.92E1			17.8	35	
Iron	<1.42E-1	1.42E-1	"		ND				35	
Potassium	4.45E0	2.33E0	"		4.30E0			3.55	35	
Magnesium	5.91E0	8.34E-2	"		4.99E0			16.9	35	
Manganese	<1.71E-2	1.71E-2	"		ND				35	
Nickel	<9.33E-2	9.33E-2	"		ND				35	
Thallium	<1.03E0	1.03E0	"		ND				35	
Sodium	1.11E2	6.69E-1	"		1.11E2			0.0347	35	
Post Spike (8I23005-PS1)		**Source: 0804025-50**		Prepared: 09/23/08	Analyzed: 09/24/08					
Aluminum	5.26E2	N/A	ug/L	5.00E2	2.45E1	100	75-125			
Barium	2.43E2	N/A	"	2.50E2	5.24E0	95.2	75-125			
Calcium	6.88E3	N/A	"	5.00E2	6.39E3	96.7	75-125			
Iron	5.11E2	N/A	"	5.00E2	6.10E0	101	75-125			
Potassium	2.66E3	N/A	"	1.25E3	1.43E3	98.7	75-125			
Magnesium	2.18E3	N/A	"	5.00E2	1.66E3	103	75-125			
Manganese	2.50E2	N/A	"	2.50E2	ND	102	75-125			
Nickel	4.95E2	N/A	"	5.00E2	ND	99.1	75-125			
Thallium	4.66E2	N/A	"	5.00E2	ND	101	75-125			
Sodium	3.74E4	N/A	"	5.00E2	3.69E4	107	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 8I23006 - ASTM D 5198 (ICP/ICPMS)										
Blank (8I23006-BLK1)				Prepared: 08/26/08 Analyzed: 09/24/08						
Aluminum	<2.30E0	2.30E0	ug/g wet							
Barium	<2.19E-1	2.19E-1	"							
Calcium	<8.56E0	8.56E0	"							
Iron	<5.85E0	5.85E0	"							
Potassium	<5.43E0	5.43E0	"							
Magnesium	<1.81E0	1.81E0	"							
Manganese	<6.86E-2	6.86E-2	"							
Nickel	<4.71E-1	4.71E-1	"							
Thallium	<2.59E0	2.59E0	"							
Sodium	<6.14E1	6.14E1	"							
LCS (8I23006-BS1)				Prepared: 08/26/08 Analyzed: 09/24/08						
Aluminum	5.36E0	1.30E-1	ug/g wet	5.71E0		93.8	80-120			
Barium	5.77E0	1.24E-2	"	5.71E0		101	80-120			
Calcium	5.55E0	4.83E-1	"	5.71E0		97.1	80-120			
Iron	5.70E0	3.30E-1	"	5.71E0		99.7	80-120			
Potassium	5.66E1	3.06E-1	"	5.71E1		99.0	80-120			
Magnesium	5.29E0	1.02E-1	"	5.71E0		92.5	80-120			
Manganese	5.66E0	3.87E-3	"	5.71E0		99.1	80-120			
Nickel	5.58E0	2.66E-2	"	5.71E0		97.6	80-120			
Thallium	5.48E0	1.46E-1	"	5.71E0		95.9	80-120			
Sodium	6.03E0	3.46E0	"	5.71E0		105	80-120			
Duplicate (8I23006-DUP1)		**Source: 0804025-51**		Prepared: 08/26/08 Analyzed: 09/24/08						
Aluminum	5.87E3	3.66E1	ug/g dry		5.57E3			5.31	35	
Barium	4.45E1	8.72E-1	"		4.33E1			2.68	35	
Calcium	7.21E3	3.40E1	"		7.11E3			1.40	35	
Iron	1.15E4	9.30E1	"		1.10E4			3.90	35	
Potassium	1.43E3	2.16E1	"		1.43E3			0.0202	35	
Magnesium	4.03E3	2.88E1	"		3.84E3			4.98	35	
Manganese	2.39E2	2.72E-1	"		2.46E2			3.10	35	
Nickel	1.24E1	1.87E0	"		1.26E1			1.04	35	
Thallium	<1.03E1	1.03E1	"		ND				35	
Sodium	1.77E3	2.44E2	"		1.75E3			0.979	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 8I23006 - ASTM D 5198 (ICP/ICPMS)										
Post Spike (8I23006-PS1)		**Source: 0804025-51**		Prepared: 09/23/08	Analyzed: 09/24/08					
Aluminum	1.57E4	N/A	ug/L	1.25E2	1.50E4	518	75-125			
Barium	7.25E2	N/A	"	2.50E2	4.67E2	103	75-125			
Calcium	7.84E4	N/A	"	5.00E2	7.67E4	333	75-125			
Iron	3.05E4	N/A	"	1.25E2	2.97E4	627	75-125			
Potassium	1.68E4	N/A	"	1.25E3	1.55E4	105	75-125			
Magnesium	1.10E4	N/A	"	1.25E2	1.04E4	510	75-125			
Manganese	2.92E3	N/A	"	2.50E2	2.66E3	106	75-125			
Nickel	6.04E2	N/A	"	5.00E2	1.36E2	93.7	75-125			
Thallium	8.16E1	N/A	"	5.00E2	ND	88.5	75-125			
Sodium	1.97E4	N/A	"	5.00E2	1.89E4	158	75-125			
Batch 8I23007 - ASTM D 5198 (ICP/ICPMS)										
Blank (8I23007-BLK1)				Prepared: 08/27/08	Analyzed: 09/24/08					
Aluminum	<2.37E0	2.37E0	ug/g wet							
Barium	<2.26E-1	2.26E-1	"							
Calcium	<8.82E0	8.82E0	"							
Iron	<6.03E0	6.03E0	"							
Potassium	<5.60E0	5.60E0	"							
Magnesium	<1.87E0	1.87E0	"							
Manganese	<7.06E-2	7.06E-2	"							
Nickel	<4.85E-1	4.85E-1	"							
Thallium	<2.67E0	2.67E0	"							
Sodium	<6.32E1	6.32E1	"							
LCS (8I23007-BS1)				Prepared: 08/27/08	Analyzed: 09/24/08					
Aluminum	5.33E0	1.28E-1	ug/g wet	5.71E0		93.3	80-120			
Barium	5.79E0	1.22E-2	"	5.71E0		101	80-120			
Calcium	5.57E0	4.75E-1	"	5.71E0		97.5	80-120			
Iron	5.74E0	3.25E-1	"	5.71E0		100	80-120			
Potassium	5.67E1	3.01E-1	"	5.71E1		99.2	80-120			
Magnesium	5.30E0	1.01E-1	"	5.71E0		92.8	80-120			
Manganese	5.70E0	3.80E-3	"	5.71E0		99.8	80-120			
Nickel	5.64E0	2.61E-2	"	5.71E0		98.7	80-120			
Thallium	5.57E0	1.44E-1	"	5.71E0		97.4	80-120			
Sodium	6.11E0	3.40E0	"	5.71E0		107	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 8I23007 - ASTM D 5198 (ICP/ICPMS)										
Duplicate (8I23007-DUP1)		**Source: 0804025-69**		Prepared: 08/27/08	Analyzed: 09/24/08					
Aluminum	5.25E3	3.49E1	ug/g dry		5.34E3			1.80	35	
Barium	5.14E1	8.31E-1	"		4.80E1			6.72	35	
Calcium	7.46E3	3.24E1	"		7.39E3			0.842	35	
Iron	1.06E4	8.87E1	"		1.11E4			4.63	35	
Potassium	1.22E3	2.06E1	"		1.21E3			0.994	35	
Magnesium	3.96E3	2.74E1	"		4.01E3			1.31	35	
Manganese	2.32E2	2.60E-1	"		2.27E2			2.35	35	
Nickel	1.09E1	1.78E0	"		1.23E1			12.6	35	
Thallium	<9.80E0	9.80E0	"		ND				35	
Sodium	1.77E3	2.32E2	"		1.65E3			6.55	35	
Post Spike (8I23007-PS1)		**Source: 0804025-69**		Prepared: 09/23/08	Analyzed: 09/24/08					
Aluminum	1.56E4	N/A	ug/L	1.25E2	1.53E4	262	75-125			
Barium	7.77E2	N/A	"	2.50E2	5.49E2	91.3	75-125			
Calcium	8.26E4	N/A	"	5.00E2	8.44E4	NR	75-125			
Iron	3.20E4	N/A	"	1.25E2	3.18E4	185	75-125			
Potassium	1.49E4	N/A	"	1.25E3	1.38E4	86	75-125			
Magnesium	1.19E4	N/A	"	1.25E2	1.14E4	329	75-125			
Manganese	2.82E3	N/A	"	2.50E2	2.59E3	92.9	75-125			
Nickel	6.09E2	N/A	"	5.00E2	1.41E2	93.7	75-125			
Thallium	7.61E1	N/A	"	5.00E2	ND	98.9	75-125			
Sodium	1.89E4	N/A	"	5.00E2	1.89E4	NR	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 8I22001 - ASTM D 5198 (ICP/ICPMS)										
Blank (8I22001-BLK1)				Prepared & Analyzed: 09/22/08						
Technetium-99	<1.11E-3	1.11E-3	ug/g wet							
Uranium 238	<8.06E-3	8.06E-3	"							
Duplicate (8I22001-DUP1)		**Source: 0804025-51**		Prepared & Analyzed: 09/22/08						
Technetium-99	7.03E-3	4.41E-3	ug/g dry		6.96E-3			1.00	35	
Uranium 238	3.71E-1	3.20E-2	"		3.63E-1			2.32	35	
Post Spike (8I22001-PS1)		**Source: 0804025-51**		Prepared & Analyzed: 09/22/08						
Technetium-99	5.45E-1	N/A	ug/L	5.00E-1	1.88E-2	105	75-125			
Uranium 238	1.42E0	N/A	"	5.00E-1	9.79E-1	88.6	75-125			
Batch 8I22002 - ASTM D 5198 (ICP/ICPMS)										
Blank (8I22002-BLK1)				Prepared & Analyzed: 09/22/08						
Technetium-99	<1.14E-3	1.14E-3	ug/g wet							
Uranium 238	<8.30E-3	8.30E-3	"							
Duplicate (8I22002-DUP1)		**Source: 0804025-69**		Prepared & Analyzed: 09/22/08						
Technetium-99	1.29E-2	4.20E-3	ug/g dry		1.23E-2			4.51	35	
Uranium 238	4.07E-1	3.05E-2	"		3.97E-1			2.35	35	
Post Spike (8I22002-PS1)		**Source: 0804025-69**		Prepared & Analyzed: 09/22/08						
Technetium-99	5.61E-1	N/A	ug/L	5.00E-1	3.51E-2	105	75-125			
Uranium 238	1.58E0	N/A	"	5.00E-1	1.13E0	88.8	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 8G15001 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8G15001-BLK1)				Prepared & Analyzed: 07/15/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Duplicate (8G15001-DUP1)		Source: 0804025-51		Prepared & Analyzed: 07/15/08						
Technetium-99	6.25E-3	2.39E-5	ug/g dry		6.21E-3			0.642	20	
Uranium 238	1.53E-3	5.85E-4	"		1.51E-3			1.52	20	
Post Spike (8G15001-PS1)		Source: 0804025-51		Prepared & Analyzed: 07/15/08						
Technetium-99	1.82E0	N/A	ug/L	5.00E-1	1.24E0	116	75-125			
Uranium 238	8.46E-1	N/A	"	5.00E-1	3.01E-1	109	75-125			
Batch 8G15002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8G15002-BLK1)				Prepared & Analyzed: 07/15/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Duplicate (8G15002-DUP1)		Source: 0804025-69		Prepared & Analyzed: 07/15/08						
Technetium-99	1.05E-2	2.30E-5	ug/g dry		1.06E-2			0.501	20	
Uranium 238	1.40E-3	5.63E-4	"		1.53E-3			8.82	20	
Post Spike (8G15002-PS1)		Source: 0804025-69		Prepared & Analyzed: 07/15/08						
Technetium-99	2.69E0	N/A	ug/L	5.00E-1	2.15E0	108	75-125			
Uranium 238	8.77E-1	N/A	"	5.00E-1	3.10E-1	113	75-125			
Batch 8I09003 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8I09003-BLK1)				Prepared & Analyzed: 09/09/08						
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 8I09003 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8I09003-DUP1)		**Source: 0804025-50**		Prepared & Analyzed: 09/09/08						
Technetium-99	2.84E-4	2.30E-5	ug/g dry		3.02E-4			6.16	35	
Uranium 238	7.25E-4	5.64E-4	"		7.26E-4			0.209	35	
Post Spike (8I09003-PS1)		**Source: 0804025-50**		Prepared & Analyzed: 09/09/08						
Technetium-99	5.58E-1	N/A	ug/L	5.00E-1	6.04E-2	99.5	75-125			
Uranium 238	6.55E-1	N/A	"	5.00E-1	1.45E-1	102	75-125			
Batch 8I16004 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8I16004-BLK1)				Prepared & Analyzed: 09/22/08						
Iodine-129	<3.78E-4	3.78E-4	ug/g wet							
Duplicate (8I16004-DUP1)		**Source: 0804025-50**		Prepared & Analyzed: 09/19/08						
Iodine-129	<3.78E-4	3.78E-4	ug/g dry		ND				35	
Post Spike (8I16004-PS1)		**Source: 0804025-50**		Prepared & Analyzed: 09/19/08						
Iodine-129	5.03E-1	N/A	ug/L	5.00E-1	1.05E-2	98.5	75-125			
Batch 8I16005 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8I16005-BLK1)				Prepared & Analyzed: 09/19/08						
Iodine-129	<3.78E-4	3.78E-4	ug/g wet							
Duplicate (8I16005-DUP1)		**Source: 0804025-51**		Prepared & Analyzed: 09/22/08						
Iodine-129	<3.92E-4	3.92E-4	ug/g dry		ND				35	

Radionuclides by ICP-MS/Water Extract - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8I16005 - 1:1 Water Extract (ICP/ICPMS)										
Post Spike (8I16005-PS1)		**Source: 0804025-51**		Prepared & Analyzed: 09/22/08						
Iodine-129	4.52E-1	N/A	ug/L	5.00E-1	2.20E-2	90	75-125			
Batch 8I16006 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8I16006-BLK1)				Prepared & Analyzed: 09/19/08						
Iodine-129	<3.78E-4	3.78E-4	ug/g wet							
Duplicate (8I16006-DUP1)		**Source: 0804025-69**		Prepared & Analyzed: 09/22/08						
Iodine-129	<3.77E-4	3.77E-4	ug/g dry		ND				35	
Post Spike (8I16006-PS1)		**Source: 0804025-69**		Prepared & Analyzed: 09/22/08						
Iodine-129	2.35E-1	N/A	ug/L	5.00E-1	2.08E-3	46.6	75-125			

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

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8G10003 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8G10003-BLK1)				Prepared & Analyzed: 07/10/08						
Chromium	<6.40E-3	6.40E-3	ug/g wet							
Copper	<3.48E-3	3.48E-3	"							
Arsenic	<6.25E-3	6.25E-3	"							
Selenium	<1.10E-2	1.10E-2	"							
Silver	<9.25E-4	9.25E-4	"							
Cadmium	<2.95E-4	2.95E-4	"							
Antimony	<5.40E-4	5.40E-4	"							
Lead	<5.60E-4	5.60E-4	"							
LCS (8G10003-BS1)				Prepared & Analyzed: 07/10/08						
Chromium	5.09E0	3.20E-1	ug/g wet	5.00E0		102	80-120			
Copper	4.88E0	1.74E-1	"	5.00E0		97.6	80-120			
Arsenic	5.05E0	3.12E-1	"	5.00E0		101	80-120			
Selenium	4.93E0	5.52E-1	"	5.00E0		98.5	80-120			
Silver	4.94E0	4.62E-2	"	5.00E0		98.8	80-120			
Cadmium	4.92E0	1.48E-2	"	5.00E0		98.5	80-120			
Lead	4.70E0	2.80E-2	"	5.00E0		94.0	80-120			
Duplicate (8G10003-DUP1)		**Source: 0804025-51**		Prepared & Analyzed: 07/10/08						
Chromium	<6.65E-3	6.65E-3	ug/g dry		ND				20	
Copper	1.28E-2	3.61E-3	"		1.12E-2			14.0	20	
Arsenic	<6.49E-3	6.49E-3	"		6.35E-3				20	
Selenium	<1.15E-2	1.15E-2	"		ND				20	
Silver	<9.61E-4	9.61E-4	"		ND				20	
Cadmium	<3.06E-4	3.06E-4	"		ND				20	
Antimony	<5.61E-4	5.61E-4	"		ND				20	
Lead	<5.82E-4	5.82E-4	"		ND				20	

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

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8G10003 - 1:1 Water Extract (ICP/ICPMS)										
Post Spike (8G10003-PS1)		**Source: 0804025-51**		Prepared & Analyzed: 07/10/08						
Chromium	6.25E0	N/A	ug/L	5.00E0	1.16E0	102	75-125			
Arsenic	6.24E0	N/A	"	5.00E0	1.27E0	99.4	75-125			
Selenium	6.61E0	N/A	"	5.00E0	1.73E0	97.5	75-125			
Silver	4.57E0	N/A	"	5.00E0	1.67E-1	88	75-125			
Cadmium	4.86E0	N/A	"	5.00E0	4.23E-2	96.4	75-125			
Antimony	5.11E0	N/A	"	5.00E0	4.88E-2	101	75-125			
Lead	5.19E0	N/A	"	5.00E0	2.30E-2	103	75-125			
Batch 8G10004 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8G10004-BLK1)				Prepared & Analyzed: 07/10/08						
Chromium	<6.40E-3	6.40E-3	ug/g wet							
Copper	<3.48E-3	3.48E-3	"							
Arsenic	<6.25E-3	6.25E-3	"							
Selenium	<1.10E-2	1.10E-2	"							
Silver	<9.25E-4	9.25E-4	"							
Cadmium	<2.95E-4	2.95E-4	"							
Antimony	<5.40E-4	5.40E-4	"							
Lead	<5.60E-4	5.60E-4	"							
LCS (8G10004-BS1)				Prepared & Analyzed: 07/10/08						
Chromium	5.11E0	3.20E-1	ug/g wet	5.00E0		102	80-120			
Copper	4.78E0	1.74E-1	"	5.00E0		95.6	80-120			
Arsenic	4.94E0	3.12E-1	"	5.00E0		98.9	80-120			
Selenium	4.76E0	5.52E-1	"	5.00E0		95.3	80-120			
Silver	4.87E0	4.62E-2	"	5.00E0		97.5	80-120			
Cadmium	4.89E0	1.48E-2	"	5.00E0		97.8	80-120			
Lead	4.75E0	2.80E-2	"	5.00E0		95.1	80-120			

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

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8G10004 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8G10004-DUP1)		**Source: 0804025-69**		Prepared & Analyzed: 07/10/08						
Chromium	<6.40E-3	6.40E-3	ug/g dry		ND				20	
Copper	1.46E-2	3.48E-3	"		1.46E-2			0.639	20	
Arsenic	<6.25E-3	6.25E-3	"		ND				20	
Selenium	1.31E-2	1.10E-2	"		1.24E-2			5.75	20	
Silver	<9.25E-4	9.25E-4	"		ND				20	
Cadmium	<2.95E-4	2.95E-4	"		ND				20	
Antimony	<5.40E-4	5.40E-4	"		ND				20	
Lead	<5.60E-4	5.60E-4	"		ND				20	
Post Spike (8G10004-PS1)		**Source: 0804025-69**		Prepared & Analyzed: 07/10/08						
Chromium	5.23E0	N/A	ug/L	5.00E0	2.43E-1	99.8	75-125			
Arsenic	5.19E0	N/A	"	5.00E0	3.10E-1	97.6	75-125			
Selenium	7.31E0	N/A	"	5.00E0	2.51E0	96	75-125			
Silver	4.38E0	N/A	"	5.00E0	1.01E-1	85.6	75-125			
Cadmium	4.74E0	N/A	"	5.00E0	1.57E-2	94.4	75-125			
Antimony	4.99E0	N/A	"	5.00E0	3.07E-2	99.2	75-125			
Lead	5.30E0	N/A	"	5.00E0	1.36E-2	106	75-125			
Batch 8I11003 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8I11003-BLK1)				Prepared: 09/11/08 Analyzed: 09/17/08						
Chromium	<6.40E-3	6.40E-3	ug/g wet							
Copper	<3.48E-3	3.48E-3	"							
Arsenic	<6.25E-3	6.25E-3	"							
Selenium	<1.10E-2	1.10E-2	"							
Silver	<9.25E-4	9.25E-4	"							
Cadmium	<2.95E-4	2.95E-4	"							
Antimony	<5.40E-4	5.40E-4	"							
Lead	<5.60E-4	5.60E-4	"							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8I11003 - 1:1 Water Extract (ICP/ICPMS)										
LCS (8I11003-BS1)				Prepared: 09/11/08	Analyzed: 09/17/08					
Chromium	5.07E0	6.40E-1	ug/g wet	5.00E0		102	80-120			
Copper	4.60E0	3.48E-1	"	5.00E0		92.1	80-120			
Arsenic	5.01E0	6.25E-1	"	5.00E0		100	80-120			
Selenium	5.40E0	1.10E0	"	5.00E0		108	80-120			
Silver	4.90E0	9.25E-2	"	5.00E0		98.0	80-120			
Cadmium	5.15E0	2.95E-2	"	5.00E0		103	80-120			
Lead	4.93E0	5.60E-2	"	5.00E0		98.7	80-120			
Duplicate (8I11003-DUP1)		**Source: 0804025-50**		Prepared: 09/11/08	Analyzed: 09/17/08					
Chromium	<6.40E-3	6.40E-3	ug/g dry		ND				35	
Copper	8.64E-3	3.48E-3	"		8.38E-3			3.01	35	
Arsenic	<6.25E-3	6.25E-3	"		ND				35	
Selenium	<1.11E-2	1.11E-2	"		ND				35	
Silver	<9.25E-4	9.25E-4	"		ND				35	
Cadmium	6.89E-4	2.95E-4	"		7.19E-4			4.29	35	
Antimony	<5.40E-4	5.40E-4	"		ND				35	
Lead	<5.60E-4	5.60E-4	"		ND				35	
Post Spike (8I11003-PS1)		**Source: 0804025-50**		Prepared: 09/11/08	Analyzed: 09/17/08					
Chromium	5.03E0	N/A	ug/L	5.00E0	3.80E-1	92.9	75-125			
Copper	6.34E0	N/A	"	5.00E0	1.68E0	93.3	75-125			
Arsenic	6.22E0	N/A	"	5.00E0	1.16E0	101	75-125			
Selenium	6.46E0	N/A	"	5.00E0	1.62E0	96.8	75-125			
Silver	5.12E0	N/A	"	5.00E0	3.09E-2	102	75-125			
Cadmium	4.89E0	N/A	"	5.00E0	1.44E-1	95	75-125			
Antimony	5.34E0	N/A	"	5.00E0	6.51E-2	106	75-125			
Lead	5.22E0	N/A	"	5.00E0	3.93E-2	104	75-125			

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

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8I18001 - ASTM D 5198 (ICP/ICPMS)										
Blank (8I18001-BLK1)				Prepared: 09/18/08	Analyzed: 09/24/08					
Chromium	<5.09E-2	5.09E-2	ug/g wet							
Copper	<1.60E-1	1.60E-1	"							
Arsenic	<1.12E-1	1.12E-1	"							
Selenium	<3.06E-1	3.06E-1	"							
Silver	<1.86E-2	1.86E-2	"							
Cadmium	<1.32E-2	1.32E-2	"							
Antimony	<2.13E-2	2.13E-2	"							
Lead	<9.89E-3	9.89E-3	"							
LCS (8I18001-BS1)				Prepared: 09/18/08	Analyzed: 09/24/08					
Chromium	5.96E0	2.51E-1	ug/g wet	5.71E0		104	80-120			
Copper	5.74E0	7.92E-1	"	5.71E0		100	80-120			
Arsenic	5.82E0	5.52E-1	"	5.71E0		102	80-120			
Selenium	5.84E0	1.51E0	"	5.71E0		102	80-120			
Silver	5.68E0	9.16E-2	"	5.71E0		99.5	80-120			
Cadmium	5.83E0	6.49E-2	"	5.71E0		102	80-120			
Antimony	5.73E0	1.05E-1	"	5.71E0		100	80-120			
Lead	5.81E0	4.88E-2	"	5.71E0		102	80-120			
Duplicate (8I18001-DUP1)		**Source: 0804025-51**		Prepared: 09/18/08	Analyzed: 09/24/08					
Chromium	1.18E1	2.02E-1	ug/g dry		1.17E1			1.30	35	
Copper	9.23E0	6.38E-1	"		8.98E0			2.68	35	
Arsenic	3.45E0	4.45E-1	"		3.40E0			1.55	35	
Selenium	<1.22E0	1.22E0	"		ND				35	
Silver	<7.38E-2	7.38E-2	"		ND				35	
Cadmium	6.89E-2	5.23E-2	"		6.60E-2			4.28	35	
Antimony	9.81E-2	8.45E-2	"		1.14E-1			14.8	35	
Lead	3.37E0	3.93E-2	"		3.44E0			1.96	35	

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

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8I18001 - ASTM D 5198 (ICP/ICPMS)										
Post Spike (8I18001-PS1)		**Source: 0804025-51**		Prepared: 09/18/08	Analyzed: 09/24/08					
Copper	2.85E1	N/A	ug/L	5.00E0	2.42E1	85.3	75-125			
Selenium	4.22E0	N/A	"	5.00E0	ND	89.9	75-125			
Cadmium	4.87E0	N/A	"	5.00E0	1.78E-1	93.8	75-125			
Antimony	4.94E0	N/A	"	5.00E0	3.07E-1	92.6	75-125			
Batch 8I18002 - ASTM D 5198 (ICP/ICPMS)										
Blank (8I18002-BLK1)				Prepared: 09/18/08	Analyzed: 09/24/08					
Chromium	<5.25E-2	5.25E-2	ug/g wet							
Copper	<1.65E-1	1.65E-1	"							
Arsenic	<1.15E-1	1.15E-1	"							
Selenium	<3.15E-1	3.15E-1	"							
Silver	<1.91E-2	1.91E-2	"							
Cadmium	<1.36E-2	1.36E-2	"							
Antimony	<2.19E-2	2.19E-2	"							
Lead	<1.02E-2	1.02E-2	"							
LCS (8I18002-BS1)				Prepared: 09/18/08	Analyzed: 09/24/08					
Chromium	6.00E0	7.06E-2	ug/g wet	5.71E0		105	80-120			
Copper	5.76E0	2.29E-1	"	5.71E0		101	80-120			
Arsenic	5.97E0	1.55E-1	"	5.71E0		105	80-120			
Selenium	5.90E0	4.24E-1	"	5.71E0		103	80-120			
Silver	5.87E0	2.57E-2	"	5.71E0		103	80-120			
Cadmium	6.22E0	1.82E-2	"	5.71E0		109	80-120			
Antimony	6.16E0	2.95E-2	"	5.71E0		108	80-120			
Lead	6.02E0	1.37E-2	"	5.71E0		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 8I18002 - ASTM D 5198 (ICP/ICPMS)										
Duplicate (8I18002-DUP1)		**Source: 0804025-69**		Prepared: 09/18/08	Analyzed: 09/24/08					
Chromium	1.16E1	1.93E-1	ug/g dry		1.43E1			20.8	35	
Copper	8.64E0	6.08E-1	"		8.69E0			0.624	35	
Arsenic	2.87E0	4.24E-1	"		2.72E0			5.32	35	
Selenium	<1.16E0	1.16E0	"		ND				35	
Silver	<7.03E-2	7.03E-2	"		ND				35	
Cadmium	6.93E-2	4.98E-2	"		6.44E-2			7.30	35	
Antimony	9.90E-2	8.05E-2	"		1.07E-1			8.11	35	
Lead	2.61E0	3.74E-2	"		2.88E0			9.63	35	
Post Spike (8I18002-PS1)		**Source: 0804025-69**		Prepared: 09/18/08	Analyzed: 09/24/08					
Copper	2.90E1	N/A	ug/L	5.00E0	2.48E1	82.8	75-125			
Selenium	4.24E0	N/A	"	5.00E0	ND	89.9	75-125			
Cadmium	4.95E0	N/A	"	5.00E0	1.84E-1	95.3	75-125			
Antimony	5.11E0	N/A	"	5.00E0	3.07E-1	96.2	75-125			

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 8J07001 - ASTM D 5198 (RadChem)										
Blank (8J07001-BLK1)				Prepared: 10/05/08	Analyzed: 10/06/08					
Gross Beta	<4.11E0	4.11E0	pCi/g wet							
Gross Alpha	<1.76E0	1.76E0	"							
Duplicate (8J07001-DUP1)		**Source: 0804025-51**		Prepared: 10/05/08	Analyzed: 10/06/08					
Gross Beta	<1.63E1	1.63E1	pCi/g dry		ND				35	
Gross Alpha	<6.99E0	6.99E0	"		ND				35	
Batch 8J07002 - ASTM D 5198 (RadChem)										
Blank (8J07002-BLK1)				Prepared: 10/06/08	Analyzed: 10/07/08					
Gross Beta	<4.26E0	4.26E0	pCi/g wet							
Gross Alpha	<1.79E0	1.79E0	"							
Duplicate (8J07002-DUP1)		**Source: 0804025-69**		Prepared: 10/06/08	Analyzed: 10/07/08					
Gross Beta	4.52E1	1.56E1	pCi/g dry		4.26E1			5.91	35	
Gross Alpha	<6.58E0	6.58E0	"		ND				35	

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856 / 299-E33-341	Depth 15-27.5	Date 6/10/08	Sheet 1 of 15
		Location W of BY crib	Project RP-5 Dux11		

Logged by Michelle Volk (Print) Michelle Volk (Sign)

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

Lithologic Class. Scheme Folk - Wentworth Procedure _____ Rev _____

Drilling Contractor _____

Driller _____

Drill Method _____

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C	Z	S	G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
15	G	BHP22	SM					SG- 40% G, 55% sand, 5% Z. poorly sorted. max = 20mm. unbroken G. rounded to sub-rounded S- 70% mafic, G- 70% basalt 2.5Y 5/2 (grayish brown). loose. none to weak rxn to HCl.	G- grab samples from 11 pit
17	G	BHP23	SM					GS gravelly sand 20% G, 75% S, 5% Z. poorly sorted. max=20mm G- 70% basalt, S- 70% mafic G- subrun. to subround. loose 2.5Y 5/2 (grayish brown). no rxn to HCl.	
20	G	BHP24	M					GS gravelly sand 15% G, 80% S, 5% Z, max. part. = 3mm. G- v. fine pebbles. G- 60% basalt. S- 20-30% mafic. G- ang to sub ang. loose. 2.5Y 6/3 (lt. yellowish brown). mod-sorted weak rxn to HCl.	
22.5	G	BHP25	SM					SG- sandy gravel. 25% G, 60% S, 5% Z. mod. sorted. max part. = 5mm. G- v. fine to fine pebbles, ang to sub-ang. G- 60% basalt, S- 20-30% mafic. 2.5Y 6/3 (lt. yellowish brown). loose. weak rxn to HCl.	
25	G	BHP26	M					same as above. max = 5mm. weak rxn to HCl.	
27.5	G	BHP27	M					GS gravelly sand. 15% G, 80% S, 5% Z. mod-sorted. max-part = 5mm. G- fine pebbles, 60% basalt, ang. to sub ang. S- 30% mafic. 2.5Y 5/3 (lt. olive brown). loose.	

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856/299-E33-341	Depth 30-42.5	Date 4/10/08	Sheet 2 of 15
		Location W of BY Crib	Project BP-5 D well		

Logged by Michelle Valencia (Print) Michelle Valencia (Sign) (Print) (Sign)

Reviewed by (Print) (Sign) Date

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

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
30	G	BYT28	SM		Sl. sandy gravel. 35% G, 65% S. poorly sorted. max. part = 10mm. G- 70% basalt, sub ang. to sub rounded. S - 20%, mafic. 2.5Y 6/2 (lt. brownish gray). loose. G - range from v. fine to med pebbles none to weak rxn to HCl.	
32.5	G	BYT29	SM		gs- gravelly sand. 25% G, 70% S, 5% Z poorly sorted. max. part. = 10mm. G- 100% basalt, sub ang to rounded. G - v. fine to med pebbles. S - 30% mafic. loose. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
35	G	BYT30	SM		(g)s- slightly gravelly sand. 10% G, 90% S. mod.-sorted. max. part = 3mm. G - 70% basalt, ang. to sub-ang., v fine pebbles. S 30% mafic. loose. 2.5Y 5/2 (grayish brown). none to weak rxn to HCl.	
37.5	G	BYT31	SM		same as above.	
40	G	BYT32	SM		gs- gravelly sand 20% G, 80% sand. mod-sorted max. part. = 7mm. G- ang to sub round, 70% basalt, v fine to fine pebbles. S 30% mafic. loose. 2.5Y 5/2 (grayish brown). no rxn to HCl.	
42.5	G	BYT33	M		(m)s slightly muddy sand to fine sand, 10% Z. well-sorted max. part. = 3mm trace. G - basalt. S - 20%. 2.5Y 6/3 (lt. yellowish brown). mod rxn to HCl. loose	

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5854/299 E33 341	Depth 45-57.5	Date 6/11/02	Sheet 3 of 15
		Location W of BY Cribs	Project BP-5 D well		

Logged by Michelle Lakeina Michelle Valle (Print / Sign) | (Print / Sign)

Reviewed by _____ (Print / Sign) Date _____

Lithologic Class. Scheme Folk - Wentworth Procedure _____ Rev _____

Drilling Contractor _____

Driller _____

Drill Method _____

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
45	G	BITNW2	SM		(g)S- slightly gravelly sand. 20% G, 80% S. max. part. = 4mm. mod-sorted. G- ang. to sub ang., 70% basalt. S- 30% mafic. 2.5Y 6/2 (lt. brownish gray) loose. weak rxn to HCl. G-v fine particles.	
47.5	G	BITNW3	SM		same as above. 15% G, 85% S. max. part - 4mm mod-sorted.	
50	G	BITNW4	SM		same as above.	
52.5	G	BITNW5	M		(m)S- slightly muddy sand. 90% fine sand, 10% Z. well sorted. max. part -- med. sand. 20% mafic. 2.5Y 6/3 (lt. yellowish brown). loose. weak rxn to HCl.	
55	G	BITP31	SM		(g)S- slightly gravelly sand. 5% G, 95% S. mod. sorted max. part. = 3mm G- 70% basalt, ang. S- 30% mafic. 2.5Y 6/2 (lt. brownish gray). loose. weak rxn to HCl.	
57.5	G	BITP32	SM		S- sand 5% G 90% S, 5% Z. mod-sorted. max. part. = 2mm. G- 90% basalt, angular. S- 30% mafic. 2.5Y 7/2 (light gray). weakly cemented aggregates- mod rxn to HCl.	

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856 / 299-E33-341	Depth 60-72.5	Date 6/11/08	Sheet 4 of 15
		Location W of BY cribs	Project BP-5 Dwell		

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

Reviewed by (Print) (Sign) Date

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C	Z	S	G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
								Same as above.	
60	G	BITP33	SM						
								gs- slightly gravelly sand. 20% G, 75% S 5% Z, mod-sorted. G- max = 7mm, 70% basalt, angular. S- 30% mafic. G- mainly is v. fine pebble. 2.5Y 7/2 (light gray). loose. weak rxn to HCl.	
62.5	G	BITP34	SM						
								S- 5% G, 90% fine to med. sand, 5% Z, mod-sorted. G- max = 3mm, 80% basalt, ang. S- 20% mafic. 2.5Y 7/2 (light gray). weakly consol. aggregates- strong rxn to HCl, S- mod. rxn to HCl.	
65	G	BITP35	SM						
								(g)S- slightly gravelly sand. 10% G, 85% S, 5% Z, mod-sorted. G mix. max = 4mm, sub-r to sub ang, 80% basalt, S- 20% mafic. 2.5Y 7/2 (light gray). some weakly consol aggregates	
67.5	G	BITP36	SM						
								Same as above. G max = 8mm. little aggregates.	
70	G	BITP37	SM						
								S- 5% G, 90%, 5% Z. max = 3mm. G = 60% basalt, sub ang. to ang. S- 20% mafic. 2.5Y 7/2 (light gray). loose - weakly cemented aggregates- strong rxn to HCl. S- weak rxn to HCl.	
72.5	G	BITP38	SM						

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No (585x/2X1 E33-341	Depth 75-87.5	Date 6/16-6/11/08	Sheet 5 of 15
		Location W of B-Y Cribs	Project BP-5 Dwell		

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

Reviewed by _____ Date _____

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

Drilling Contractor _____

Driller _____

Drill Method _____

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
75	G	BITP39	SM		S 5% G, 90% S, 5% Z. max part. = 2mm, mod-sorted S-10% mafic. 2.5Y 7/3 (pale yellow). loose weak rxn to HCl.	
77.5	G	BITP40	SM		S 95% sand, 5% Z. max-part = mid sand well sorted. S-10% mafic. loose. 2.5Y 7/3 (pale yellow). weak rxn to HCl.	
80	G	BITP41	SM		same as above.	
82.5	G	BITP42	SM		same as above	
85	G	BITP43	M		S 90% v.fine to fine sand, 10% Z. trace gravel. max part. = 5mm. G - basalt, ang. to sub-ang mod-sorted. 2.5Y 5/3 (lt. olive brown) some slight compaction - weakly consol. aggregates - mod rxn to HCl. S - weak rxn to HCl.	
87.5	G	BITP44	SM		G/S - slightly gravelly sand. 10% G, 90% Sand. max part = 3mm. G - v.fine pebbles, 70% basalt, ang. to sub-ang. S-30% mafic loose. 2.5Y 6/2 (lt. brownish gray). mod-sorted. weak rxn to HCl	

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856/ 299-E33-341	Depth 90-102.5	Date 6/11/08	Sheet 6 of 15
		Location W of BY Crib	Project BP-5 D well		

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

Reviewed by (Print) (Sign) Date

Lithologic Class. Scheme Folk - Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C	Z	S	G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
90	G	BITP45	SM					gS - gravelly sand. 15% G, 85% S. mod sorted. G max part = 6mm, 70% basalt, ang to sub ang, v. fine to fine pebbles. S - 30% mafic. 2.5Y 6/2 (lt. brownish gray). loose. weak rxn to HCl.	
92.5	G	BITP46	SM					S - sand. 5% G, 90% fine to coarse sand, 5% Z mod sorted max part = 5mm. G - 50% basalt, ang. to sub. ang., bulk of G, v. fine pebbles. S - 10% mafic. loose. 2.5Y 7/2 (lt. gray). mod cemented aggregates. Strong rxn to HCl.	
95	G	BITP47	SM					(g)S - slightly gravelly sand 10% G, 90% med to v. coarse sand max part = 5mm. G - 80% basalt, ang to sub ang, S - 10% mafic. G - primarily v. fine pebbles. loose. 2.5Y 6/2 (lt. brownish gray) weak rxn to HCl.	
97.8	G	BITP48	SM					same as above. weak rxn to HCl.	
100	G	BITP49	SM					gS - gravelly sand. 30% G, 70% med to v. coarse sand. max part = 4mm G - v. fine pebbles, 60% basalt, ang to sub ang. S - 30% mafic. loose. 2.5Y 6/2 (lt. brownish gray).	
102.5	G	BITP50	D					(g)S Slightly gravelly sand 10% G, 85% v. fine to fine sand, 5% Z. max part = 5mm. G - 60% basalt, ang., v. fine to fine pebbles. S - 10% mafic. 2.5Y 7/1 (lt. gray). mod. cemented aggregates w/ laminations - strong rxn to HCl. S - weak rxn to HCl.	

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No 52541 BH-E33-241	Depth 105-117.5	Date 6/11/02	Sheet 7 of 15
		Location W of B-X crib	Project PP-5 Dwell		

Logged by Michelle Vakim (Print) Michelle Vakr (Sign) | (Print) (Sign)

Reviewed by (Print) (Sign) Date

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C	Z	S	G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
105	G	BHPS1	SM					S- sand, 95% v.fine-to fine sand 5% Z. max prt. = med. sand. well-sorted. s- 10% mafic 2.5Y 4/3 (lt. yellowish brown). weakly consol. aggregates - mod. rxn to HCl. S: weak rxn to HCl.	
107.5	G	BHPS2	SM					S- sand. 5% G, 95% med to v. coarse sand max. prt - 3mm G - 50% basalt, ang, v.fine pebbles. S- 20% mafic loose. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
110	G	BHPS3	SM					S- 95% coarse to v. coarse sand 5% G. max prt. = 3mm. G- v.fine pebbles, 60% basalt, ang. S- 30% mafic loose. 2.5Y 5/2 (grayish brown). mod-sorted. none to weak rxn to HCl.	
112.5	G	BHPS4	SM					S- 5% G, 90% v.fine to v.coarse sand, 5% Z. max. prt: 3mm. G- 50% basalt, ang., v. fine pebbles. S- 10% mafic. loose, w/some mod. consol. aggregates. - strong rxn to HCl. 2.5Y 7/2 (lt gray). S- weak rxn to HCl	
115	G	BHPS5	SM					(a) S: slightly gravelly sand 10% G, 85% v.fine to v.coarse sand, 5% Z. max. prt. = 3mm. G- v.fine pebbles, ang, 50% basalt. S: 20% mafic. 2.5Y 7/2 (lt. gray) S- weak rxn to HCl. loose.	
								Same as above.	
117.5	G	BHPS6	SM						

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856/2-19-633-341	Depth 120-132.5	Date 6/11/08	Sheet 8 of 15
		Location W of BY Crib	Project BP-5 D well		

Logged by Michelle Vakina, Michelle Valko (Print / Sign) | (Print / Sign)

Reviewed by (Print / Sign) Date

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
120	G	BITP57	SM		S-sand. trace gravel, 95% fine to v. coarse sand, 5% g. max part. = 3mm. G- 40% basalt, ang to sub ang., v. fine pebbles. S 20% mafic. loose, 2.5Y 7/2 (lt. gray). mod. cemented aggregates- strong rxn to HCl. S- weak rxn to HCl.	
122.5	G	BITP58	SM		S-sand. med to v. coarse sand trace gravel. max. part = 3mm. S-30% mafic. loose. 2.5Y 6/2 (lt. brownish gray). mod. sorted	
125	G	BITP59	SM		S- 5% G, 95% med. to v. coarse sand, max part = 3mm. G- v. fine pebbles, 60% basalt, ang. to sub. ang. S-30% mafic loose. 2.5Y 6/2 (lt. brownish gray). mod. sorted. weak rxn to HCl.	
127.5	G	BITP60	SM		gS- gravelly sand. 20% G, 80% fine to v. coarse sand max part. = 3mm. most G v. fine pebbles. G- 70% basalt, ang to sub ang. S 40% mafic. loose. 2.5Y 6/2 (lt. brownish gray). none to weak rxn to HCl. mod-sorted.	
130	G	BITP61	SM		S trace G, fine to coarse sand. max. part = 3mm. S- 30% mafic. loose. 2.5Y 6/2 (lt. brownish gray). mod-sorted. weak rxn to HCl.	
132.5	G	BITP62	SM		(g)S- slightly gravelly sand. 10% G, 85% fine to v. coarse sand 5% g. max part. = 3mm. G- 50% basalt, v. fine pebbles, ang to sub ang. loose sand. 2.5Y 6/2 (lt. brownish gray). mod-sorted. strong consol. aggregates - mod. rxn to HCl. S- weak rxn to HCl.	

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

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856/2P E33 341	Depth 135-147.5	Date 6/11/08	Sheet 9 of 15
		Location W of BY crib	Project BP-5 Drill		

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

Reviewed by _____ (Print / Sign) Date _____

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

Drilling Contractor _____

Driller _____

Drill Method _____

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C	Z	S	G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
135	G	BITP63	SM					S-Silt. 5% G, 90% fine to v. coarse sand 5% Z. max part = 3mm G-ang. to sub ang., v. fine pebbles, 70% basalt, S-20% mafic. loose sand-some aggregates-strong consol. 2.5Y 6/2 (lt. brownish gray).	
137.5	G	BITP64	SM					gS-, gravelly sand. 15% G, 80% fine to v. coarse sand, 5% Z. max part = 5mm. G-primarily v fine pebbles 60% basalt. S-20% mafic. loose. mod. sorted. 2.5Y 6/2 (lt. brownish gray).	
140	G	BITP65	SM					Same as above. Max. part = 5mm. G- v fine to fine pebbles weak rxn to HCl.	
142.5	G	BITP66	SM					S-sand. 5% G, 90% fine to v. coarse S, 5% Z max. part = 4mm G- v. fine pebbles, 60% basalt, ang to sub. ang. S-20% mafic. loose. 2.5Y 6/2 (lt. brownish gray). weakly consol aggregates - mod. rxn to HCl. S-weak rxn to HCl.	
145	G	BITP67	SM					gS-gravelly sand. 20% G, 80% fine to v. coarse sand max part = 5mm G- v. fine to fine pebbles, 60% basalt, ang to sub ang. S-20% mafic. 2.5Y 6/2 (lt. brownish gray). mod. cemented aggregates-strong rxn to HCl. S-weak rxn to HCl.	
147.5	G	BITP68	SM					SG-sandy gravel. 30% G, 70% fine to v. coarse S. max. part = 5mm. G-primarily v. fine pebbles, 70% basalt, ang to sub. round. S-30% mafic. 2.5Y 6/2 (lt. brownish gray). loose. small aggregate-weakly consol.-strong rxn to HCl. S-weak rxn to HCl.	

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856/299-E33-341	Depth 150-157.5	Date 1/11/08	Sheet 10 of 15
		Location W of BY crib	Project BP-5 Dwell		

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

Reviewed by _____ Date _____

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

Drilling Contractor _____

Driller _____

Drill Method _____

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C	Z	S	G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
150	G	BITP69	SM					gs- gravelly sand 20% G, 75% v. fine to v. coarse S, 5% Z. max part = 4mm. G- 50% basalt, ang. to sub round, v. fine pebble. S- 20% mafic. 2.5Y 7/2 (lt. gray). strongly cemented aggregates- lamination on the inside - strong rxn to HCl. S- weak rxn to HCl.	
152.5	G	BITP70	SM					(m)sgS- slightly muddy gravelly sand. 30% G, 60% fine to v. coarse sand, 10% Z. max. part. = 5mm. G- 60% basalt, v. fine to fine pebbles, ang. to sub ang. 2.5Y 6/2 (lt. brownish gray). aggregates- strongly consol. poorly sorted.	
155	G	BITP71	SM					(m)(g)S slightly gravelly sand. 10% G, 80% v. fine to v. coarse sand, 10% Z. max part. = 4mm. G- v. fine pebbles, 60% basalt, ang. to sub-ang. S- 10% mafic. 2.5Y 6/2 (lt. brownish gray). aggregates mod. consol- laminations. poorly sorted. S + agg - mod rxn to HCl.	
157.5	G	BITP72	SM					gS- gravelly sand. 30% G, 70% fine to v. coarse sand. max part. = 7mm. G- 60% basalt, v fine to fine pebbles, ang to sub. ang. S- 30% mafic. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856/299-E33-341	Depth 160-172.5	Date 6/12/08	Sheet 11 of 15
		Location W of BY crib	Project BP-5 Dwell		

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

Reviewed by (Print) (Sign) Date

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
160	G	BITP73	SM		(g)S- slightly gravelly sand. 10% G, 90% fine to v. coarse sand. max. part = 8mm. G- v. fine & fine pebbles, 60% basalt, ang- to sub-round c/ 20% mafic loose. 2.5Y 7/2 (lt. gray). weak rxn to HCl. mod-sorted	
162.5	G	BITP74	SM		(g)S- slightly gravelly sand. 5% G, 90% v. fine to coarse sand, 5% Z. max. part = 7mm. G- 60% basalt, ang- to sub round, v. fine to fine pebbles. S- 10% mafic. loose. 2.5Y 6/2 (lt. brownish gray) weak rxn to HCl.	
165	G	BITP75	SM		Same as above max. part = 5mm G- primarily v. fine pebbles, mod. consol. aggregates- mod. rxn to HCl S- weak rxn to HCl.	
167.5	G	BITP76	SM		gS- gravelly sand 15% G, 85% v. fine to v. coarse fine S. max. part = 5mm. G- ang. to sub-ang. 70% basalt, v. fine to fine pebbles. S- 20% mafic. loose. 2.5Y 6/2 (lt. brownish gray). mod-sorted. weak rxn to HCl.	
170	G	BITP77	SM		(g)S- slightly gravelly sand. 10% G, 90% fine to v. coarse S. max. part = 5mm. G- 70% basalt, ang- to sub-round, v. fine to fine pebbles S- 20% mafic. loose. 2.5Y 6/2 (lt. brownish gray) mod-sorted. aggregates- mod to strong consol- strong rxn to HCl S- weak rxn to HCl.	
172.5	G	BITNW6	SM		gS- gravelly sand. 30% G, 70% fine to v. coarse sand. max. part = 5mm. G- v. fine to fine pebbles, 70% basalt, ang. to sub-ang. S- 40% mafic. 2.5Y 5/2 to 6/2 (lt. brownish gray to grayish brown) loose. mod-sorted. weak rxn to HCl	

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856/299-E33-341	Depth 175-187.5	Date 6/12/08	Sheet 12 of 15
		Location W of BY crib	Project BP-5 DWCII		

Logged by Michelle Valerma Michelle Valero (Print / Sign) | (Print / Sign)

Reviewed by (Print / Sign) Date

Lithologic Class. Scheme Folk - Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C	Z	S	G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
175	G	BITNW7	SM					(m)(g)S: slightly muddy sl. gravelly sand. 20% G, 60% v. fine to coarse S, 10% Z. max part = 7mm. G - v. fine to fine pebbles, 70% basalt, ang. to sub-ang. S - 20% mafic, loose. 2.5Y 6/2 (lt. brownish gray). poorly sorted. mod consol - agg rg. - strong rxn to HCl. S - weak rxn HCl.	
177.5	G	BITNW8	SM					gS: gravelly sand. 25% G, 75% fine to v. coarse S. max part = 6mm. G - v. fine to fine pebbles, ang. to sub-round. 70% basalt, S - 30% mafic, loose. mod. sorted 2.5Y 6/2 (lt brownish gray).	
180	G	BITP78	G					(m) g S: slightly muddy gravelly sand. 20% G, 75% fine to v. coarse sand, 5% Z. max. part = 5mm. G - bulk - v. fine pebble, 70% basalt, ang. to sub-round. S - 20% mafic. loose. poorly sorted. 2.5Y 7/2 (lt. gray). small agg - mod consol - strong rxn to HCl. S - weak rxn to HCl.	
182.5	G	BITP79	SM					S - 5% G, 95% v fine to v. coarse sand. max part = 4mm. G - v. fine pebbles, 60% basalt, ang to sub-ang. S - 30% mafic. loose. mod - sorted. 2.5Y 6/2 (lt. brownish gray). mod. rxn to HCl.	
185	G	BITP80	SM					gS - gravelly sand. 20% G, 80% v fine to v. coarse sand max. part = 10mm. G - primarily v. fine to fine pebbles, 70% basalt, ang. to sub-round. S - 20% mafic. loose. poorly sorted. 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	
187.5	G	BITP81	SM					same as above. max. part = 10mm G - very fine to med pebbles, i.e. basalt	

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856/299-E33-341	Depth 190-202.5	Date 6/12/08	Sheet 13 of 15
		Location W of BY crib	Project BY-5 Dwell		

Logged by Michele Valerie Michelle Valle (Print / Sign) | (Print / Sign)

Reviewed by (Print / Sign) Date

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
190	G	BITP82	SM		lmgS - sl. muddy gravelly sand. 25% G, 60% v. fine to fine sand, 10% Z. max. part = 15mm. G - sub-round to round, 90% basalt, primarily med. pebbles. S 10% mafic. 2.5Y 5/2 (grayish brown) loose & strong compaction w/ mud, sand + pebbles, Z weak to no rxn to HCl. S - weak rxn to HCl. poorly sorted.	
192.5	G	BITP83	SM		msG - muddy sandy gravel. 40% G, 55% fine sand, 5% Z. max. part = 15mm. G - 40% basalt, sub-ang to round, v fine to med pebbles. S 20% mafic. loose. poorly sorted. 2.5Y 6/2 (lt. brownish gray). no rxn to HCl.	
195	G	BITP84	SM		msG - muddy sandy gravel. 40% G, 40% v fine sand, 20% Z. max. part = 25mm. G - sub-ang to round, 60% basalt, fine to coarse pebbles. 2.5Y 6/2 (lt. brownish gray). no rxn to HCl. loose - due compacted aggregate.	
197.5	G	BITNW9	SM		same as above, max. part = 20mm. G - fine to coarse pebbles.	
200	G	BITNX0	SM		msG - muddy sandy gravel. 60% G, 30% v fine sand, 10% Z. max. part = 25mm. G - broken - 50% basalt, sub-ang to round, v. fine to coarse pebbles. 2.5Y 6/2 (lt. brownish gray) loose. no rxn to HCl.	
202.5	G	BITNX1	D		same as above. max. part = 15mm. G - v. fine to med. pebbles. 2.5Y 6/1 (gray).	

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856/ 299-E33-341	Depth 205-217.5	Date 6/12/02	Sheet 14 of 15
		Location W of BY Crib	Project BP-5 D well		

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

Reviewed by (Print) (Sign) Date

Lithologic Class. Scheme Folk - Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C	Z	S	G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
205	G	BIFNX2	D					MSG - muddy sandy gravel. Lots G, 30% Sand, 10% Z. max. part = 30mm. G - sub round to round, 60-70% basalt, v. fine to coarse pebbles. S - 10% mafic. 2.5Y 7/1 (lt. gray). loose. poorly sorted	
207.5	G	BIFNX3	D					MSG - 50% G, 45% Sand, 5% Z. max. part. = 15mm G - sub-round to sub-ang., 80% basalt, v fine to coarse pebbles. S - 20% mafic. loose. poorly sorted. 2.5Y 6/1 (gray). weak to no rxn to HCl.	
210	G	BIFP85	D					same as above max. part = 6mm.	
212.5	G	BIFP86	SM					same as above - max part. = 10-15mm. 2.5Y 6/2 (lt. brownish gray)	
215	G	BIFP87	D					Same as above. max. part = 20mm. G - brown pieces 2.5Y 6/1 (gray)	
217.5	G	BIFP88	D					Same as above. lots of broken gravel. max. part = 20mm.	

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

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Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856/299-E33-341	Depth 220-232.5	Date 6/12/17	Sheet 15 of 15
		Location W of BY cribs	Project BP-5 Drill		

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

Reviewed by (Print) (Sign) Date

Lithologic Class. Scheme Folk-Wentworth Procedure Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C	Z	S	G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
220	G	BITP89	SM					gS-gravelly sand. 25% G, 75% fine to v. coarse sand max part = 10mm G-60% basalt, sub-round to sub-ang., v. fine to med. pebbles. S-20% mafic. loose. poorly sorted. 2.5Y 6/2 (lt brownish gray). no rxn to HCl.	
222.5	G	BITP90	SM					sG-sandy gravel. 35% G, 60% fine sand, 5% Z. max part = 10-15mm G-50% basalt, subang to sub. rounded, v. fine to med. pebbles. S-10% mafic. loose. poorly sorted 2.5Y 7/2 to 6/2 (lt. gray to lt. brownish gray).	
225	G	BITP91	D					msG-muddy sandy gravel. 40% G, 50% fine sand, 10% Z. max. part = 10mm. G-80% basalt, sub ang to sub-round, v fine to med pebbles. S-10% mafic. poorly sorted. loose 2.5Y 7/1 (lt. gray)	
227.5	G	BITP92	SM					gS-gravelly sand 20% G, 75% S, 5% Z. max. part = 10mm. G-sub-round, 80% basalt, v. fine to med. pebbles S-10% mafic. loose. poorly sorted. 2.5Y 7/2 (lt. gray). no rxn to HCl.	
230	G	BITP93	W					msG-muddy sandy gravel. 70% G, 20% S, 10% Z. max. part = 15mm G-60% basalt, sub ang. to sub-round, v. fine to med pebbles poorly sorted. loose. 2.5Y 4/1 (dark gray).	
232.5	G	BITP94	W					Same as above. max part = 10mm. 2.5Y 3/1 (v. dark gray).	

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

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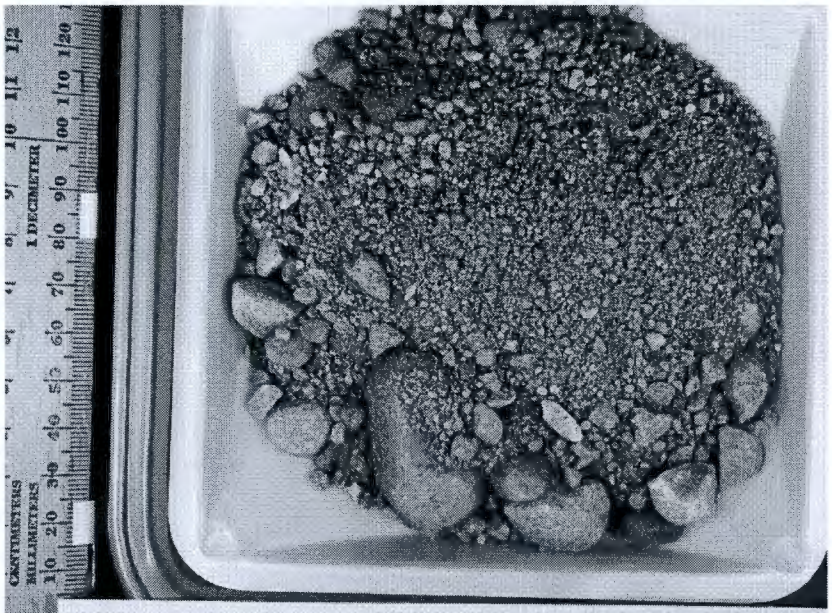

C5856 B1TP22 15.0 to 50.0 ft Grab

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

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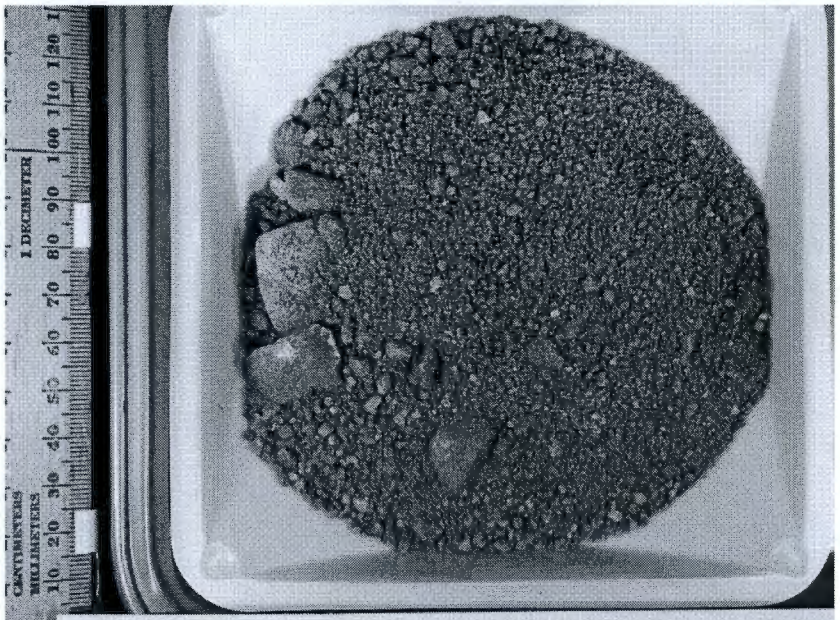

C5856	B1T	7.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

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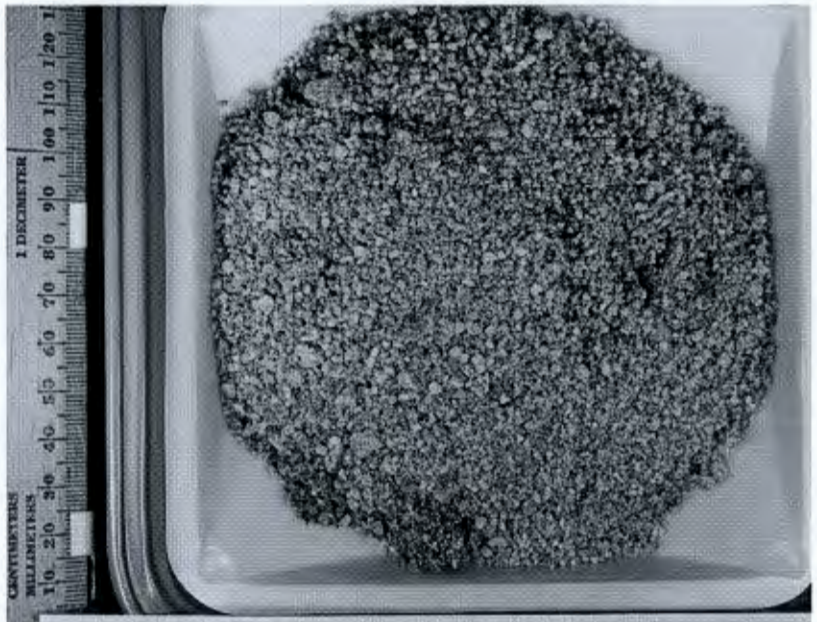
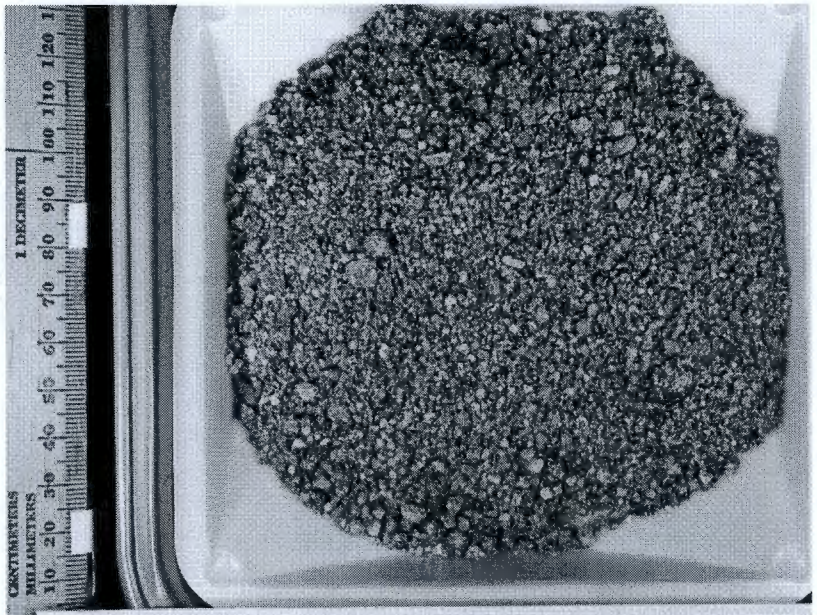
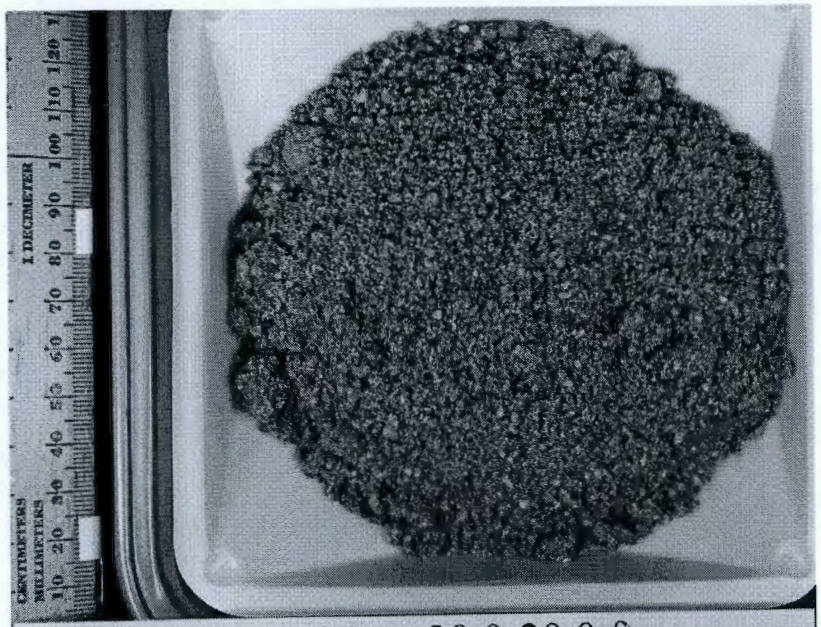


C5856 B1 [illegible] ft Grab

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



C5856	B1T	12.0-13.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample



C5856	B1TP24	100.7-100.8 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

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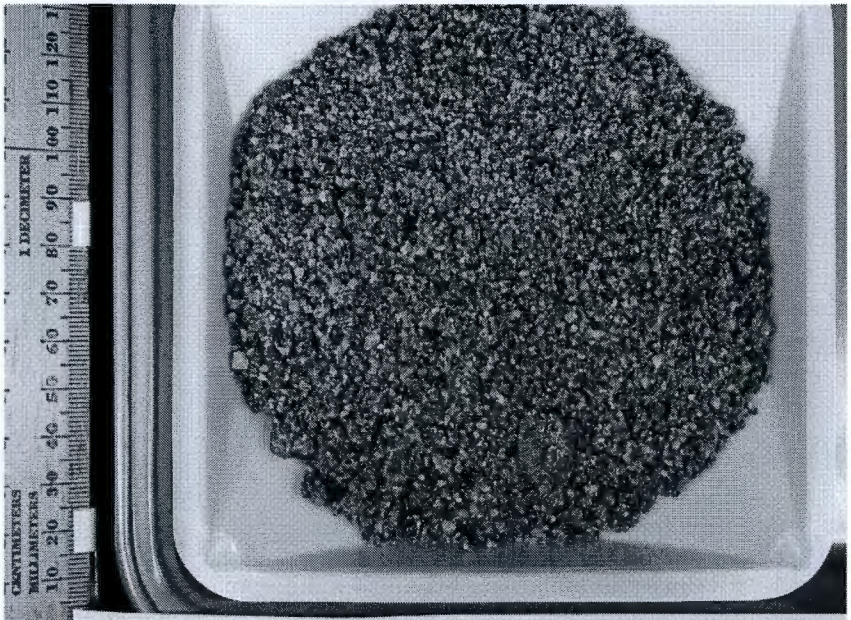
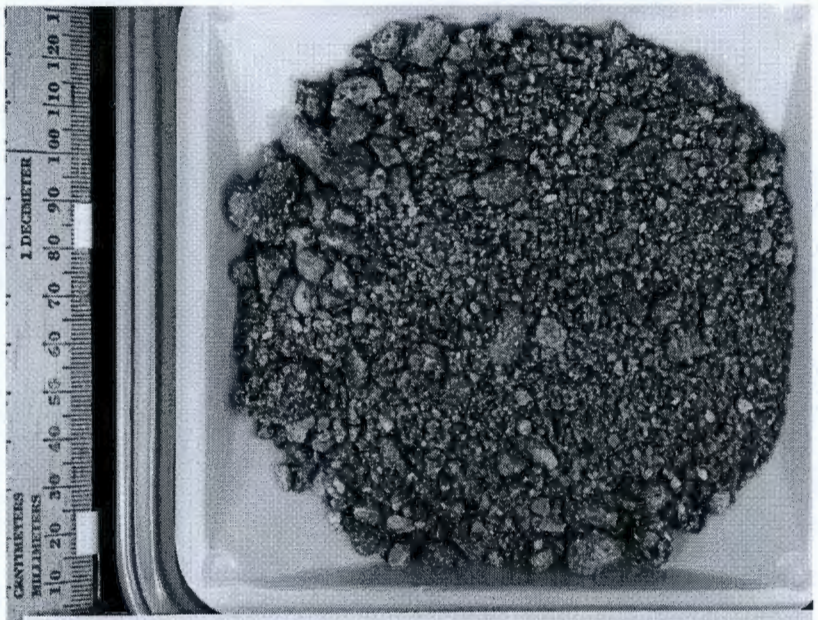


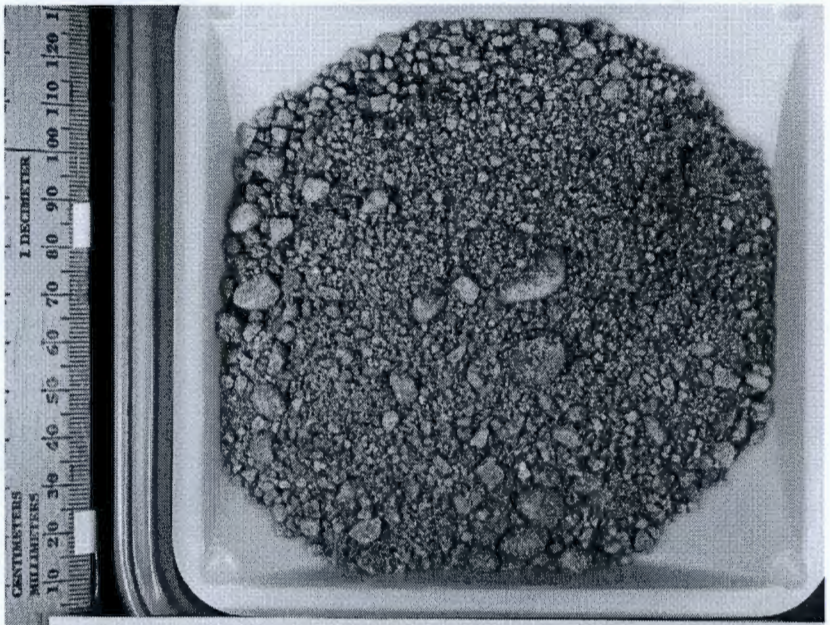
C5856 B1TP2 114.5 ft Grab

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

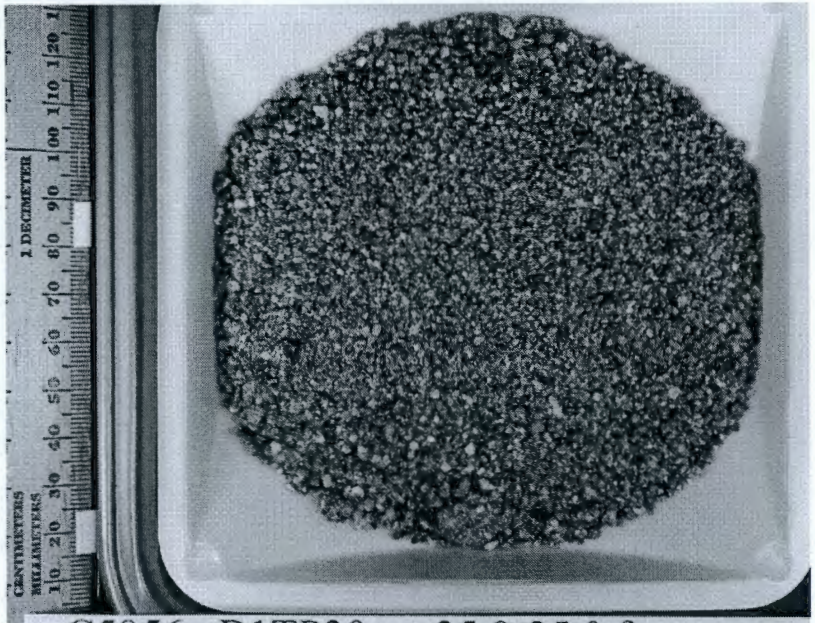


C5856 B1TP28 [illegible] ft Grab

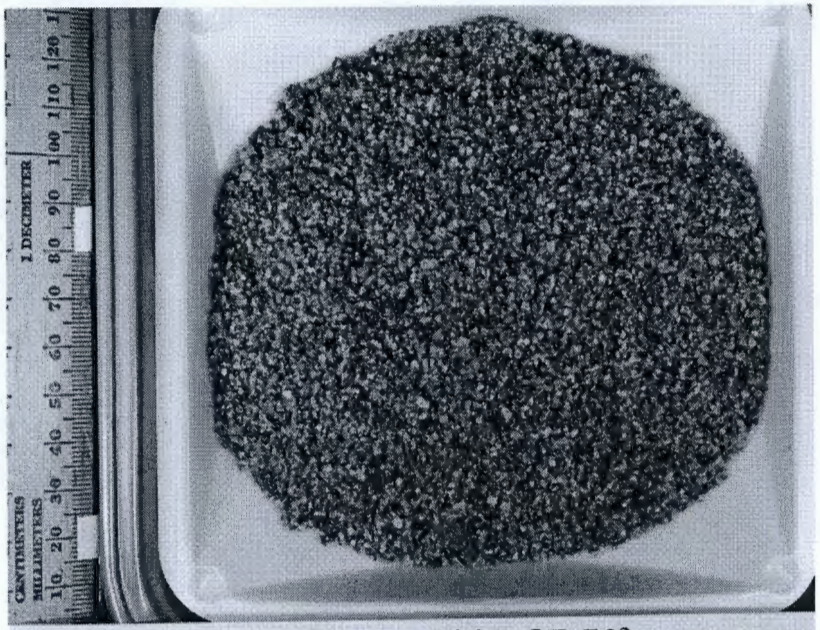
Borehole ID Sample Number Depth from Chain-of-Custody Sample



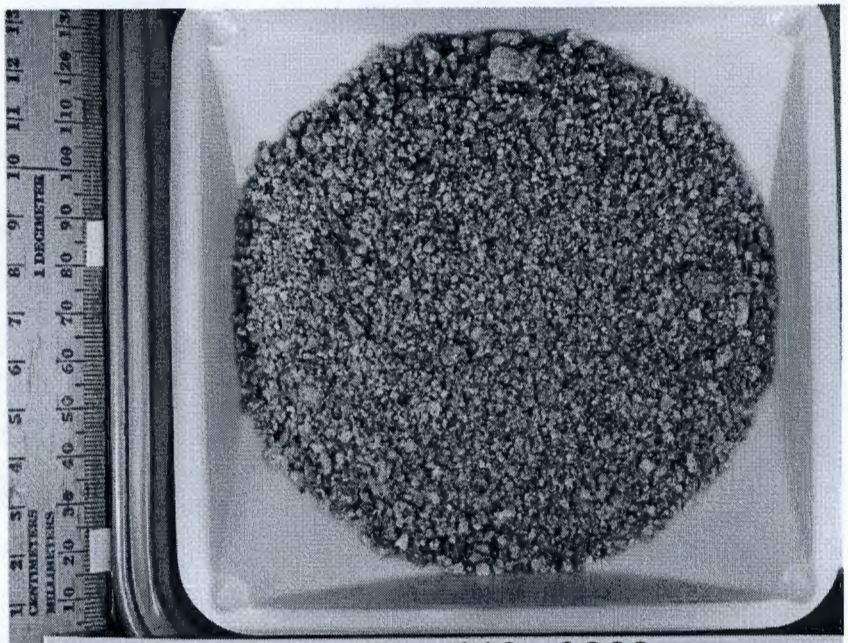
Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1T	32.9-32.9 ft	Grab Sample



C5856	B1TP30	315.0-315.5ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

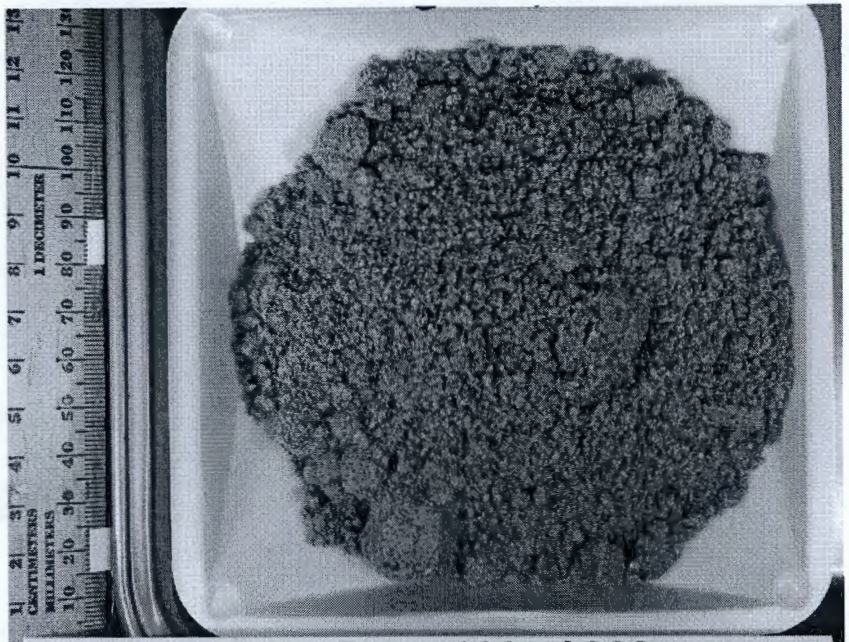


Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TN	3.83ft	Grab Sample



C5856 B1TNW 40.0-40.0 ft Grab

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



Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TNW	41.5-42.5ft	Grab Sample

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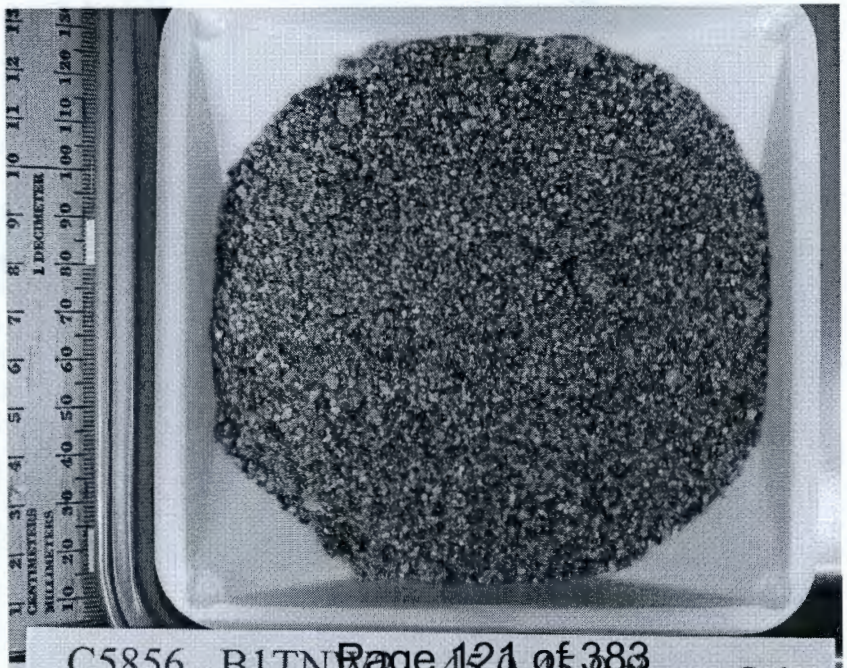

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TNW2	43.0-45.0 ft	Grab Sample

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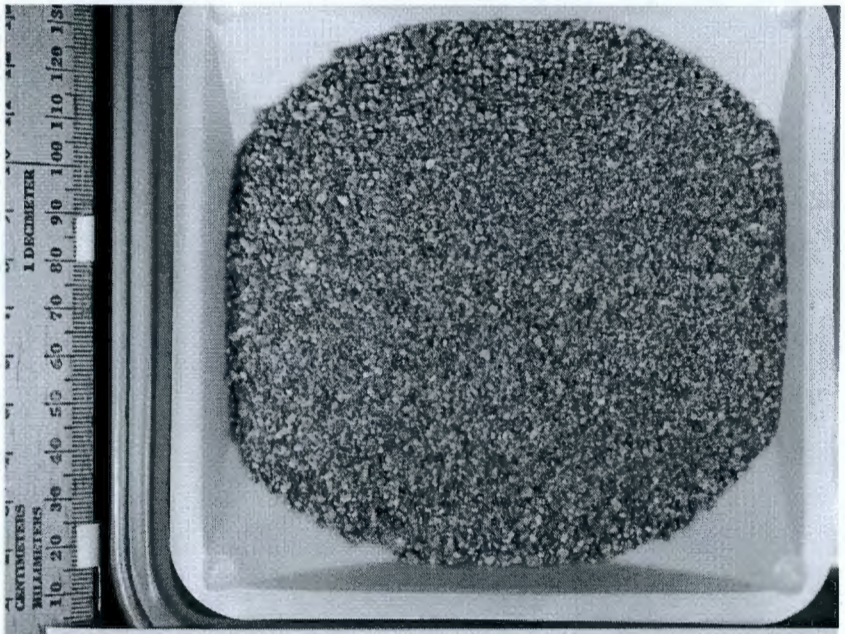
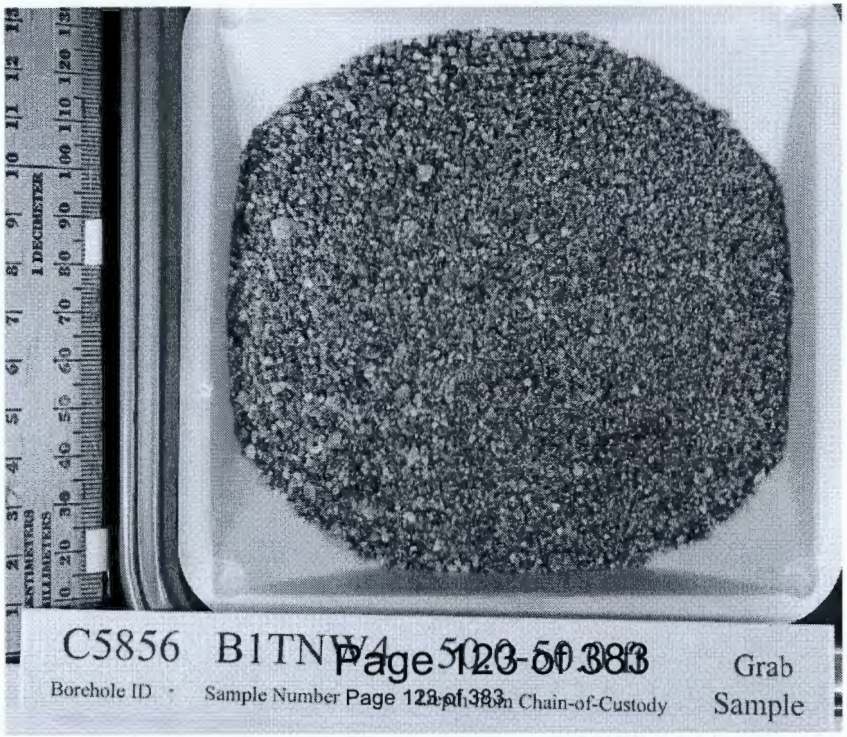


C5856 B1TN 42.5-43.5 ft Grab

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



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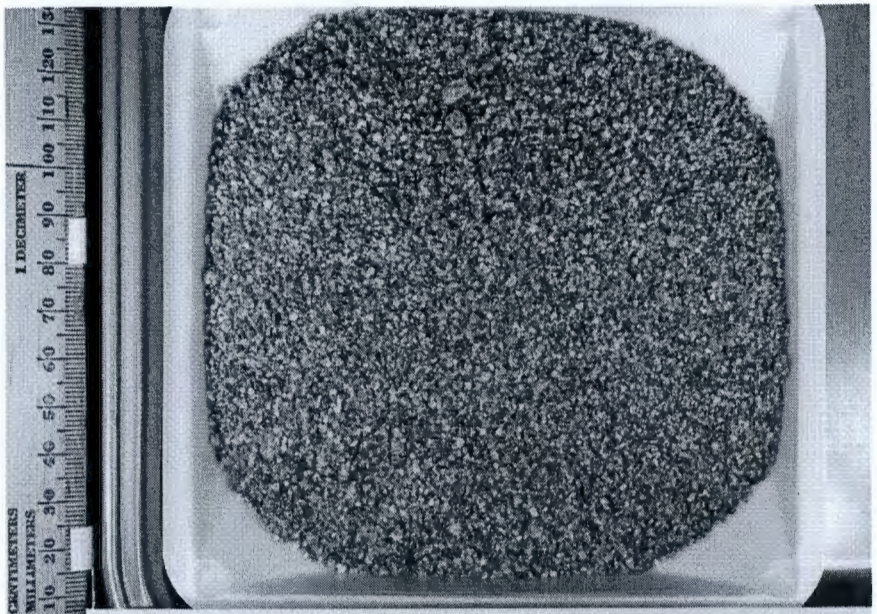
CENTIMETERS
MILLIMETERS
1 DECIMETER
C5856
B1TNW5
1224.5-1225.3ft
Grab
Borehole ID
Sample Number
Depth from Chain-of-Custody
Sample



Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP31	55.0-55.0 ft	Grab Sample

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C5856 B1TB32 57.5-57.85 ft Grab

Borchole ID Sample Number from Chain-of-Custody Sample

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C5856 B1TP33 60.0-60.0 ft Grab Sample

Borehole ID Sample Number from Chain-of-Custody

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C5856 B1TP34 62.5-63.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

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C5856 B1TP35 65.0-65.0 ft Grab

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

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C5856 B1TP36 67.5-67.5 ft Grab

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

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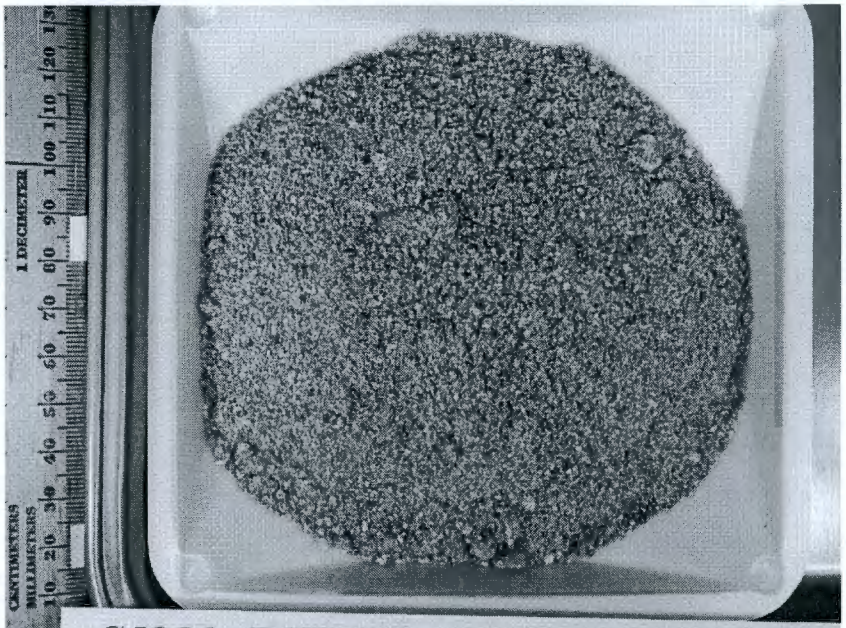

C5856 B1TP37 70.0-70.0ft Grab

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

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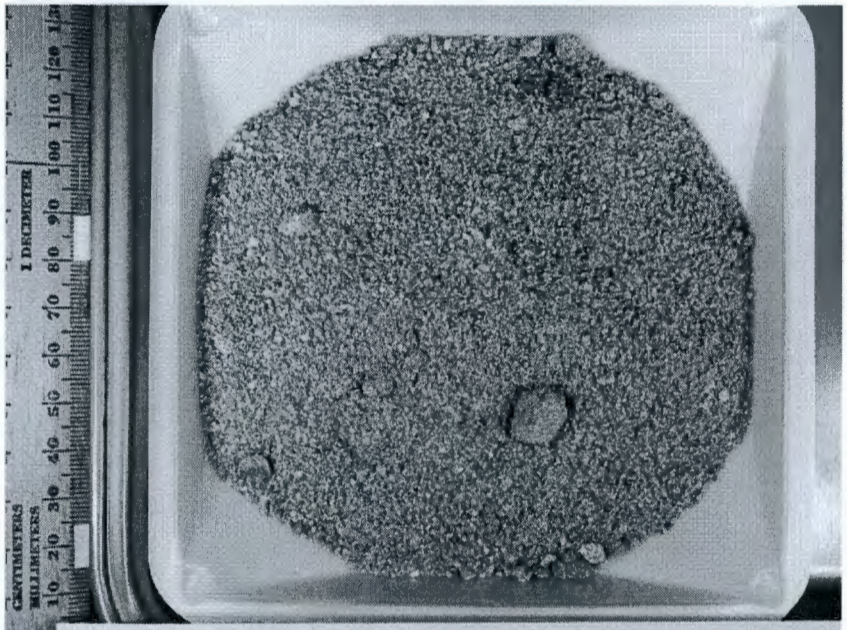

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP8	13.25 to 13.83 ft	Grab Sample

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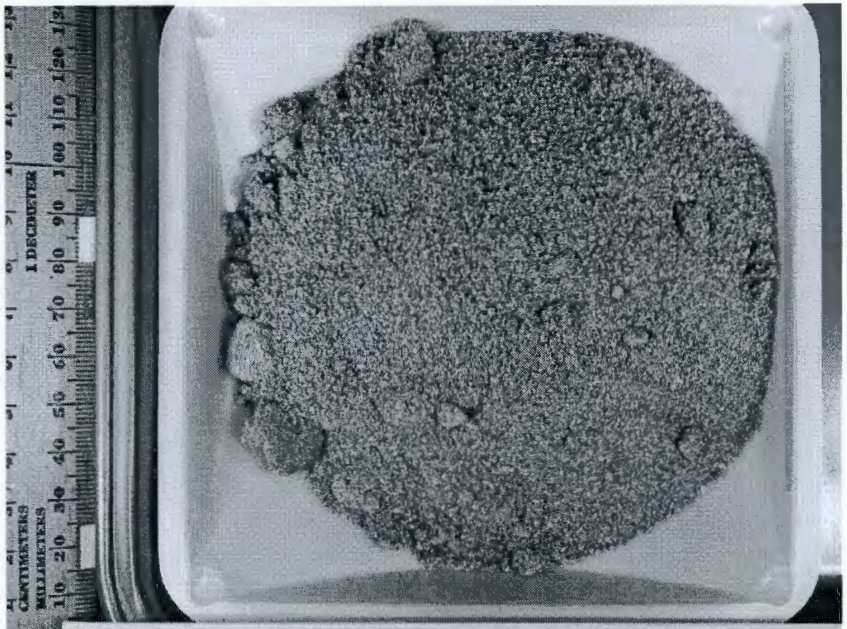

C5856 B1T [illegible] ft Grab

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

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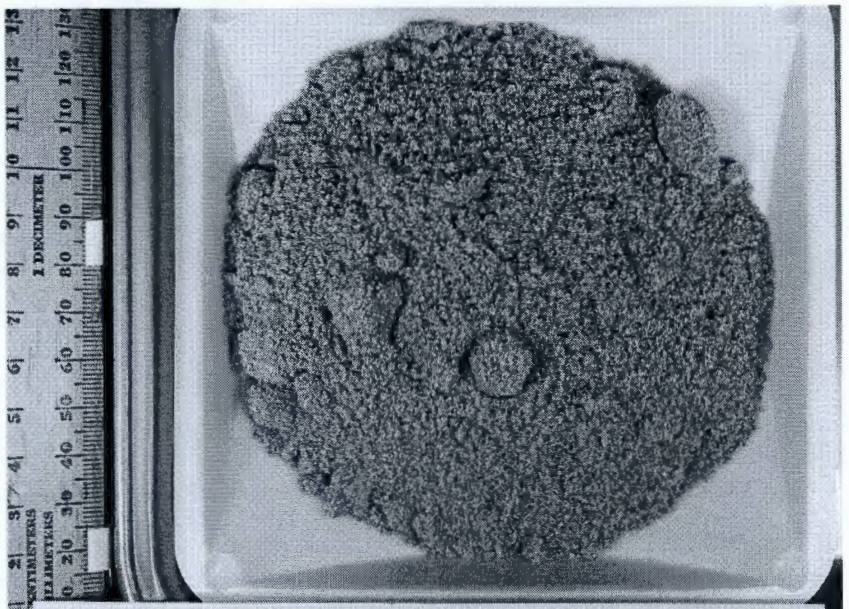

Borehole ID	Sample Number	Depth on Chain-of-Custody	
C5856	B1TP40	77.5-77.5 ft	Grab Sample

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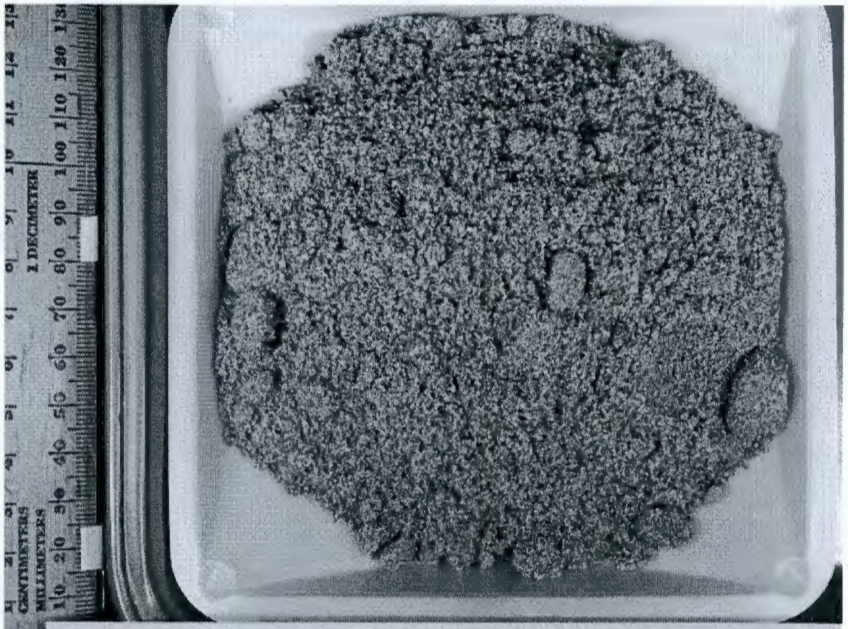

C5856	B1TP41	80.0-80.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

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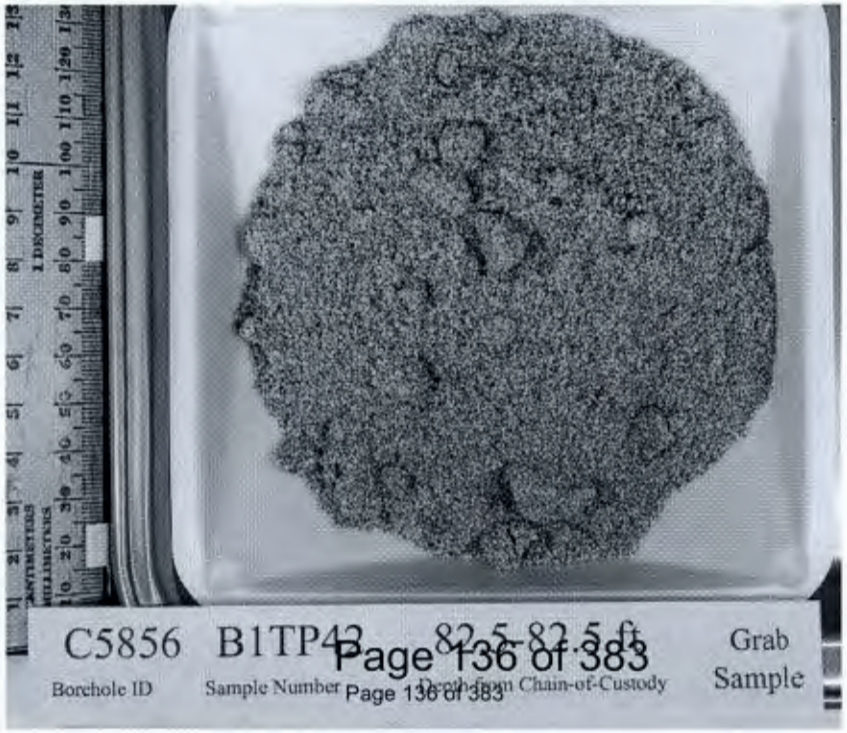

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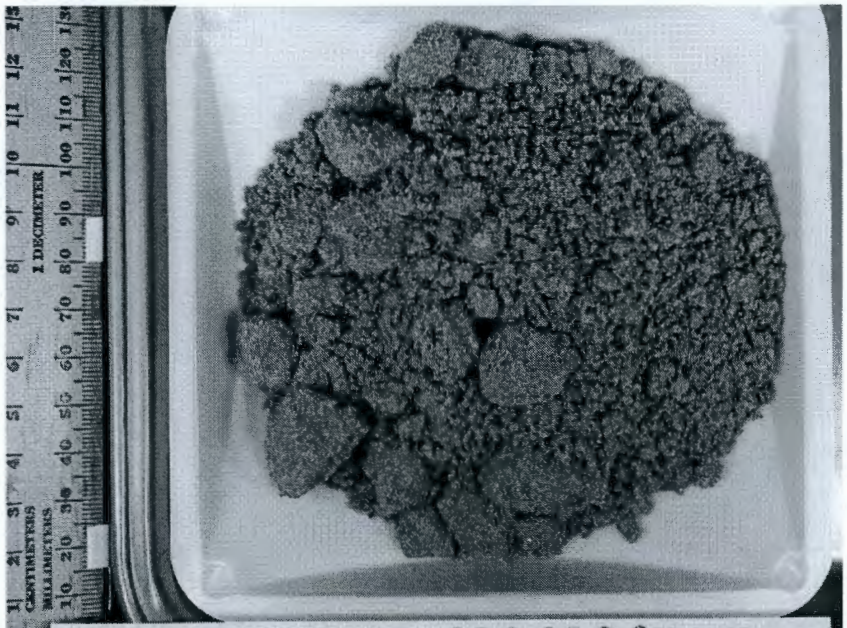

C5856 B1TP43 85.0-85.0 ft Grab

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

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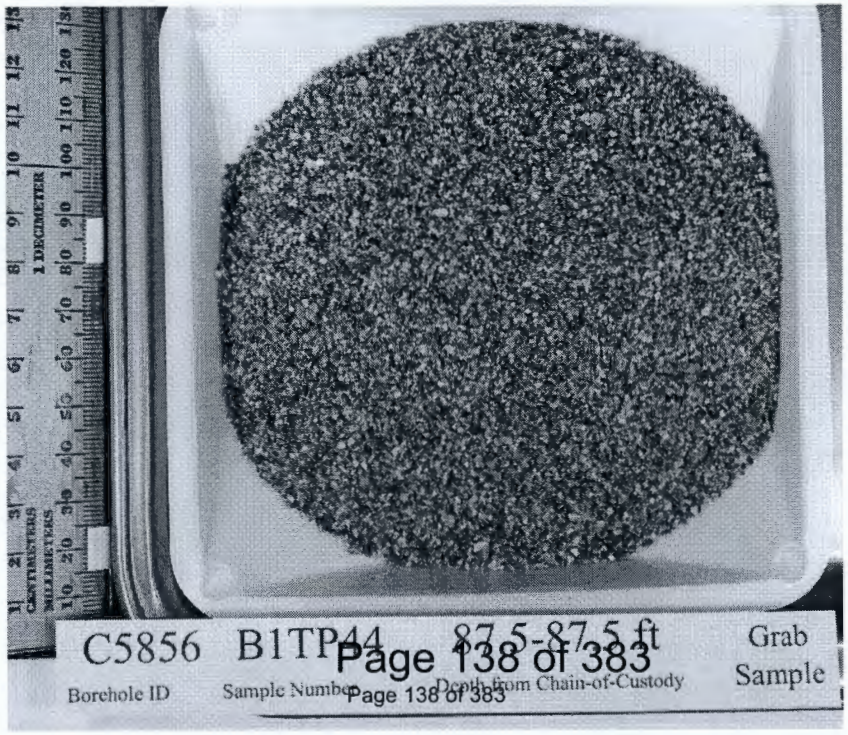

C5856 B1TP44 87.5-87.5 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

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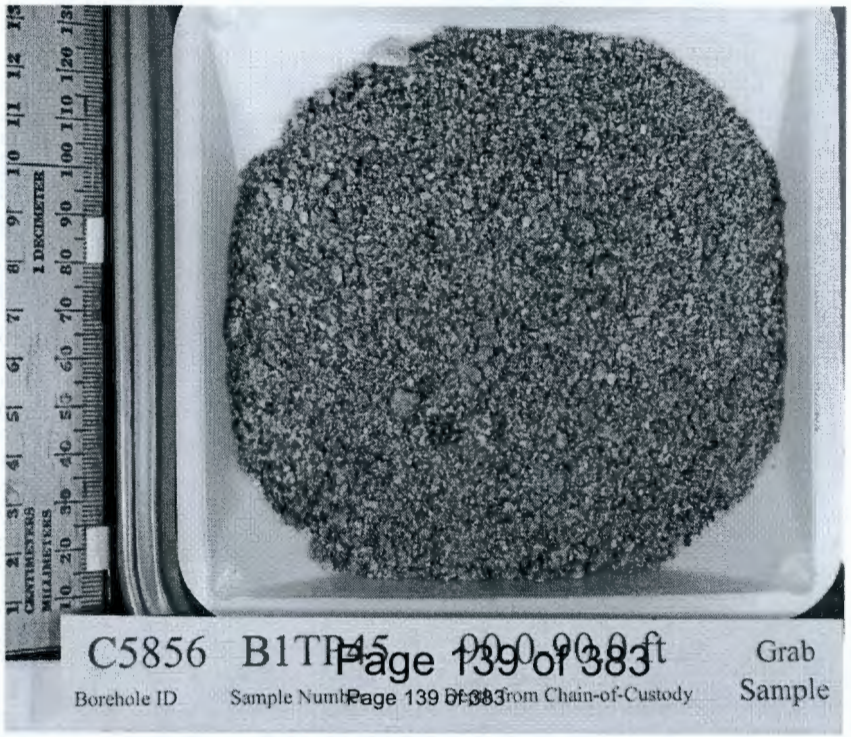

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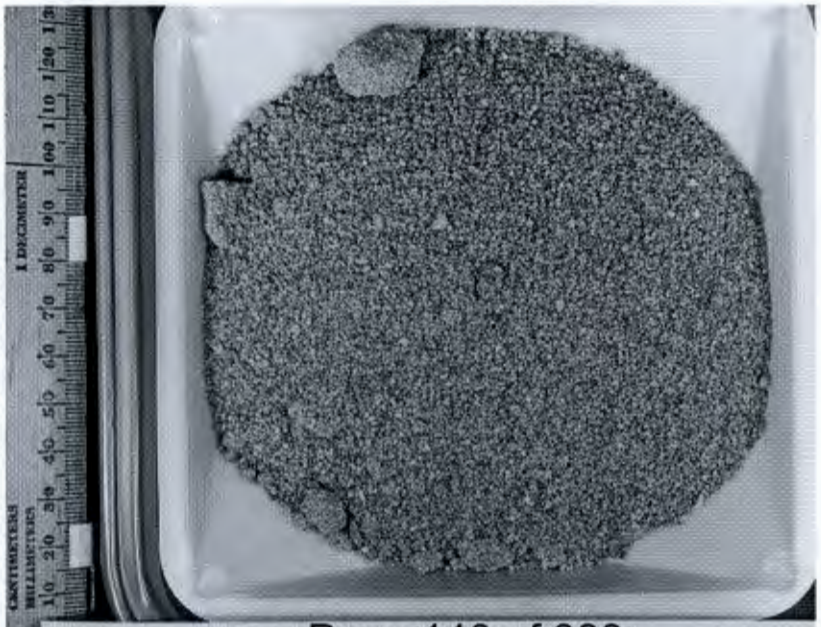

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP40	92.5-92.5 ft	Grab Sample

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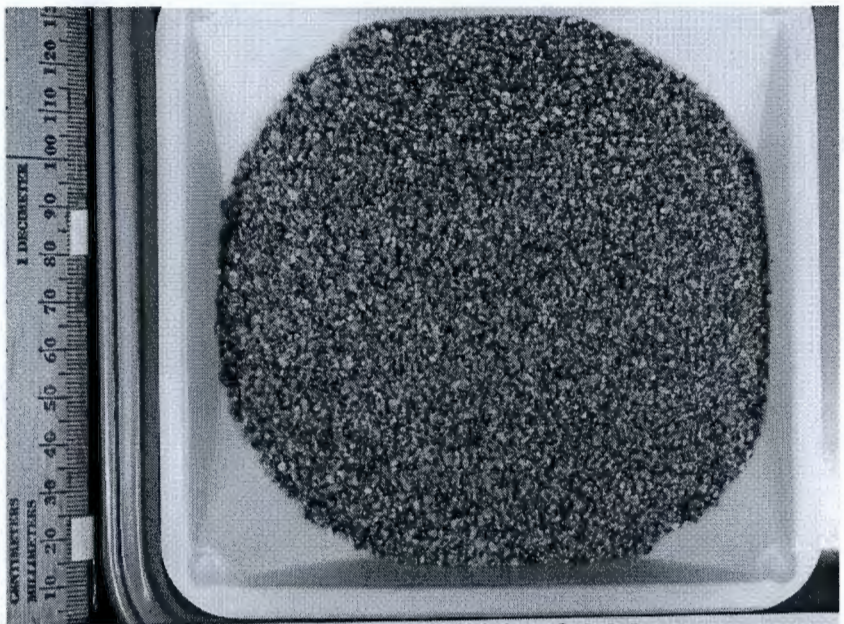
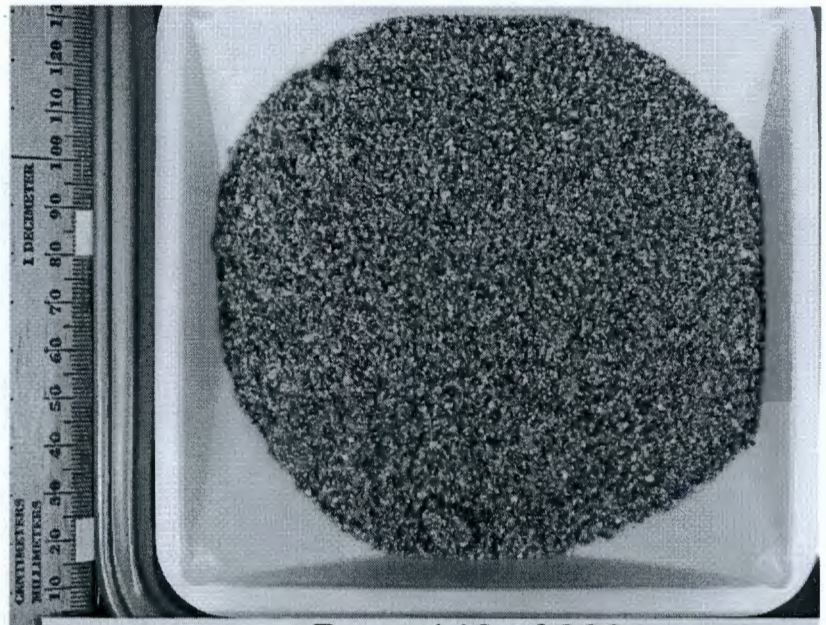


Borehole ID	Sample Number	Depth from Chain-of-Custody	Grab Sample
C5856	B1TP4	95.0-98.0ft	



C5856 B1TP48 97.8-97.8 ft Grab

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

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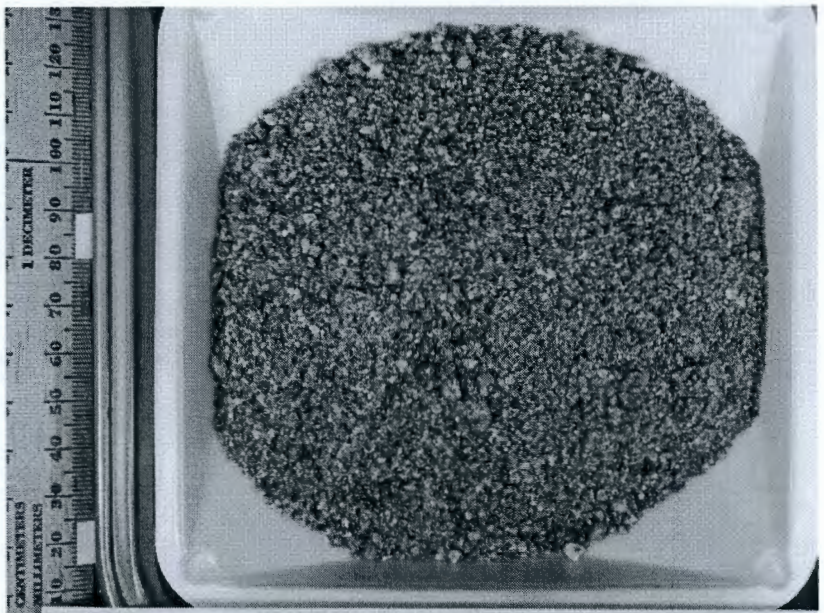

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP[illegible]	100.0-100.0 ft	Grab Sample

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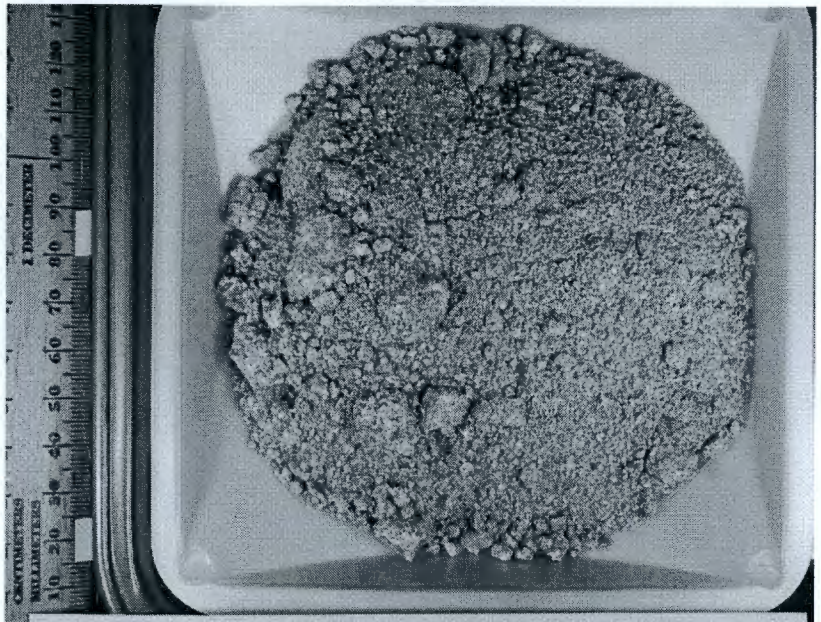

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP50	102.9-103.5 ft	Grab Sample

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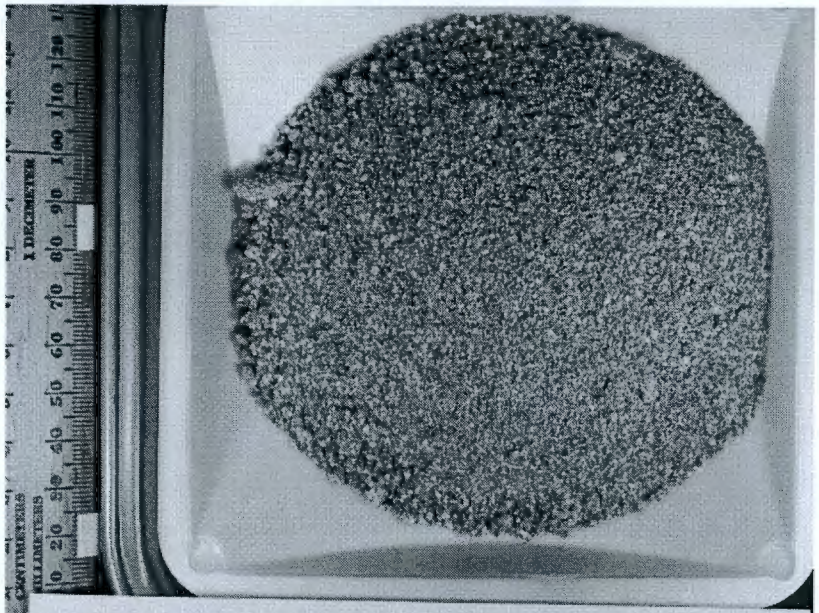
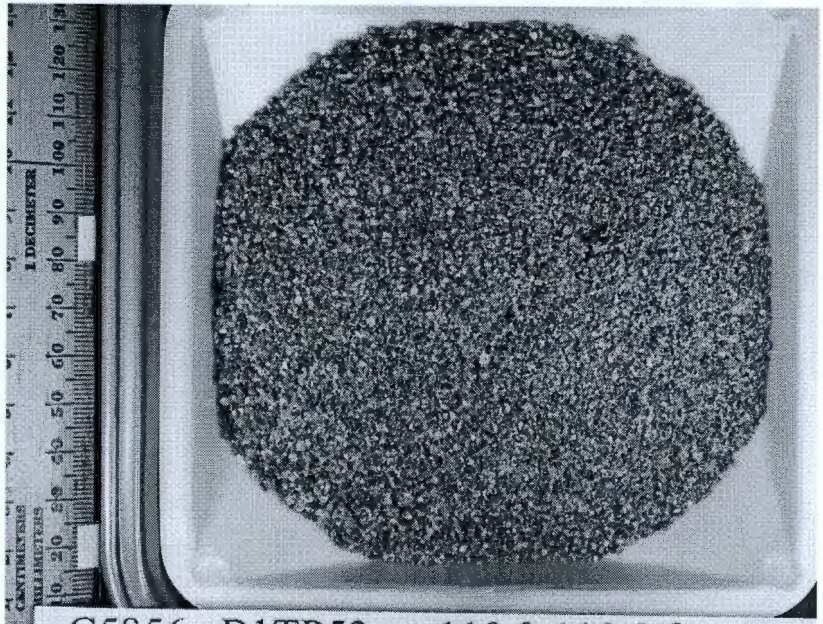
C5856 B1TP5 105.0 - 108.0 ft Grab

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



Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP2	146.5 ft	Grab Sample



C5856 B1TP52 [illegible] 0 ft Grab

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

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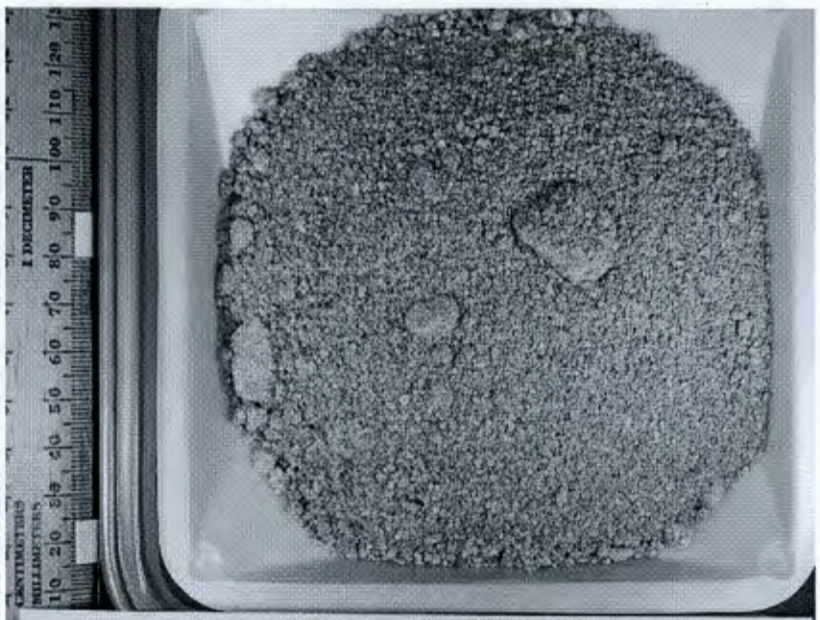

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP54	142.5-142.5 ft	Grab Sample

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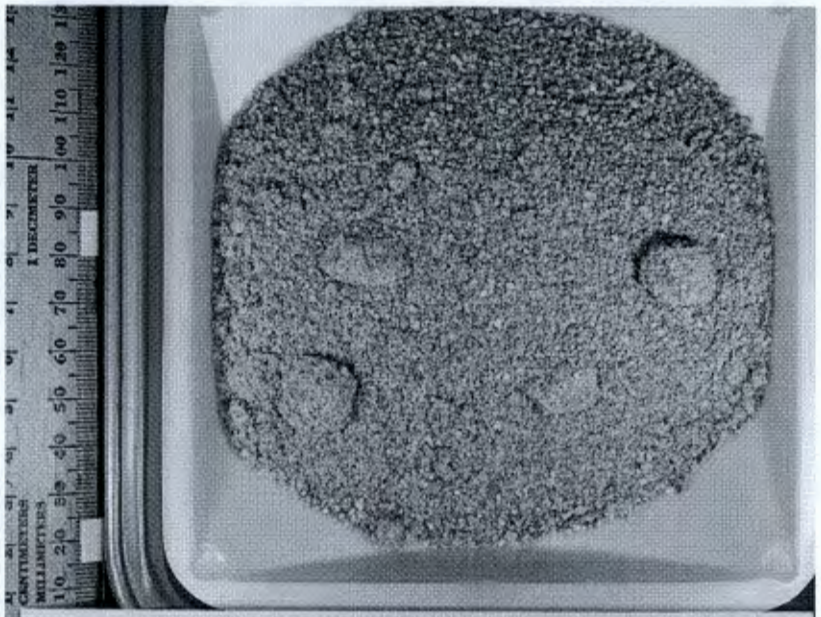
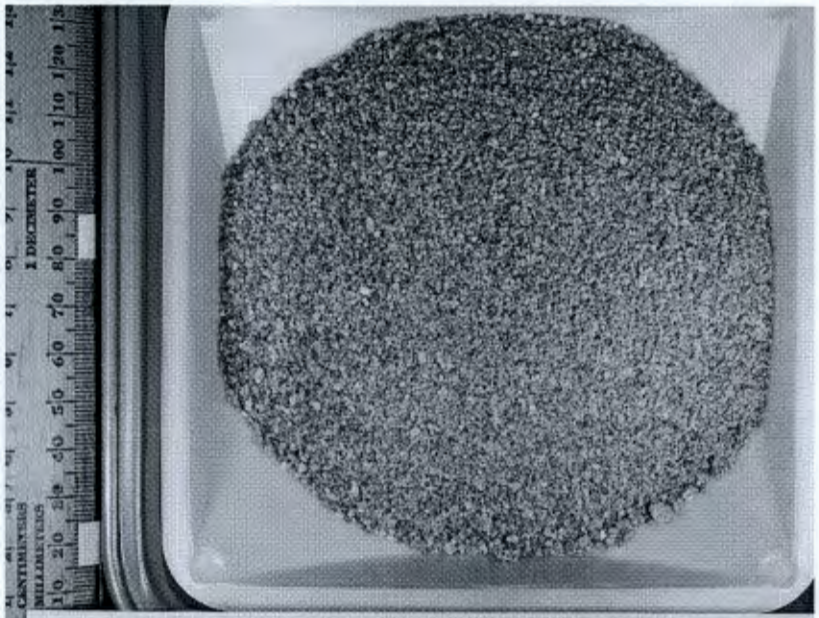
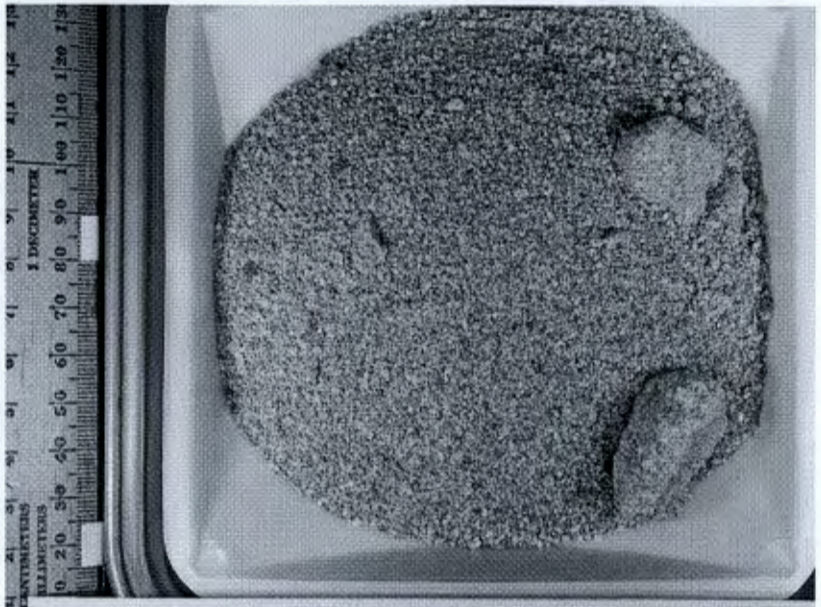


Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP5	19.0 ft	Grab Sample



Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP	10.9-11.35 ft	Grab Sample



Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP57	150.0 to 150.0 ft	Grab Sample

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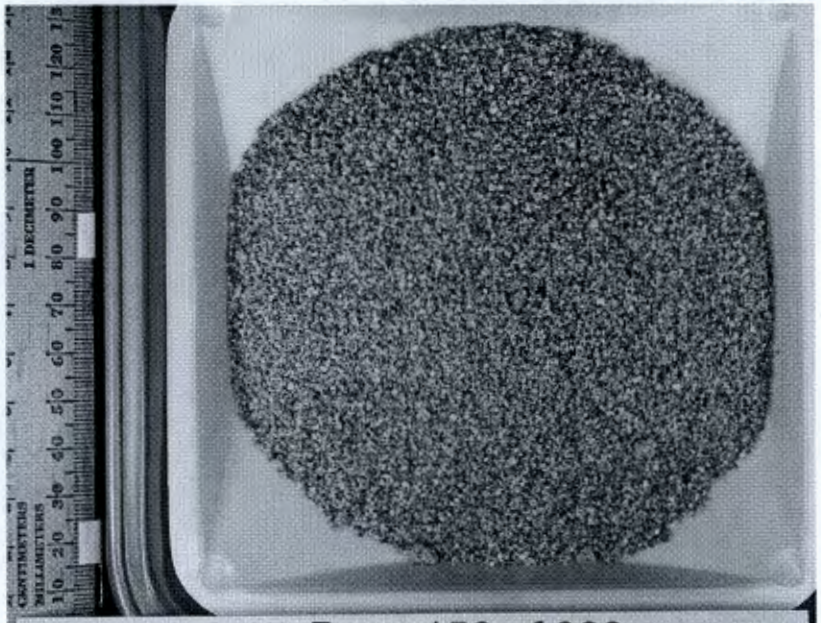

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP58	122.5-123.3 ft	Grab Sample

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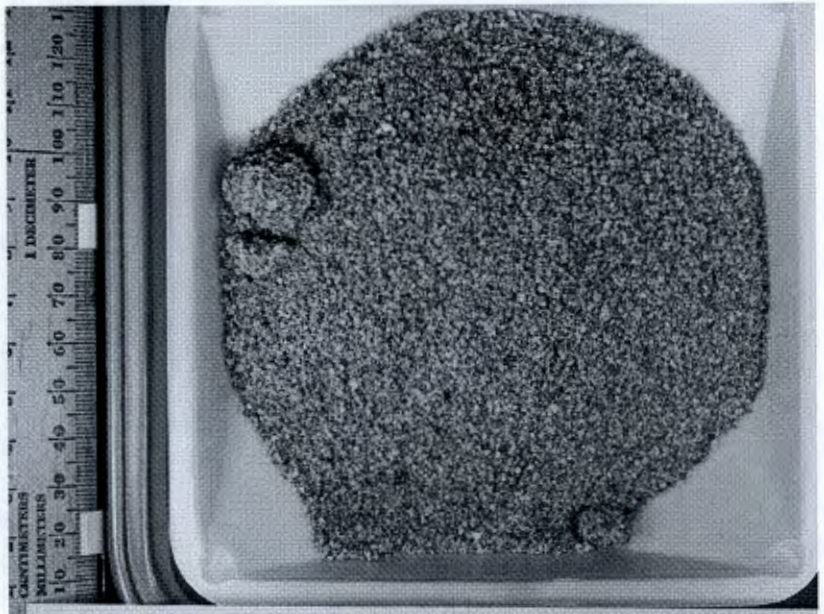
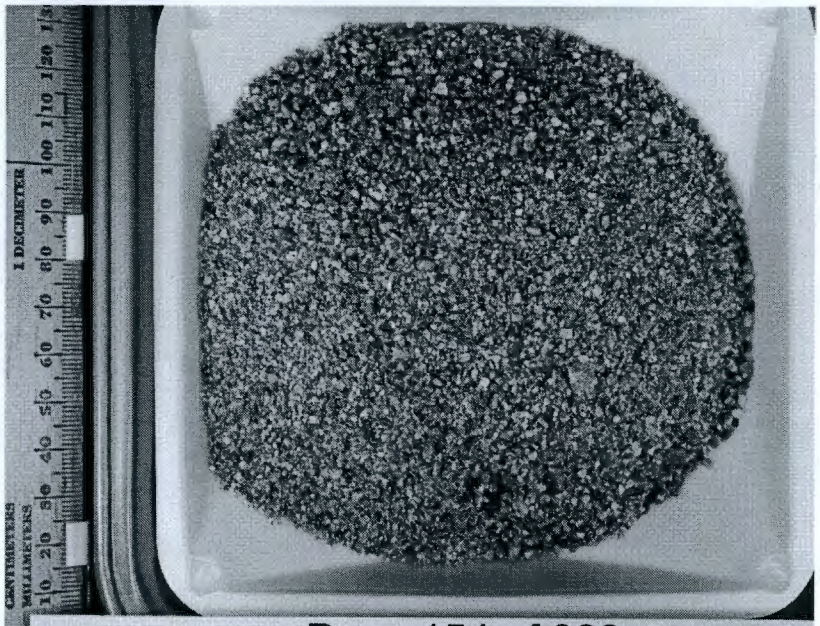


Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP	123.0 - 123.0 ft	Grab Sample



Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample
C5856	B1TP01	127.5-129.5 ft	Grab

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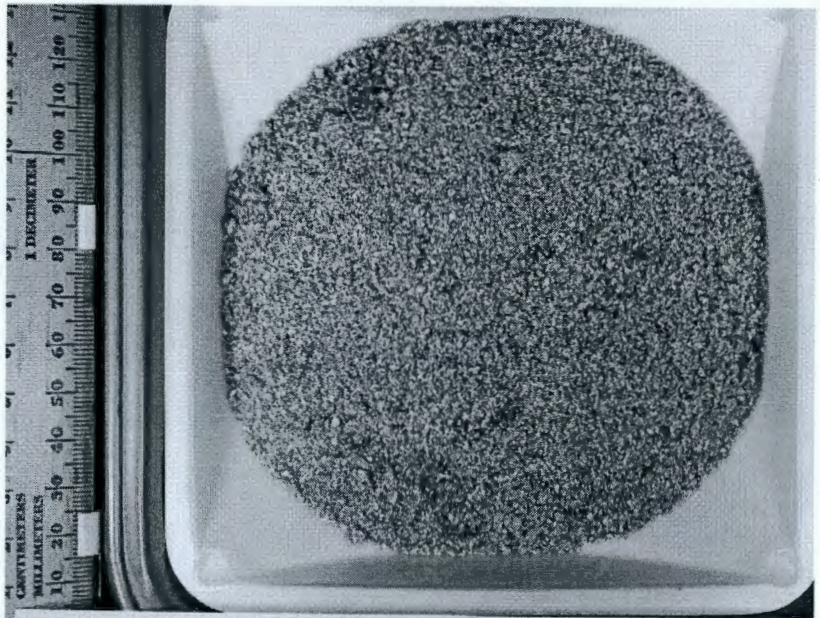

Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample
C5856	B1TP6	150.0-150.0 ft	Grab

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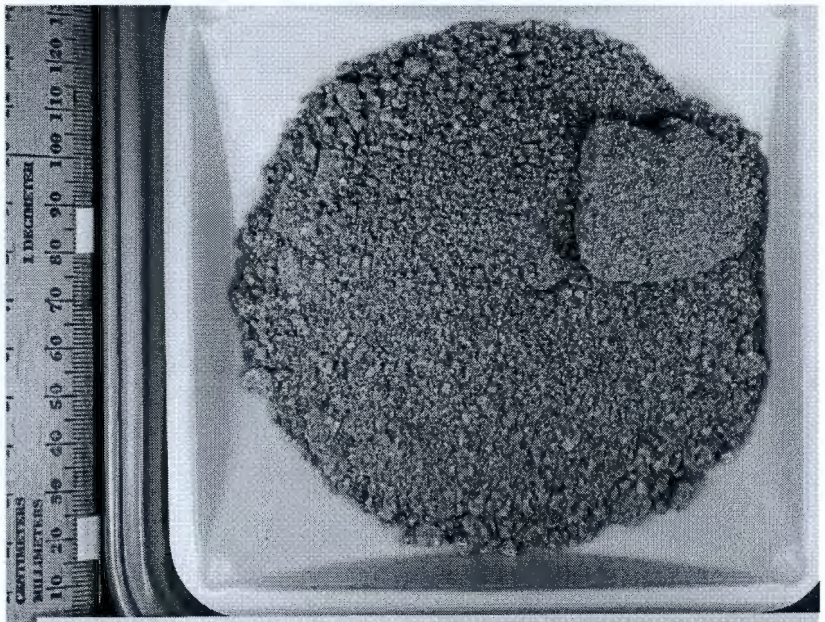

Borehole ID	Sample Number	Depth from Chain-of-Custody	Grab Sample
C5856	B1TP62	152.5-152.5 ft	

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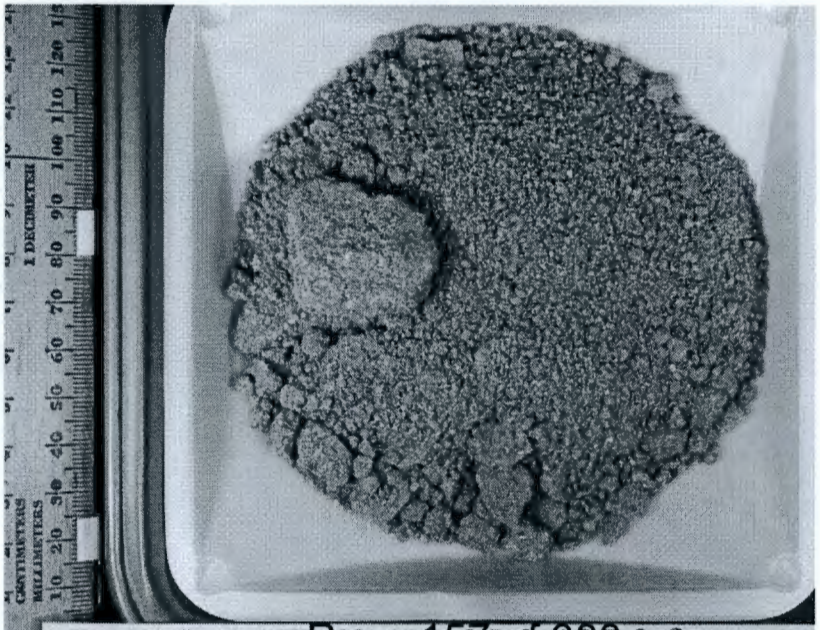

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1T[illegible]	175.0-185.0 ft	Grab Sample

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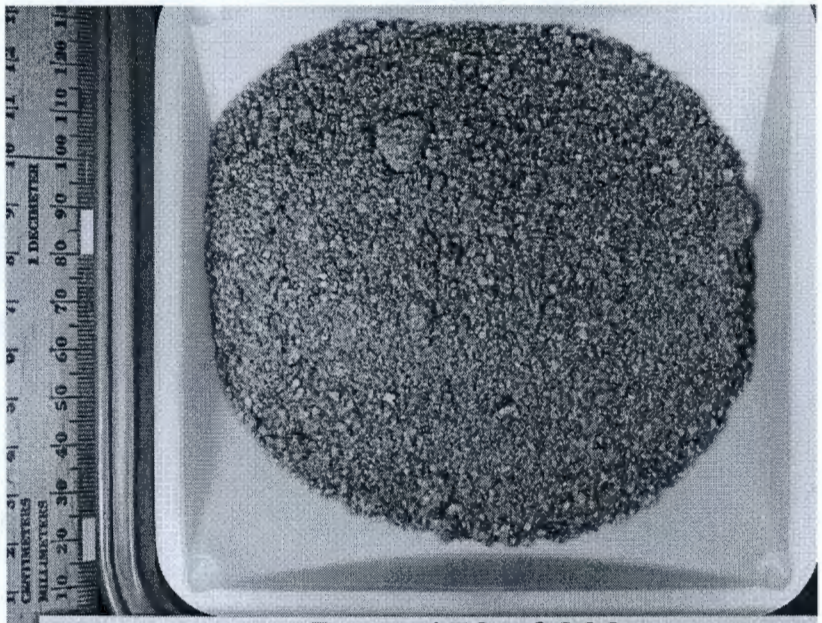

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP64	197.9 - 198.35 ft	Grab Sample

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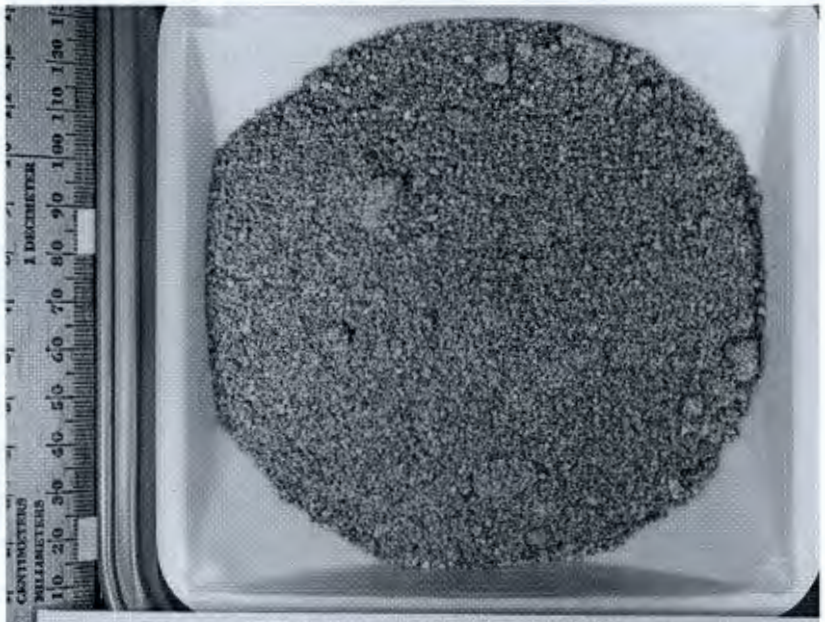
C5856 B1TH03 149.0-150.0 ft Grab

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



Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP	142.9 - 143.5 ft	Grab Sample

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Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP67	145.0-145.0 ft	Grab Sample

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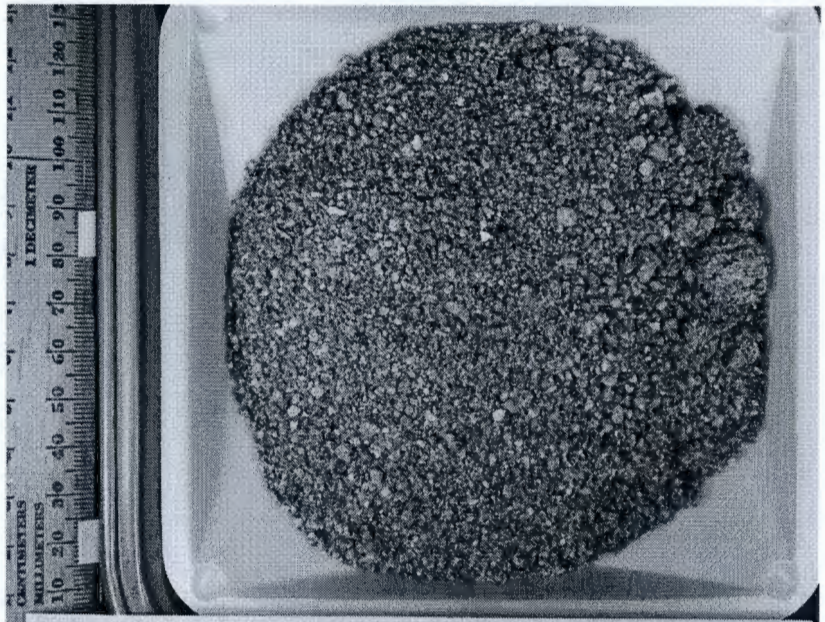

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP68	142.5 to 143.5 ft	Grab Sample

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Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1T1	150.0-150.0 ft	Grab Sample

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Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP7a	152.5-152.5 ft	Grab Sample

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP7	0.5 ft	Grab Sample

C5856	B1TP72	157.5-157.5 ft	Grab Sample
Borchole ID	Sample Number	Sample from Chain-of-Custody	

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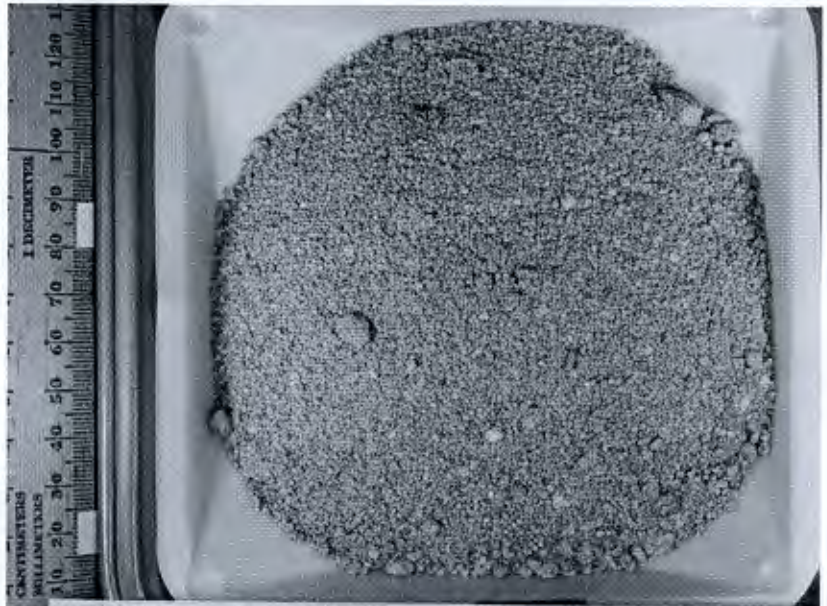

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP73	160.0-160.0 ft	Grab Sample

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C5856 B1TP74 162.5-162.5 ft Grab

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

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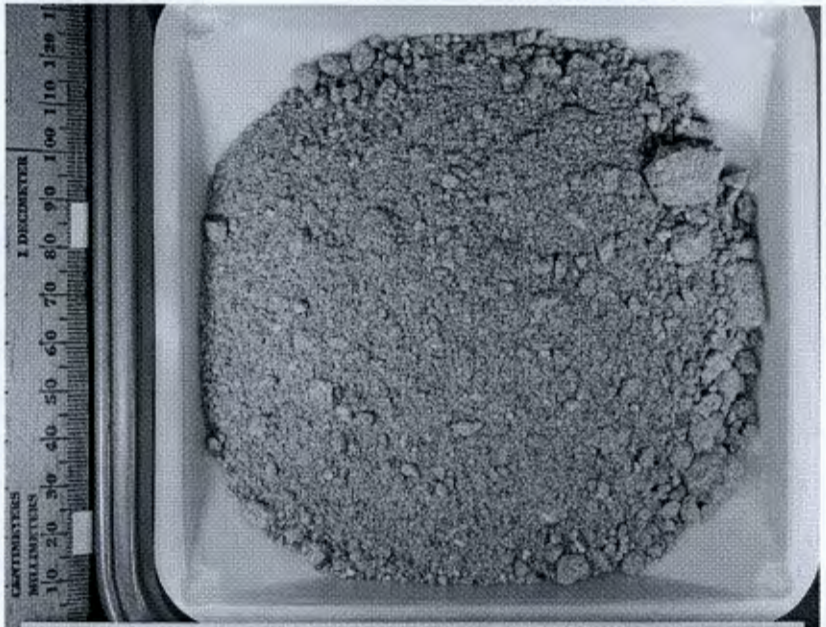
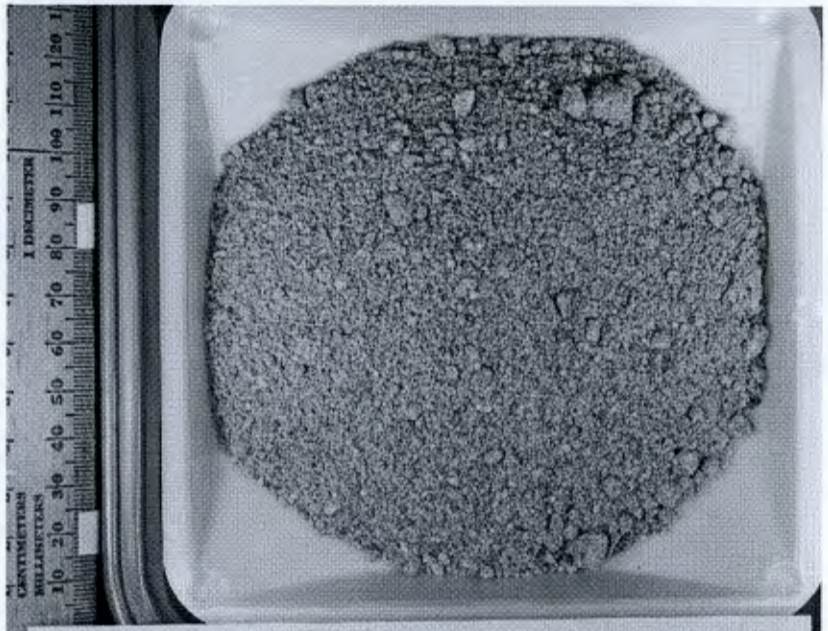


C5856 B1TP1 169.0-169.3 ft Grab

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



C5856 B1TP Page 170 of 383 170.5-170.5 ft Grab

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

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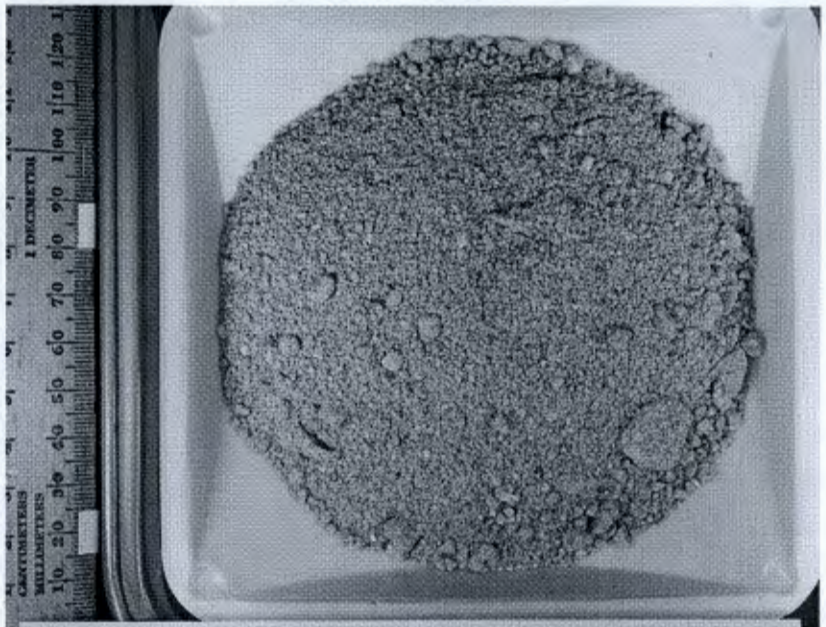

C5856 B1TP Page 170 of 383 ft Grab

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

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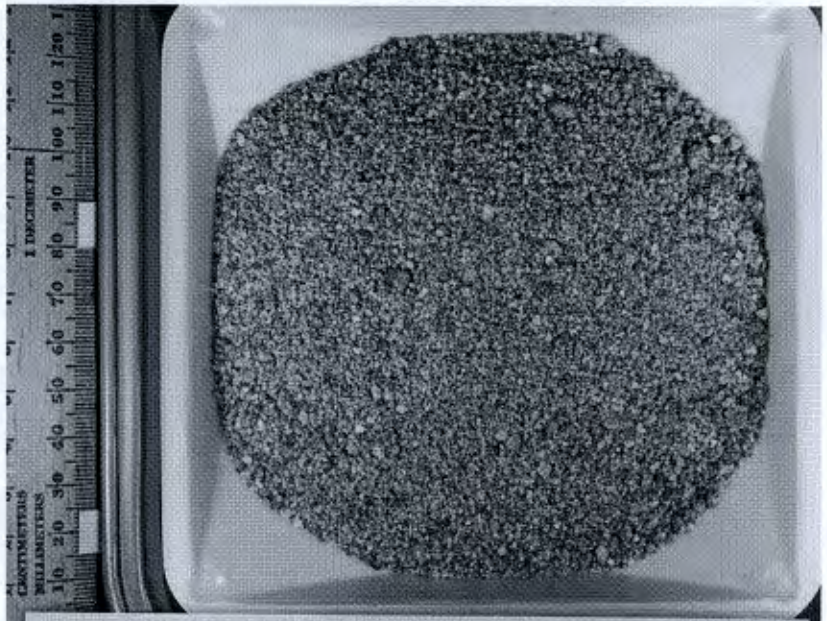
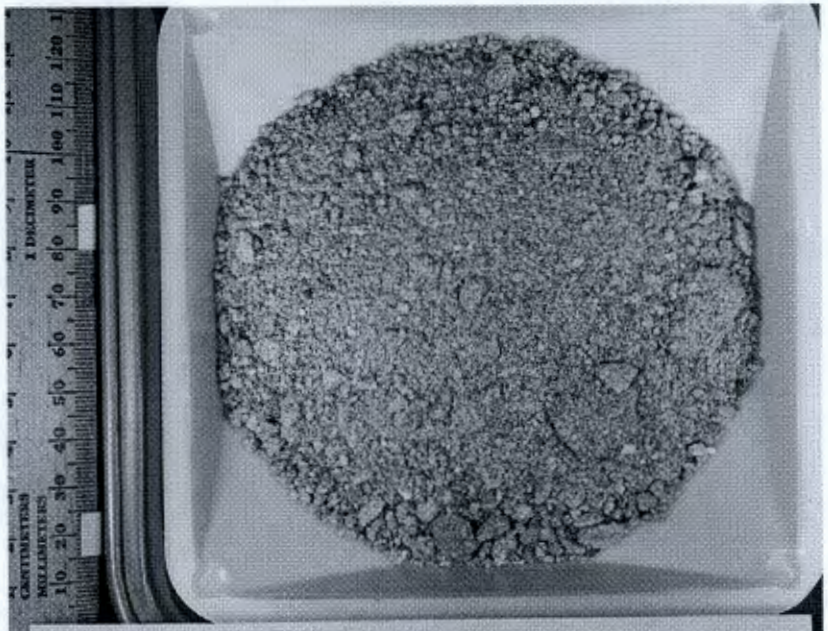
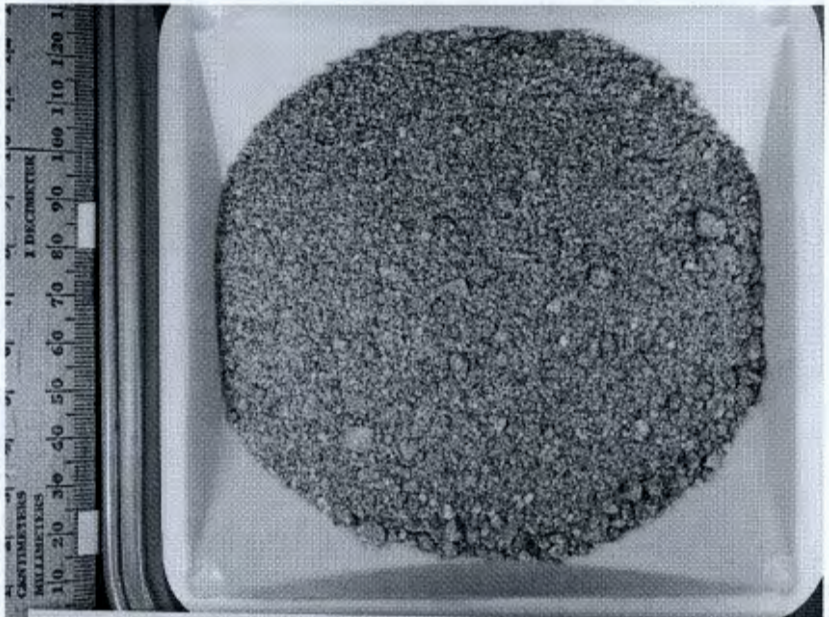


C5856	B1TN[illegible]	[illegible] ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample



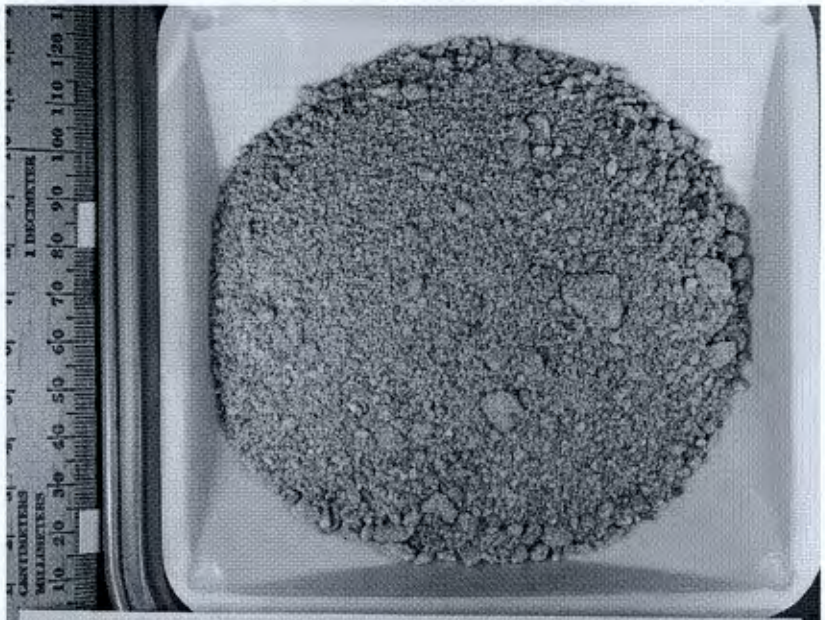
C5856 B1TN 173.0-173.30 ft Grab

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

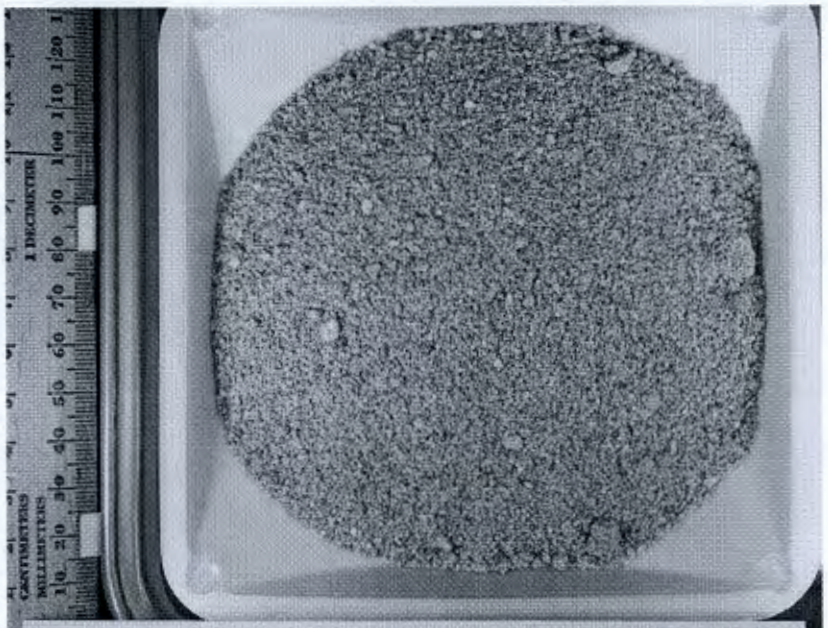


C5856 B1TN [illegible] 174.5 ft Grab

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



Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP	175.0 ft	Grab Sample



Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP79	182.5-182.5 ft	Grab Sample

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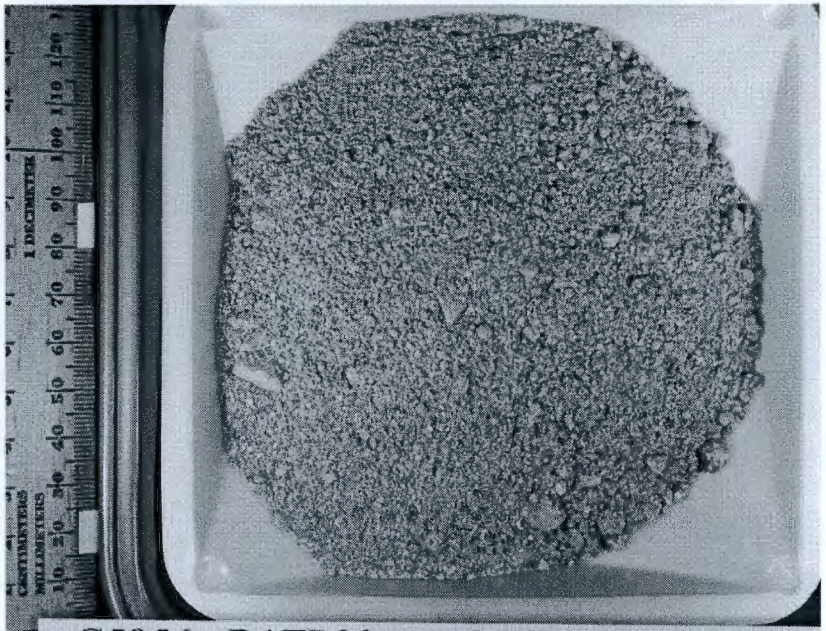

C5856	B1TP80	175.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

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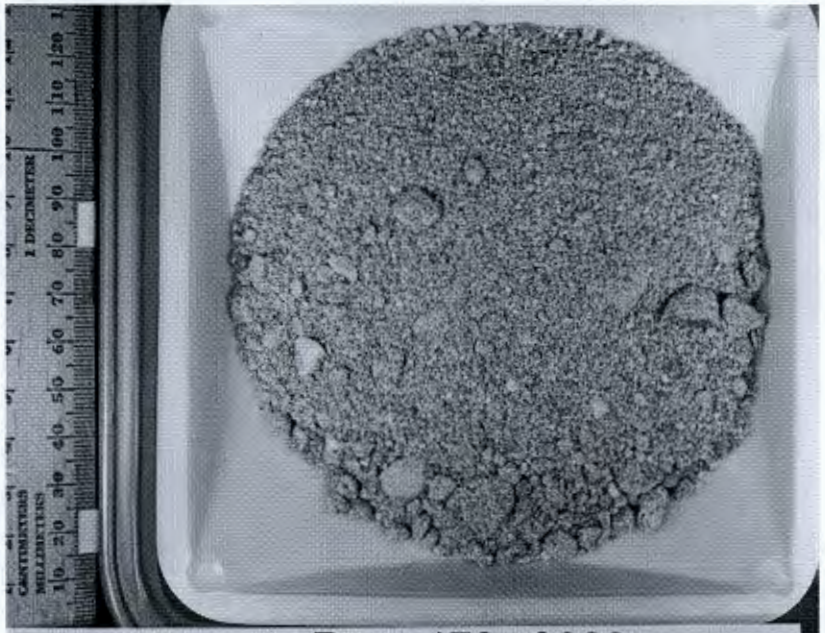

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP8	187.5-187.5 ft	Grab Sample

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Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP82	190.0 - 190.0 ft	Grab Sample

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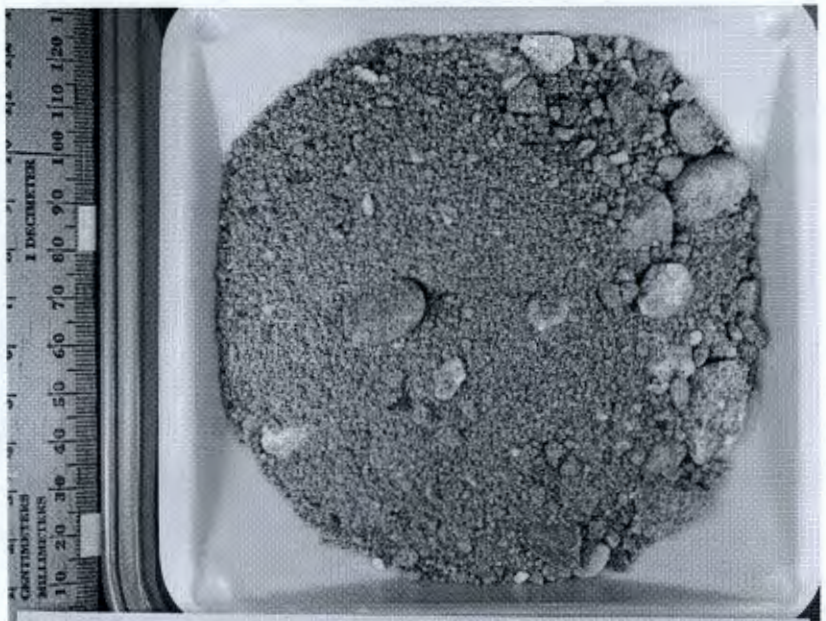
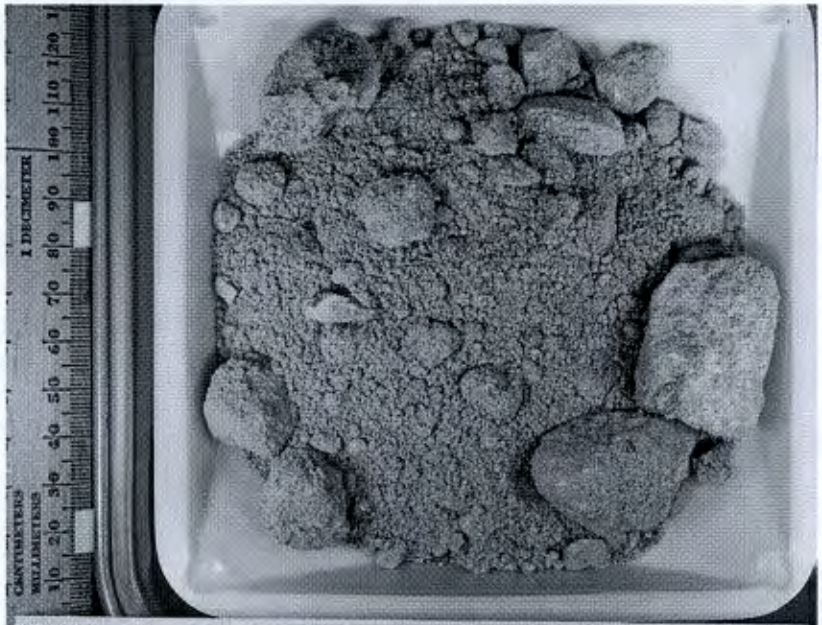


Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP8	18.05 of 32.3 ft	Grab Sample



Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample
C5856	B1TP84	193.0-193.0 ft	Grab

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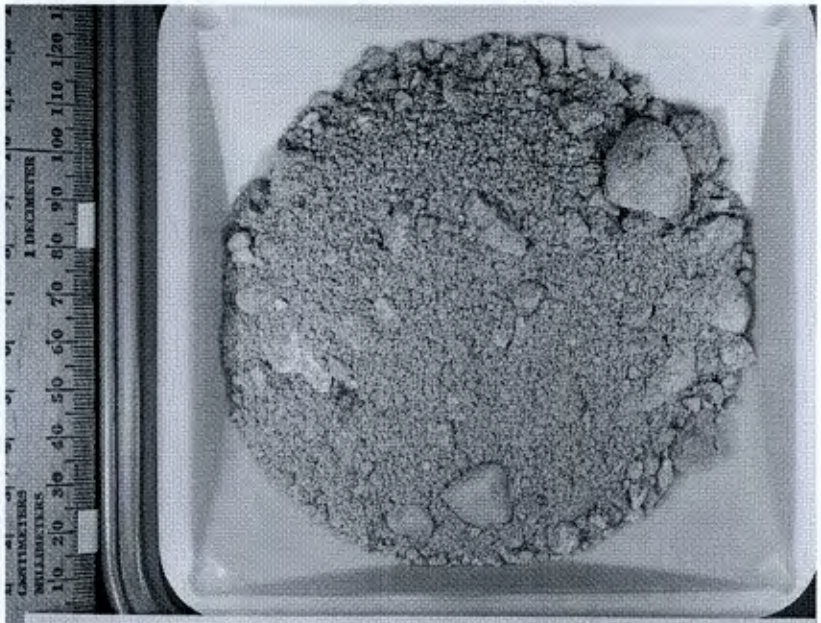

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TN	162.5 - 163.5 ft	Grab Sample

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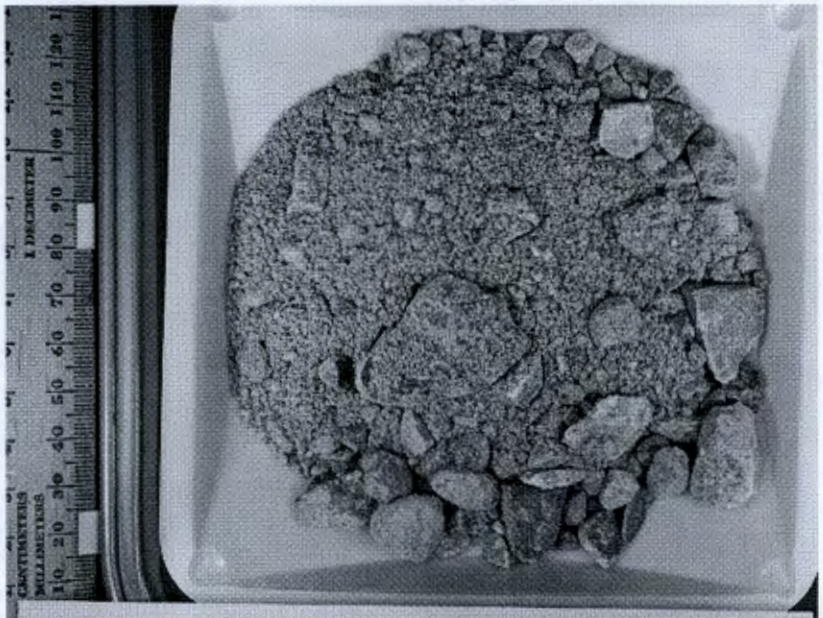

C5856 B1TN[illegible] 2[illegible] ft Grab

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

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TN21	1084.5 - 1085.3 ft	Grab Sample

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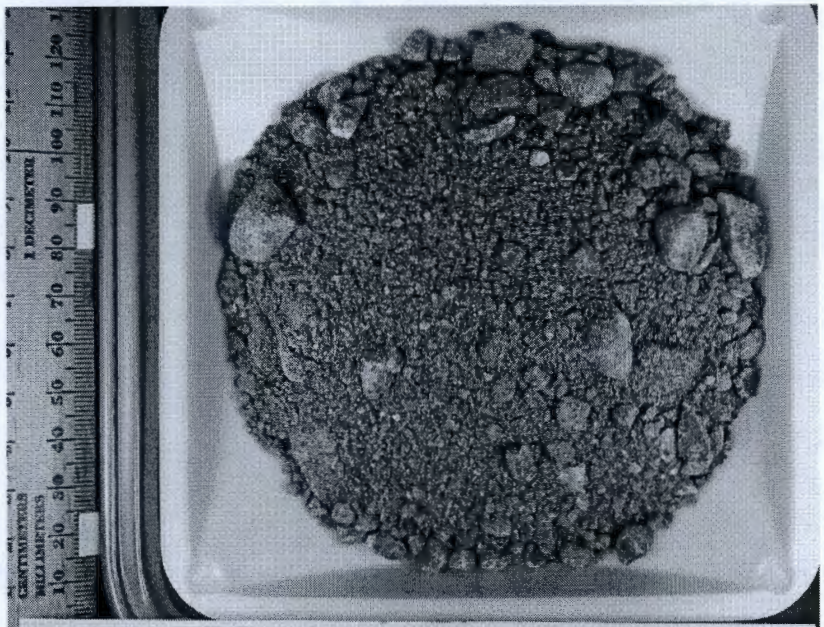
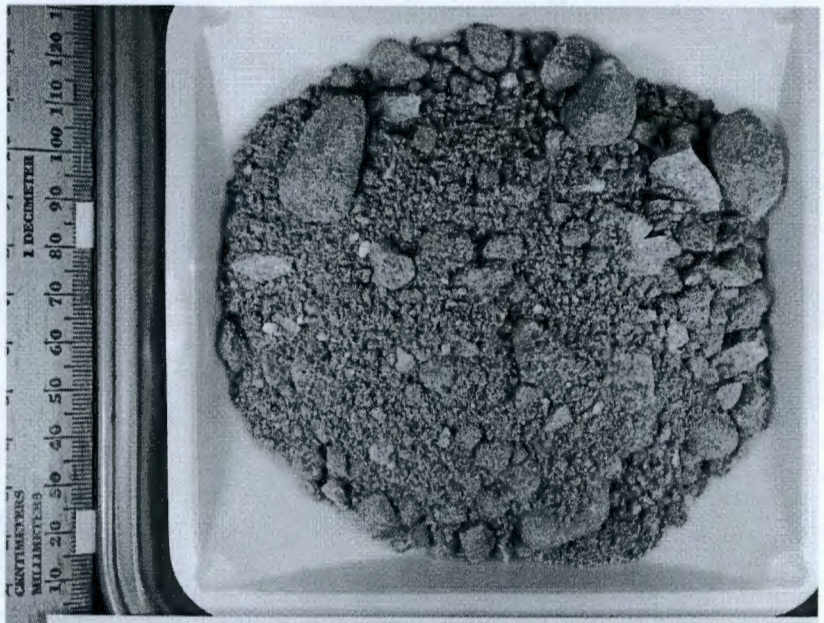
C5856 B1TNX2 2050-2080 ft Grab

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



C5856	B1TN	186.5-186.75 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP5	187.0 - 188.0 ft	Grab Sample



Borehole ID	Sample Number	Depth from Chain-of-Custody	Sampl
C5856	B1TP86	182.5-183.5 ft	Grab

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C5856 B1TP6 214.0-215.0 ft Grab

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

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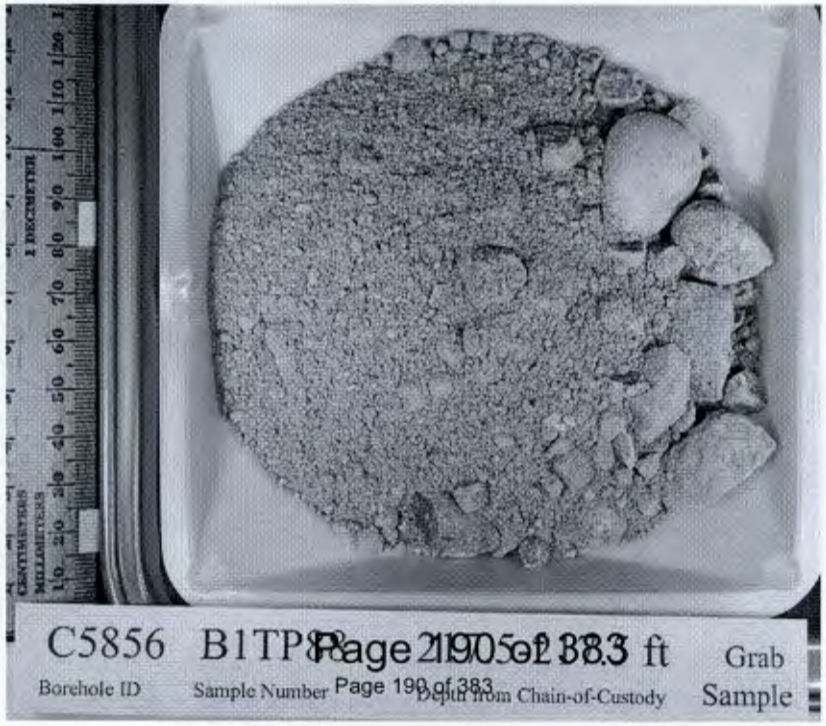
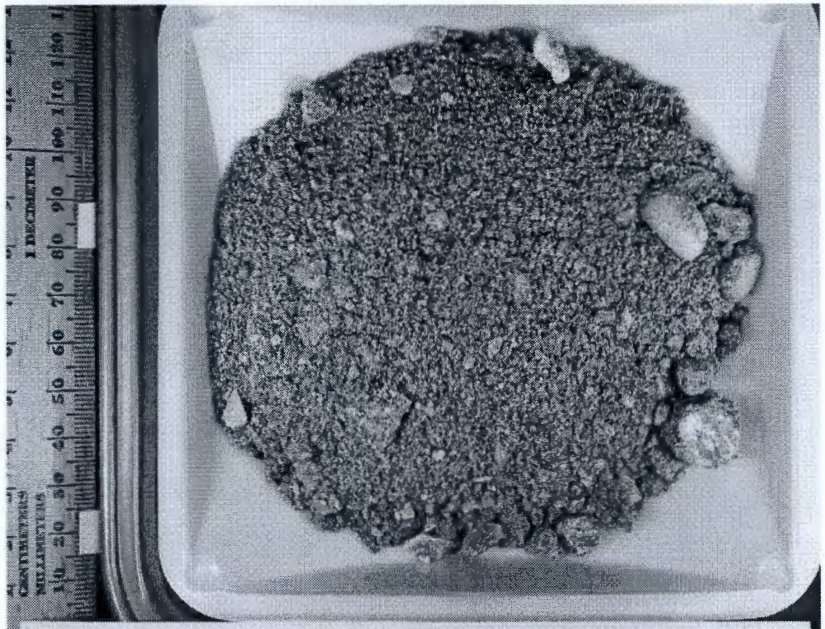

CENTIMETERS
MILLIMETERS
1 DECIMETER
C5856 B1TP8 Page 190 of 383 Page 190 of 383 ft Grab
Borehole ID Sample Number Depth from Chain-of-Custody Sample



Borehole ID	Sample Number	Depth from Chain-of-Custody	Grab Sample
C5856	B1TP89	120.0-120.3 ft	

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C5856 B1TP9 Page 2192 5 of 383 ft Grab

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

C5856 B1TP9 123.0-123.0 ft Grab

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

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Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP[illegible]	[illegible] ft	Grab Sample

Borehole ID	Sample Number	Depth from Chain-of-Custody	Grab Sample
C5856	B1TP93	290.0-290.0 ft	

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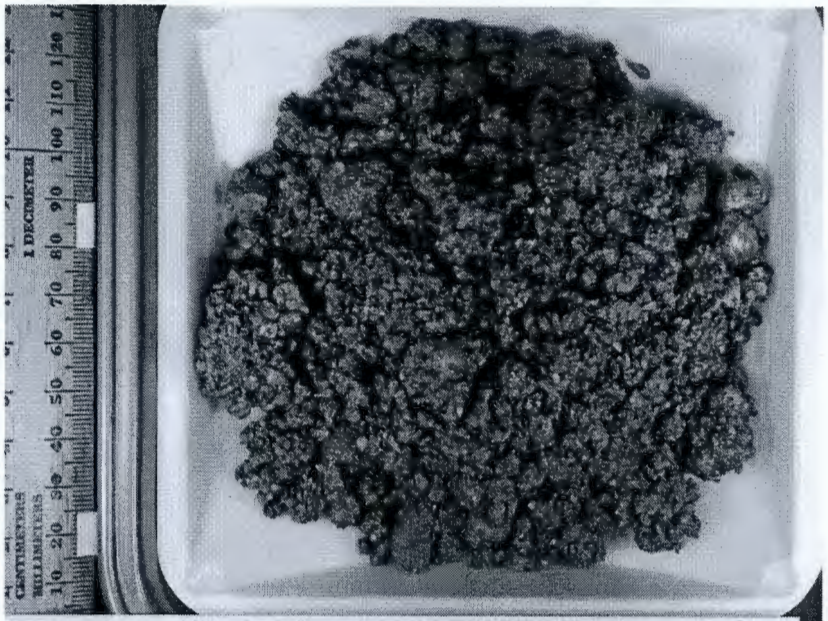

Borehole ID	Sample Number	Depth from Chain-of-Custody	
C5856	B1TP9	2.5 ft	Grab Sample

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-012

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-004

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 G

SAF NO.
F08-075

AIR QUALITY

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
17'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT61

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
B1TP23	SOIL	4-29-08	1005

LOT NO. 31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	4-29-08 1600	MO745 REF #1	4-29-08 1600
MO 745 Ref #1	4-30-08 1400	D. Parch	4-30-08 1400
D. Parch	4-30-08 1430	C. Foum	4/30/08 1430

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-004	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-013

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-005

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
20' - 22.5'

COA
123514E510

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT61

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
B1TNV8	SOIL	4-29-08	1105

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	4-29-08 1600	MC0745 REF #1	4-29-08 1600
MC 745 Ref #1	4-30-08	D. Parch D. Parch	4-30-08
D. Parch	4.30-08 1430	Cowi	4/30/08 1430

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)Density; Particle Density - D854; Particle Size (Dry Sieve) - D422; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; KD - Batch;

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

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-014

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-006

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
20'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT62

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						
B1TP24	SOIL	4-29-08	1105	✓	✓				

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	4-29-08 1600	MO 745 REF #1	4-29-08 1600
MO 745 Ref #1	4-30-08 1400	D. Parker Davis	4-30-08 1400
D. Parker Davis	4-30-08 1430	C. Evans	4/30/08 1430

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-006	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-015

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER BAILEY	TRENT, STEVE	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
C5856, I-007	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488-1	22.5'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1V4R2

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
B1TP25	SOIL	4-29-08	1305

LOT NO. 31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JY BAILEY / JBailey	4-29-08 1600	MO745 REF #1	4-29-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref #1	4-30-08 1400	D. Parker	4-30-08
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	4-30-08 1430	C. Jovin	4/30/08 1430
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-007	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-017

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-009

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
27.5'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1V4R4

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		
B1TP27	SOIL	4-29-08	1335	✓	✓

31714

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JK Bailey	4-29-08 1600	MO745 RAT #1	4-29-08 1600
MO 745 Raf #1	4-30-08 1400	D. Parcher	4-30-08
D. Parcher	4-30-08 1430	C. Ovm	4/30/08 1430

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5856, I-009	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-018

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-010	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488-1	30'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP97

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		
B1TP28	SOIL	4-29-08	1355	✓	✓

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CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	4-29-08 1600	MOXS REF #1	4-29-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 245 Ref #1	4-30-08 1400	D. Parch	4-30-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parch	4-30-08 1430	C. Bu	4/30/08 1430
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-018

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-010	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-019

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-011	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488-1	32.5'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP97

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		
B1TP29	SOIL	4-29-08	1450	✓	✓

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CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	4-29-08 1600	MO745 REF #1	4-29-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 REF #1	4-30-08 1430	D. Parker	4-30-08
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	4-30-08	C. Tom	4/30/08 1450
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-019

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-011	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-020

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-012

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
35'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP97

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		
B1TP30	SOIL	4-29-08	1500	✓	✓

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/ JKBailey	4-29-08 1600	M0745 REF #1	4-29-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0 745 Ref #1	4-30-08 1400	D. Parker D. Parker	4-30-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parker	4-30-08 1430	C. Tom	4/30/08 1430
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-012	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-150

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5856, I-013	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 37.5'	**COA** 123514ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TP97

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		
B1TNV9	SOIL	4-29-08	1515	✓	✓

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey / JKBailey	4-29-08 1600	M0745 REF #1	4-29-08 1600
M0745 REF #1	4-30-08	D. Parch	4-30-08 1400
D Parch	4-30-08 1430	C. Tom	4/30/08 1430

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-013	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-009

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-001

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
15'-17.5'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP96

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
B1TNV6	SOIL	4-29-08	0930

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JE BAILEY / JE Bailey	4-29-08 1600	M0745 RLF#1	4-29-08 1600
M0745 RLF#1	5-1-08	D. Parker / D. Parker	5-1-08
D. Parker	5-1-08	C. Fm	5/1/08 1430

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)Density; Particle Density - D854; Particle Size (Dry Sieve) - D422; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; KD - Batch;

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-010

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-002

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
15'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP96

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								
B1TP22	SOIL	4-29-08	0835	✓	✓						

LOT NO. 31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	4-29-08 1600	M0745 REF#1	4-29-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 REF#1	5-1-08 1400	D. Parch	5-1-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parch	5-1-08 1430	C. Lim	4/30/08 1430
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5856, I-002	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-011

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-003	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 17.5' - 20'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP96

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
B1TNV7	SOIL	4-29-08	1020

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	4-29-08 1600	MO745 RET #1	4-29-08 1600
MO 745 RET #1	5-1-08 1400	D. Parker	5-1-08 1400
D. Parker	5-1-08 1430	C. Tom	5/1/08 1430

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)Density; Particle Density - D854; Particle Size (Dry Sieve) - D422; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; KD - Batch;

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-016

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-008	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY**	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 25'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1V4R3

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		
B1TP26	SOIL	4-29-08	1320	✓	✓

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	4-29-08 1600	M0745 REF #1	4-29-08 1600
M0745 REF #1	5-1-08 1200	Fluor Hanford	5-1-08 1300
Fluor Hanford J. E. PARCHER	5-1-08 1430	J. E. PARCHER	5/1/08 1430

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5856, I-008	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-151

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-014

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
40'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TP97

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
B1TNW0	SOIL	4-30-08	0800

LOT NO. 31394

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	4-30-08 1600	MO745 REF#1	4-30-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Ref 01	5-1-08	Fluor Hanford D. E. PARCHEN	5-1-08
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN	5-1-08 1430	C. Dm	5/1/08 1430
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-014	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-152

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5856, I-015	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488 1	**ACTUAL SAMPLE DEPTH** 42.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TP97

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									
B1TNW1	SOIL	4-30-08	0830	✓	✓							

31394

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	4-30-08 1600	M0745 REF #1	4-30-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 REF #1	5-1-08 1200	Fluor Hanford D. E. PARCHEN	5-1-08
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford D. E. PARCHEN	5-1-08 1430	C. Bm	5/1/08 1430
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-015	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-153

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5856, I-016	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 45'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TP97

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		
B1TNW2	SOIL	4-30-08	0853	✓	✓

LOT NO. 31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	4-30-08 1600	MO745 REF #1	4-30-08 1600
MO 745 Ref #1	5-1-08 1300	D. Parker	5-1-08 1300
D. Parker	5-1-08 1430	C. Irwin	5/1/08 1430

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-016	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-154

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** C5856, I-017	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 47.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TP97

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								
B1TNW3	SOIL	4-30-08	0915	✓	✓						

31374

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JE BAILEY	4-30-08 1600	MO745 REF #1	4-30-08 1600
MO-245 Ref #1	5-1-08 1200	Fluor Hanford J. E. PARCHEN	5-1-08 1300
Fluor Hanford J. E. PARCHEN	5-1-08 1430	C. Sm	5/1/08 1430

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-017	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-155

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5856, I-018	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 50'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TP97

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									
B1TNW4	SOIL	4-30-08	0930	✓	✓							

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	4-30-08 1600	MO745 REF #1	4-30-08 1600
MO745 REF #1	5-1-08 1300	Fluor Hanford	5-1-08 1300
Fluor Hanford / S E PARCHER	5-1-08 1430	S E PARCHER / C. Im	5/1/08 1430

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-018	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-156

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-019	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488-1	52.5'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TP97

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										
B1TNW5	SOIL	4-30-08	1025	✓	✓								

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JK Bailey	4-30-08 1600	MO745 REF #1	4-30-08 1600
MO745 Ref #1	5-1-08 1300	Fluor Hanford D. E. PARCHEN	5-1-08 1300
Fluor Hanford D. E. PARCHEN	5-1-08 1430	C. Dovin	5/1/08 1430

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-156

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-019	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-021

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

SAMPLING LOCATION
C5856, I-020

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
55'-57.5'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

PRESERVATION None

TYPE OF CONTAINER Split Spoon Liner

NO. OF CONTAINER(S) 2

VOLUME 1000g

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP97

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TT72	SOIL	4-30-08	1100

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JBAILEY/JKBailey	4-30-08 1600	M0745 REF#1	4-30-08 1600
M0745 REF#1	5-1-08 1300	Fluor Hanford D. E. PARCHEN	5-1-08 1300
Fluor Hanford D. E. PARCHEN	5-1-08 1430		5/1/08 1430
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)Density; Particle Density - D854; Particle Size (Dry Sieve) - D422; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; KD - Batch;

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

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-022

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-021	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 55'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP98

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									
B1TP31	SOIL	4-30-08	1043	✓	✓							

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	4-30-08 1600	M0745 REF #1	4-30-08 1600
M0745 REF #1	5/1/08 1300	DW Brotherton	5/1/08 1300
DW Brotherton / DW Brotherton	5/1/08 1400	C Down	5/1/08 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**

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-021	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-023

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE**	**DATA TURNAROUND**
NCO SAMPLER BAILEY	TRENT, STEVE	373-5869	WIDRIG, DL	8N	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐
C5856, I-022	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-488-1	57.5'-60.0'	123514ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP98

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
B1TT73	SOIL	4-30-08	1230

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	4-30-08 1600	MO745 REF #1	4-30-08 1600
MO745 Ref #1	5-1-08 1300	Fluor Hanford D. E. PARCHEN	5-1-08 1300
Fluor Hanford D. E. PARCHEN	5-1-08 1430	C. Fm	5/1/08 1430

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)Density; Particle Density - D854; Particle Size (Dry Sieve) - D422; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; KD - Batch;

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-024

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-023	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 57.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP98

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										
B1TP32	SOIL	4-30-08	1223	✓	✓								

31394

CHAIN OF POSSESSION	DATE/TIME	SIGN/ PRINT NAMES	DATE/TIME
RELINQUISHED BY/REMOVED FROM: J HALEY / J C Bailey	4-30-08 1600	RECEIVED BY/STORED IN: M0745 REF #1	4-30-08 1600
RELINQUISHED BY/REMOVED FROM: M0745 REF #1	5/1/08 1300	RECEIVED BY/STORED IN: DW Brotherton	5/1/08 1300
RELINQUISHED BY/REMOVED FROM: DW Brotherton DW Brotherton	5/1/08 1430	RECEIVED BY/STORED IN: C. Irwin	5/1/08 1420
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-023	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-025

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-024

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
60'-62.5'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

PRESERVATION None

TYPE OF CONTAINER Split Spoon Liner

NO. OF CONTAINER(S) 2

VOLUME 1000g

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP98

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TT74	SOIL	4-30-08	~~1245~~ 1310

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JT BAILEY / JT Bailey	4-30-08 1600	M0745 REF #1	4-30-08 1600
M0745 REF #1	5-1-08 1200	Fluor Hanford E. PARCHEN	5-1-08 1200
Fluor Hanford E. PARCHEN	5-1-08	C. Tom	5/1/08 1430
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)Density; Particle Density - D854; Particle Size (Dry Sieve) - D422; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; KD - Batch;

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-026

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION C5856, I-025	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 60'	**COA** 123514ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP98

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		
B1TP33	SOIL	4-30-08	1245	✓	✓

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	4-30-08 1600	M0745 REF #1	4-30-08 1600
M0745 REF #1	5/1/08 1310	DW Brotherton	5/1/08 1310
DW Brotherton / DW Brotherton	5/1/08 1430	[illegible]	5/1/08 1430

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-026

COLLECTOR
NCO SAMPLER

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-025

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA
123514ES10

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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-027

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** C5856, I-026	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 62.5' - 65.0'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP98

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
B1TT75	SOIL	4-30-08	1342 ✓

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey / JKBailey	4-30-08 1600	M0745 REF #1	4-30-08 1600
M0745 Ref #1	5-1-08 1200	Fluor Hanford D. E. PARCHEN	5-1-08 1300
Fluor Hanford D. E. PARCHEN	5-1-08 1430	C. Tom	5/1/08 1432

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)Density; Particle Density - D854; Particle Size (Dry Sieve) - D422; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; KD - Batch;

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-028

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5856, I-027	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 62.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP98

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									
B1TP34	SOIL	4-30-08	1324	✓	✓							

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CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK Bailey/[illegible]	4-30-08 1600	M0745 REF# 1	4-30-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 REF # 1	5/1/08 1300	[illegible]	5/1/08 1:300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	5/1/08 1430	C. [illegible]	5/1/08 1430
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5856, I-027	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-029

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-028

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
65' - 67.5'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

PRESERVATION None

TYPE OF CONTAINER Split Spoon Liner

NO. OF CONTAINER(S) 2

VOLUME 1000g

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP98

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TT76	SOIL	4-30-08	1415

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	4-30-08 1600	MO745 REF #1	4-30-08 1600
MO 745 Ref #1	5-1-08 1300	Fluor Hanford D.E. PARCHEN	5-1-08 1300
Fluor Hanford D.E. PARCHEN	5-1-08 1430		5/1/08 1430

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)Density; Particle Density - D854; Particle Size (Dry Sieve) - D422; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; KD - Batch;

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-030

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-029	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488-1	65'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP98

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		
B1TP35	SOIL	4-30-08	1355	✓	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	4-30-08 1600	M0745 REF #1	4-30-08 1600
M0745 REF #1	5/1/08 13:10	DW Brothers	5/1/08 13:00
DW Brothers / DW Brothers	5/1/08 1430	C. Jones	5/1/08 1430

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-029	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-031

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER BAILEY	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-030	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-488-1	67.5'-70.0'	123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP98

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
B1TT77	SOIL	4-30-08	1438

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.K. BAILEY	4.30.08 1600	M0745 REF #1	4-30-08 1600
M0745 REF #1	5-1-08 1200	Fluor Hanford D. E. PARCHEN	5-1-08 1200
Fluor Hanford D. E. PARCHEN	5-1-08 1430		5/1/08 1430

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)Density; Particle Density - D854; Particle Size (Dry Sieve) - D422; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; KD - Batch;

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-032

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

AIR QUALITY ☐

SAMPLING LOCATION
C5856, I-031

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
67.5'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP98

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								
B1TP36	SOIL	4-30-08	1430	✓	✓						

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JR BAILEY / JR Bailey	4-30-08 1600	M0745 REF #1	43008 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 REF #1	5/1/08 13:00	DW Brotherton	5/1/08 13:00
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW Brotherton / DW Brotherton	5/1/08 1430	C. Tom	5/1/08 1430
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-031	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-034

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-033

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
70'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP99

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								
B1TP37	SOIL	4-30-08	1450	✓	✓						

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JC Bailey	4-30-08 1600	MO745 REF #1	4-30-08 1600
MO745 Free #1	5/1/08 1300	DW Brown	5/1/08 1300
DW Brown / DW Brown	5/1/08 1430	Citomi	5/1/08 1430

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5856, I-033	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-033

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-032

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1 pg 26

ACTUAL SAMPLE DEPTH
70'-72.5'

COA
123514E510

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP98

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
B1TT78	SOIL	5-1-08	0830 ✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	5-1-08 1600	MO745 REF #1	5-1-08 1600
MO 745 REF #1	5-6-08 1300	Josh Herrick Fluor Hanford	5-6-08 1300
Josh Herrick Fluor Hanford	5-6-08 13:10	D Smith	5-6-08 13:10

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)Density; Particle Density - D854; Particle Size (Dry Sieve) - D422; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; KD - Batch;

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

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-035

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5856, I-034	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1 pg26	**ACTUAL SAMPLE DEPTH** 72.5' - 75'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP99

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
B1TT79	SOIL	5-1-08	0918 ✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JK Bailey	5-1-08 1600	MO745 REF #1	5-1-08 1600
MO 745 REF #1	5-6-08 1300	Josh Herrick / Fluor Hanford / J. Herrick	5-6-08 1300
Josh Herrick / Fluor Hanford / J. Herrick	5-6-08 1310	DSmith	5-6-08 13:10

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)Density; Particle Density - D854; Particle Size (Dry Sieve) - D422; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; KD - Batch;

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-036

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-035	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488-1 pg 26	72.5'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP99

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		
B1TP38	SOIL	5-1-08	0903	✓	✓

31394

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	5-1-08 1600	MO745 REF #1	5-1-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO745 / REF #1	5-6-08 1310	J. S. Pope	5-6-08 1310
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. S. Pope	5-6-08 1310	DSmith	5-6-08 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
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-036

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5856, I-035	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-037

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5856, I-036	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1 pg 26	**ACTUAL SAMPLE DEPTH** 75'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP99

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									
B1TP39	SOIL	5-1-08	0930	✓	✓							

LOT NO. 28688 ~~31794~~ 5-1-08

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	5-1-08 1600	MO745 (REF #)	5-1-08 1600
MO-745 / REF #1	5-6-08 1300	J.S. Pope /	5-6-08 1300
J. Pope /	5-6-08 1310	DSmith	5-6-08 1310

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-036	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-038

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION C5856, I-037	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1 pg 26	**ACTUAL SAMPLE DEPTH** 77.5'	**COA** 123514ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP99

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									
B1TP40	SOIL	5-1-08	1045	✓	✓							

28688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	5-1-08 1600	MO745 REF #1	5-1-08 1600
MO-745 / REF #1	5-6-08 1300	J. S. Pope / J. S. Pope	5-6-08 1300
J. S. Pope / J. S. Pope	5-6-08 1310	DSmith / DSmith	5-6-08 1310

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY TITLE DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD DISPOSED BY DATE/TIME

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-038

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-037	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-039

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER BAILEY	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-038	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-~~588~~ 488-1 JKB 5-1-08 Pg 26	80'	123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP99

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		
B1TP41	SOIL	5-1-08	1055	✓	✓

28688

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	5-1-08 1600	MOTMS REF #1	5-1-08 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-745/REF #1	5-6-08 1300	J. S. Pope / A. Pope	5-6-08 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. S. Pope / A. Pope	5-6-08 1310	DSmith ~~R. Smith~~	5-6-08 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
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-038	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-040

COLLECTOR NCO SAMPLER D Connolly	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5856, I-039	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1 pg 26	**ACTUAL SAMPLE DEPTH** 82.5'	**COA** 123514ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TP99

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 - 02216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1TP42	SOIL	5-1-8	1235	✓	✓

031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	5-1-8 1600	M0745 Ref	5-1 1600
M0745 Ref #1	5-6-08 1300	J. S. Pope	5-6-08 1300
J. S. Pope	5-6-08 1310	D Smith	5-6-08 1320

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-039	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-041

COLLECTOR
NCO SAMPLER D Connolly

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-040

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1 pg 26

ACTUAL SAMPLE DEPTH
85'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB0

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									
B1TP43	SOIL	5-1-8	1245	✓	✓							

028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	5-1-8 1600	M0745 Ref 1	5-1-8 1600
M0-745 / REF-#1	5-6-08 1310	L.S. Pope	5-6-08 1310
L.S. Pope	5-6-08 1310	D Smith	5-6-08 1310

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-040	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-07S-042

COLLECTOR NCO SAMPLER D Connolly	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
PRICE CODE 8N	**DATA TURNAROUND** 45 Days / 45 Days		
SAMPLING LOCATION C5856, I-041	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1 pg 26	**ACTUAL SAMPLE DEPTH** 87.5'	**COA** 123514ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A	**BILL OF LADING/AIR BILL NO.** N/A	

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB0

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		
B1TP44	SOIL	5-1-8	1300	✓	✓

028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	5-1-8 1600	M0745 Ref 1	5-1-8 1600
M0-245 / REF #1	5-6-08 1310	J.S. Pope	5-6-08 1310
	5-6-08 1310	D Smith	5-6-08 1310

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-041	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-043

COLLECTOR NCO SAMPLER D Connolly	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-042	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1 pg 26	**ACTUAL SAMPLE DEPTH** 90'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB0

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		
B1TP45	SOIL	5-1-8	1340	✓	✓

02F688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	5-1-8 1600	MO 745 Ref 1	5-1-8 1600
MO-745 / Ref. #1	5-6-08 1300	[illegible]	5-6-08 1300
[illegible]	5-6-08 1310	D Smith	5-6-08 1310

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-042	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-044

COLLECTOR
NCO SAMPLER D Connolly

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-043

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1 pg 26

ACTUAL SAMPLE DEPTH
92.5'

COA
123514ES10

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
Radioactive Tie To B1TPB0

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1TP46	SOIL	5-1-8	1355	✓	✓								

028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly	5-1-8 1600	MO 745 Ref 1	5-1-8 1600
MO-745 / REF #1	5-6-08 1300	[illegible] / [illegible]	5-6-08 1300
[illegible]	5-6-08 1310	D Smith	5-6-08 1310

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-043	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-046

COLLECTOR
NCO SAMPLER D Connolly

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-045

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1 pg26

ACTUAL SAMPLE DEPTH
95'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB0

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		
B1TP47	SOIL	5-1-8	1412	✓	✓

028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly DS	5-1-8 1600	M0745 Ref 1	5-1-8 1600
MO-745 / REF. # 1	5-6-08 1300	J. S. Pope	5-6-08 1300
	5-6-08 1310	D Smith	5-6-08 1310

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-045	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-048

COLLECTOR NCO SAMPLER DCannity	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-047	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N488-1 pg 26	**ACTUAL SAMPLE DEPTH** 97.8'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB0

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									
B1TP48	SOIL	5-1-8	1445	✓	✓							

028688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DCannity	5-1-8 1600	MO745 Ref 1	5-1-8 1600
MO-745 / REF #1	5-6-08 1300	J. S. Pope / A. Pope	5-6-08 1300
J. S. Pope / A. Pope	5-6-08 1310	D Smith	5-6-08 1310

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-047	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-050

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER D Connally	TRENT, STEVE	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
C5856, I-049	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488-1 pg 26	5-1-8 100'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB1

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
B1TP49	SOIL	5-1-8	1505 ✓

02868

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connally	5-1-8 1600	M0745 Ref 1	5-1-8 1600
M0745 REF #1	5-6-08 1300	J.S. Pope	5-6-08 1300
J.S. Pope	5-6-08 1310	D Smith	5-6-08 1310

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-049	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-052

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-051

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
102.5'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB1

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									
B1TP50	SOIL	5-8-08	0820	✓	✓							

LOT NO. 28688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JFBAILEY / JKBailey	5-8-08 1600	MO745 REF #3	5-8-08 1600
MO-745 REF # 3	MAY 09 2003/1030	K.J. YOUNG	MAY 09 2008/1030
K.J. YOUNG	5/9/08 1400		5/9/08 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**

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-051	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-054

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-053

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-IN-488 - 1

ACTUAL SAMPLE DEPTH
105'

COA
123514ES10

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
Radioactive Tie To B1TPB1

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1TP51	SOIL	5-8-08	0845	✓	✓

LOT NO. 31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	5-8-8 1600	MO745 REF #3	5-8-8 1600
MO-745 REF #3	MAY 09 2008 1030	K.J. YOUNG / K.J. Young	MAY 09 2008 / 1030
K.J. YOUNG / K.J. Young	5/9/08 1400	[illegible]	5/9/08 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**

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-053	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-056

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-055	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488-1	107.5'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB1

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										
B1TP52	SOIL	5-8-8	0910	✓	✓								

31394

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JRBAILEY / [signature]	5-8-8 1600	MO745 REF #3	5-8-8 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-745 Ref # 3 1030	MAY 09 2008	K.W. YOUNG [signature]	MAY 09 2008 1030
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.W. YOUNG [signature]	5/9/08 1400	[signature] C. Tom	5/9/08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-055	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-058

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5856, I-057	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 110'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB1

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									
B1TP53	SOIL	5-8-8	0955	✓	✓							

31394

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	5-8-8 1600	MO745 REF #3	5-8-8 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-745 RBF #3	MAY 09 2008/1030	K.W. YOUNG	MAY 09 2008/1030
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.W. YOUNG	5/9/08 1400		5/9/08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-057	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-060

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-059	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 112.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB1

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		
B1TP54	SOIL	5-8-8	1115	✓	✓

LOT NO. 31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / [signature]	5-8-8 1600	MO745 REF #3	5-8-8 1600
MO-745 REF #3	MAY 09 2008 1030	K.J. YOUNG [signature]	MAY 09 2008 1030
K.J. YOUNG [signature]	5/9/08 1400	[signature]	5/9/08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-060

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-059	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-062

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER BAILEY	TRENT, STEVE	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
C5856, I-061	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488-1	115'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB2

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		
B1TP55	SOIL	5-8-8	1400	✓	✓

LOT NO. 3394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY	5-8-8 1600	MO745 REF #3	5-8-8 1600
MO-745 Ref #3	MAY 09 2008 1030	K.W. YOUNG	MAY 09 2008 1030
K.W. YOUNG	5/9/08 1400	C. Tom	5/9/08 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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-061	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-064

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER BAILEY	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-063	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-488-1	117.5'	123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tle To B1TPB2

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										
B1TP56	SOIL	5-8-8	1425	✓	✓								

LOT NO. 31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY JKBailey	5-8-8 1600	MO745 REF#3	5-8-8 1600
MO-745 RBR #3	MAY 09 2008/1030	W. YOUNG	MAY 09 2008/1030
W. YOUNG	5/9/08 1400	C. Lom	5/9/08 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**	

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-064

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-063	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-065

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** C5856, I-064	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 120'	**COA** 123514E510	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB2

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		
B1TP57	SOIL	5-9-8	0750	✓	✓

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKFAMILY/JKBeiQ	5-9-8 1500	MO745 REF #1	5-9-8 1500
MO.745 REF #1	5-14-08 1130	R.PFISTER/[signature]	5-14-08 1130
R.PFISTER/[signature]	5.14.08 1145	[signature] C.Tom	5/14/08 1145

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-064	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-066

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5856, I-065	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 122.5'	**COA** 123514ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB2

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		
B1TP58	SOIL	5-9-8	0755	✓	✓

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JF BAILEY / JF BAILEY	5-9-8 1500	M0745 REF #1	5-9-8 1500
M0745 REF #1	5-14-08 1130	R. PFISTER / [signature]	5-14-08 1130
R. PFISTER / [signature]	5-14-08 11:45	[signature] CUM	5/14/08 11:45

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-065	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-067

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-066

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
125'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB2

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										
B1TP59	SOIL	5-9-8	0830	✓	✓								

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JFBAILEY / JFBAILEY	5-9-8 1500	M0745 REF #1	5-9-8 1500
M0745 REF #1	5-14-08 1130	R. PFISTER / [illegible]	5-14-08 1130
R. PFISTER / [illegible]	5-14-08 1145	C. TOWN / [illegible]	5/14/08 1145

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-075-067** |

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-066	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-068

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5856, I-067	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 127.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB2

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										
B1TP60	SOIL	5-9-8	0840	✓	✓								

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY	5-9-8 1500	M0745 REF#1	5-9-8 1500
M0745 REF#1	5-14-08 1130	R.PFISTER	5-14-08 1130
R.PFISTER	5-14-08 11:45	C.Tom	5/14/08 1145

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-067	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-070

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-069

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
130'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB3

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									
B1TP61	SOIL	5-9-8	0900	✓	✓							

31394

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JE BAILEY / JE Bailey	5-9-8 1500	M0715 REF #1	5-9-8 1500
M0745 REF #1	5/15/08 07:30	DW Brothers / DW Brothers	5/15/08 07:30
DW Brothers / DW Brothers	5/15/8 9:00	C. Tori	5/15/08 900

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5856, I-069	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-072

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER BAILEY	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-071	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-488-L	132.5'	123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB3

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								
B1TP62	SOIL	5-9-8	0920	✓	✓						

31394

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	5-9-8 1500	M0745 REF #1	5-9-8 1500
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0-745 Ref #1	5/15/8 07:30	DWBrothers / DWBrothers	5/15/08 07:30
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DWBrothers / DWBrothers	5/15/8 900	C. Tom	5/15/08 900
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-071	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-074

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5856, I-073	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-485-1	**ACTUAL SAMPLE DEPTH** 135'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB3

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		
B1TP63	SOIL	5-9-8	1013	✓	✓

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JBAILEY / JBailey	5-9-8 1500	M0745 REF #1	5-9-8 1500
M0745 REF #1	5/15/08 07:30	DW Brothers / DW Brothers	5/15/08 07:30
DW Brothers / DW Brothers	5/15/8 900	C. Journ	5/15/08 900

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-074

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5856, I-073	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-076

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER BAILEY	TRENT, STEVE	373-5869	WIDRIG, DL			

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	45 Days / 45 Days
C5856, I-075	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075	☐	

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488-1	137.5'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB3

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
B1TP64	SOIL	5-9-8	1038

31394

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J BAILEY/ 5-9-8	1500	M0745 REF #1 5-9-8	1500
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 REF #1 5/15/8	0730	DW Brotherton/DW Brotherton	5/15/8 0730
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW Brotherton/DW Brotherton 5/15/8	9.00	C. Tovni	5/15/8 900
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-075	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-078

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5856, I-077	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 140'	**COA** 123514E510
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB3

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
B1TP65	SOIL	5-9-8	1105

31394

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY	5-9-8 1500	MC745 REF #1	5-9-8 1500
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MC745 REF #1	5/15/8 0730	DW BROTHERS	5/15/8 7:30
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW BROTHERS	5/15/8 900	C. TOWN	5/15/8 900
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY — TITLE — DATE/TIME

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-078

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-077	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-080

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5856, I-079	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 142.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB3

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								
B1TP66	SOIL	5-9-8	1240	✓	✓						

31394

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/	5-9-8 1500	M0745 REF #1	5-9-8 1500
M0745 REF #1	5/15/08 0730	DW BROTHERS/	5/15/08 0730
DW BROTHERS/	5/15/08 900	C. IOVINI	5/15/08 900

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**

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-080

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE**	8N
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐
C5856, I-079	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			123514ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

DATA TURNAROUND

45 Days / 45 Days

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-082

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-081	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488-1	145'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB4

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										
B1TP67	SOIL	5-9-8	1300	✓	✓								

3174

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey / JKBailey	5-9-8 1520	W0745 REF #1	5-9-8 1500
W0-745 REF #1	5/15/08 07:30	DWB / DWBrothers	5/15/08 07:30
DWBrothers / DWB	5/15/08 900	C. Iovini	5/15/08 900

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-082

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-081	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-084

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5856, I-083	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 147.5'	**COA** 123514ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB4

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										
B1TP68	SOIL	5-9-8	1325	✓	✓								

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY KKBailey	5-9-8 1500	MO745 REF #1	5-9-8 1500
MO 745 REF #1	5/15/08 07:30	DW Brotherton / DWBrotherton	5/15/08 07:30
DW Brotherton / DWBrotherton	5/15/08 900	C. Tom	5/15/08 900

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	BN	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-083	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-086

COLLECTOR
NCO SAMPLER BAILEY

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-085

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
150'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB4

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
B1TP69	SOIL	5-9-8	1355 ✓ ✓

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	5-9-8 1500	M0745 REF#1	5-9-8 1500
M0745 REF#1 5/9/08	5/15/08 07:30	DWBeasley-/DWBeasley	5/15/08 07:30
DWBeasley-/DWBeasley	5/15/08 900	C. Johns	5/15/08 900

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-075-086** | **PAGE 2 OF 2**

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
CS856, I-085	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-088

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** C5856, I-087	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 152.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB4

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									
B1TP70	SOIL	5-12-8	0925	✓	✓							

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JKBailey	5-12-8 1600	M0745 REF#1	5-12-8 1600
M0745 REF #1	5/15/8 08:00	DW Brothers / DW Brothers	5/15/8 08:00
DW Brothers / DW Brothers	5/15/8 9:00	P. Funi	5/15/08 9:00

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5856, I-087	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-090

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5856, I-089	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 155'	**COA** 123514ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB4

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									
B1TP71	SOIL	5-12-8	1025	✓	✓							

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / [signature]	5-12-8 1600	MO745 REF #1	5-12-8 1600
MO745 - REF #1	5/15/8 0800	DW Brothers / [signature]	5/15/8 0800
DW Brothers / [signature]	5/15/8 9:00	C. Jouni / [signature]	5/15/08 9:00

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-089	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-092

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5856, I-091	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 157.5'	**COA** 123514ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB4

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		
B1TP72	SOIL	5-12-8	1105	✓	✓

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY	5-12-8 1600	M0745 REF#1	5-12-8 1600
M0745-REF#1	5/15/8 08:00	DWBeckwith	5/15/8 08:00
DWBeckwith	5/15/8 9:00	C. Iovini	5/15/08 9:00

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-092

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-091	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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 5&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-094

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-093	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-408-1	160'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB5

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		
B1TP73	SOIL	5-12-8	1130	✓	✓

51394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY	5-12-8 1600	M0745 REF #1	5-12-8 1600
M0745 REF #1	5/15/8 08:00	DWBrothers/DWBrothers	5/15/8 08:00
DWBrothers/DWBrothers	5/15/8 9:00	C. Iovini	5/15/08 9:00

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-075-094** | **PAGE 2 OF 2**

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C5856, I-093	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

(A7003 (8/01/06))
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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-096

COLLECTOR NCO SAMPLER MA White	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days				
SAMPLING LOCATION C5856, I-095	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 162.5"	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB5

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		
B1TP74	SOIL	5-2-08	1349	✓	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MA White MA White	5-8-08 1400	MO 245 Fric 1	5-12-08 1600
MO 745 FRIG #1	5/19/08 1230	J. Herrick J Herrick	5/19/08 1230
J. Herrick J Herrick	5/19/08 13:00	D Smith D Smith	5/19/08 13:00

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-096

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	-	**45 Days / 45 Days**
C5856, I-095	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-098

COLLECTOR NCO SAMPLER Ma White	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5856, I-097	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 165'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

DATA TURNAROUND 45 Days / 45 Days

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB5

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		
B1TP75	SOIL	5-12-08	1436	✓	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ma White Ma White	5-12-08 1600	MO 745 Fridge 1	5-12-08 1600
MO 745 Fridge #1	5/15/08 08:00	DuBeau DuBeau	5/15/8 08:00
DuBeau DuBeau	5/15/8 9:00	C. Fini	5/15/08 9:00

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-097	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-100

COLLECTOR NCO SAMPLER MA White	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5856, I-099	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 167.5'	**COA** 123514ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB5

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								
B1TP76	SOIL	5-13-08	0804	✓	✓						

LOT # 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MA White MA White	5-13-08 1600	Mo 745 Frig L	5-13-08 1600
MO 745 Frig #1	5/15/8 0800	DW Brothers/DW Brothers	5/15/8 0800
DW Brothers/DW Brothers	5/15/8 9:00	C. Tom	5/15/08 9:00

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-099	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-101

COLLECTOR NCO SAMPLER M+ White	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-100	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 170'	**COA** 123514ES10	**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
Radioactive Tie To B1TPB5

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TP77	SOIL	5-13-08 ✓	0842 ✓

LOT# 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M+ White M+ White	5-13-08 1600	MO 745 Fric 1	5-13-08 1600
MO 745 FRIG #1	5/15/8 08:00	DuBeattie/DuBeattie	5/15/8 08:00
DuBeattie/DuBeattie	5/15/8 9:00	C. Iovin	5/15/08 9:00

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY TITLE DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD DISPOSED BY DATE/TIME

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-100	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-103

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER MA White	TRENT, STEVE	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-105	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488-1	180'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB6

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									
B1TP78	SOIL	5-13-08	0955	✓	✓							

LOT# LW 5-20-08 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MA White MA White	5-13-08 1600	Mo 745 Frig 1	5-13-08 1600
Mo 745 Frig 1	5-20-08 1200	MA White MA White	5-20-08 1200
MA White MA White	5-20-08 1320	DSmith	5-20-08 1320

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-103

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-105	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-105

COLLECTOR
NCO SAMPLER MaWhite

COMPANY CONTACT
TRENT, STEVE

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
WIDRIG, DL

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
C5856, I-107

PROJECT DESIGNATION
200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G

SAF NO.
F08-075

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-488-1

ACTUAL SAMPLE DEPTH
182.5'

COA
123514ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB6

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								
B1TP79	SOIL	5-13-08	1025	✓	✓						

LOT # 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MaWhite MaWhite	5-13-08 1600	No 745 Fri 1	5-13-08 1600
No 745 Fri 1	5-20-08 1200	MaWhite MaWhite	5-20-08 1200
MaWhite MaWhite	5-20-08 1320	Smith	5-20-08 1320

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-107	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-107

COLLECTOR NCO SAMPLER MA. White	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-109	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** MF-N-488-1	**ACTUAL SAMPLE DEPTH** 185'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB6

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									
B1TP80	SOIL	5-13-08	1302	✓	✓							

LOT# 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MA White MA White	5-13-08 1600	MO 745 Fri	5-13-08 1600
MO 745 Fri	5-20-08 1200	MA White MA White	5-20-08 1200
MA White MA White	5-20-08 1320	D Smith	5-20-08 1320

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY TITLE DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD DISPOSED BY DATE/TIME

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-109	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-109

COLLECTOR NCO SAMPLER MA White	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-111	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-L	**ACTUAL SAMPLE DEPTH** 187.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB6

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									
B1TP81	SOIL	5-13-08	1334	✓	✓							

LOT # 251394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MA White MA White	5-13-08 1600	MO 745 Fri 1	5-13-08 1600
MO 745 Fri 1	5-20-08 1200	MA White MA White	5-20-08 1200
MA White MA White	5-20-08 1320	D Smith	5-20-08 1320

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY — TITLE — DATE/TIME

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-111	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-111

COLLECTOR NCO SAMPLER MA White	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5856, I-113	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 190'	**COA** 123514ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB6

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									
B1TP82	SOIL	5-13-08	1411	✓	✓							

LOT # 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MA White MA White	5-13-08 1600	MO 745 Fri 1	5-13-08 1600
MO 745 Fri 1	5-20-08 1200	Alice White MA White	5-20-08 1200
MA White MA White	5-20-08 1320	D Smith	5-20-08 1320

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-113	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-488-1		123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-113

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
C5856, I-115	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075	☐

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488 1	192.5	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TPB6

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
B1TP83	SOIL	5/16/08	0705

Lot# 031384

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J Hernick	5/16/08 1500	MO 745 FRIG #1	5/16/08 1500
MO 745 Frig 1	5-20-08 1200	MA White MA White	5-20-08 1200 5-20-08
MA White MA White	5-20-08 1320	D Smith	5-20-08 1320

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C5856, I-115	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-488 /	' 192.5	123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-114

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE**	**DATA TURNAROUND**
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	8N	
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	45 Days / 45 Days
C5856, I-116	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075	☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-488 1	195'	123514ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT57

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										
B1TP84	SOIL	5/16/08	0807	X	X								

Lot# 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Heinrich J. Heinrich	5/16/08 1500	MO 745 FRIG #1	5/16/08 1500
MO 745 Frig #1	5-22-08 1330	Chris Fulton / [illegible]	5-22-08 1330
Chris Fulton / [illegible]	5-22-08 1400	D Smith [illegible]	5-22-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-114

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	**AIR QUALITY** ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
C5856, I-116	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-488 /	195	123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-116

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-123	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488 1	210'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT58

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		
B1TP85	SOIL	5/16/08	1313	X	X

Lot # 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick [signature]	5/16/08 1500	MO 745 FRIG #1	5/16/08 1500
MO 745 Frig #1	5-22-08 1330	Chris R Hun [signature]	5-22-08 1330
Chris R Hun [signature]	5-22-08 1400	D Smith [signature]	5-22-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-116

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C5856, I-123	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-488 /	210'	123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-118

COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** C5856, I-125	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488 / 0634	**ACTUAL SAMPLE DEPTH** 212.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT58

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		
B1TP86	SOIL	5/16/08	1410	X	X

Lot # 031544

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Heirick	5/16/08 1500	MO 745 FRIG #1	5/16/08 1500
MO 745 Frige #1	5-22-08 1330	Christutton	5-22-08 1330
Christutton	5-22-08 1400	DSmith	5.22.08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-125	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-488)	212.5'	123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-120

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** C5856, I-127	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 215'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT58

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		
B1TP87	SOIL	5-20-8	0805	✓	✓

28688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JKB	5-20-8 1600	M0745 REF #1	5-20-8 1600
M0745 Fridge #1	5-22-08 1330	Christutton / Christutton	5-22-08 1330
Christutton / Christutton	5-22-08 1400	D Smith	5-22-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-120

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-127	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-122

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5856, I-129	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 217.5'	**COA** 123514ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT58

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
B1TP88	SOIL	5-20-8	0950

28688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK Bailey / [signature]	5-20-8 1600	M0745 REF #1	5-20-8 1600
M0745 Fridge #1	5-22-08 1330	Chris Fulton / [signature]	5-22-08 1330
Chris Fulton / [signature]	5-22-08 1400	D Smith [signature]	5-22-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-129	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-124

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-131	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-488-1	220'	123514ES10	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
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT58

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1TP89	SOIL	5-20-8	1025

28688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey	5-20-8 1600	M0745 REF #1	5-20-8 1600
M0745 Fridge #1	5-22-08 1330	Chris Fulton	5-22-08 1330
Chris Fulton	5-22-08 1400	D Smith	5-22-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-131	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-126

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5856, I-133	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 222.5'	**COA** 123514ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT58

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										
B1TP90	SOIL	5-20-8	1130	✓	✓								

28688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBailey	5-20-8 1600	M0745 REF #1	5-20-8 1600
M0745 Fridge #1	5-22-08 1330	Chris Fulton/Chris	5-22-08 1330
Chris Fulton/Chris	5-22-08 1400	D Smith	5-22-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	BN	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-133	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-128

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5856, I-135	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 225'	**COA** 123514ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT59

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		
B1TP91	SOIL	5-20-8	1435	✓	✓

28688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J Bailey	5-20-8 1600	MO745 REF #1	5-20-8 1600
MO745 Ref 1	5-28-8 1230	D Connolly	5-28-08 1230
D Connolly	5-28-8 1300	D Smith	5-28-08 1300

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-135	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-131

COLLECTOR NCO SAMPLER LEBB	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5856, I-137	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-4881	**ACTUAL SAMPLE DEPTH** 227.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT59

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		
B1TP92	SOIL	5-22-08	1120	X	X

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW WEBB / [illegible]	5-22-08 / 1600	MO 413 FRIDGE	5-22-08 / 1600
MO-413 / FRIDGE #2	6/4/08 11:30	[illegible]	6/4/08 11:30
[illegible]	6/4/08 1315	C. Tom [illegible]	6/4/08 1315

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-131

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-137	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-132

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5856, I-138	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	F08-075

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-4881	230'	123514ES10	GOVERNMENT VEHICLE

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

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT59

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										
B1TP93	SOIL	5-22-08	1411	X	X								

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
DW Webb/[illegible]	5-22-08/1600	MC 413 FRIDGE	5-22-08/1600
413 FRIDGE #2	6/4/08 11:30	Brothers	6/4/8 11:30
Brothers/[illegible]	6/4/8 1315	[illegible]	6/4/08 1315

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-132

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5856, I-138	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-133

COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-139	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-4881	**ACTUAL SAMPLE DEPTH** 232.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To B1TT59

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		
B1TP94	SOIL	5-22-08	1455	X	X

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[illegible]	5-22-08/1600	MC 413 FRIDGE	5-22-08/1600
MO 744 413 Fridge #2	6/4/8 11:30	Brotherson/[illegible]	6/4/8 11:30
Brotherson/[illegible]	6/4/8 1315	C. Tom	6/4/8 1315

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-139	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	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.
** ESL is to determine unsaturated hydraulic conductivity using the method(s) best suited for the soil texture and type.
** 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)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-157

COLLECTOR NCO SAMPLER MA White	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-101	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 172.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TPB5

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
B1TNW6	SOIL	5-13-08	0848

LOT # 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MA White MA White	5-13-08 1600	MO-745 Frig 1	5-13-08 1600
MO-745 REF#1	5/15/8 0800	DW Bettesen / DW Bettesen	5/15/8 08[illegible]
DW Bettesen / DW Bettesen	5/15/8 9:00	C. Irwin	5/15/08 0900

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-157

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-101	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-158

COLLECTOR NCO SAMPLER MA White	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5856, I-102	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488-1	**ACTUAL SAMPLE DEPTH** 175'	**COA** 123514ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8N

AIR QUALITY ☐

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TPB5

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		
B1TNW7	SOIL	5-13-08	0927	✓	✓

LOT# 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MA White MA White	5-13-08 1600	MO 475 Frig 1	5-13-08 1600
MO 745 REF #1	5/15/8 0800	DW Beckner	5/15/08 0800
DW Beckner	5/15/8 9:00	C. Tovini	5/15/08 9:00

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-158

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-102	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-159

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER MALWhite	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-103	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-488.1	177.5'	123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TPB5

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									
B1TNW8	SOIL	5-13-08	0937	✓	✓							

LOT# 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MALWhite MALWhite	5-13-08 1600	MO 745 Frig 1	5-13-08 1600
MO 745 FRIG #1	5/19/08 1230	J. Herrick J. Herrick	5/19/08 1230
J. Herrick J. Herrick	5/19/08 1300	D Smith	5/19/08 1300

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-159

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, I-103	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
			123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-160

COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days	**SAMPLING LOCATION** C5856, I-117	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G	**SAF NO.** F08-075	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488 1 P634	**ACTUAL SAMPLE DEPTH** 197.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A	

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TT57

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									
B1TNW9	SOIL	5/16/08	0830	X	X							

Lot # 031394

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick	5/16/08 1500	MO 745 FRIDG #1	5/16/08 1500
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO745 Fridge #1	5-22-08 1330	Christutton	5-22-08 1330
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Christutton	5-22-08 1400	D Smith	5-22-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-160

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C5856, I-117	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-488 /	197.5	123514ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-161

COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5856, I-118	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-4881	**ACTUAL SAMPLE DEPTH** 200'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TT57

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									
B1TNX0	SOIL	5/16/08	0912	X	X							

Lot# 031397

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick	5/16/08 1500	MO 745 FRIDGE #1	5/16/08 1500
MO 745 Fridge #1	5-22-08 1330	Chris Fulton	5-22-08 1330
Chris Fulton	5-22-08 1400	DSmith	5-22-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-075-161** | **PAGE 2 OF 2**

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
C5856, I-118	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N 488 /	200'	123514ES10	GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
Environmental Sciences Laboratory	N/A		N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-162

COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-119	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488 /	**ACTUAL SAMPLE DEPTH** 202.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TT57

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
B1TNX1	SOIL	5/16/08	0935

Lot # 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick J. Herrick	5/16/08 1500	MO 745 Fridge #1	5/16/08 1500
MO 745 Fridge #1	5-22-08 1330	Chris Hutton/Chris	5-22-08 1330
Chris Hutton/Chris	5-22-08 1400	DSmith	5-22-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-119	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-488 /	202.5'	123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-163

COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5856, I-120	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-485 1	**ACTUAL SAMPLE DEPTH** 205'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TT57

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
B1TNX2	SOIL	5-16-08	1045

Lot # 031394

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Heinick J. Heinick	5/16/08 1300	MO 745 FRIDGE #1	5-16-08 1500
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO 745 Fridge # 1	5-22-08 1330	Chris Fulton	5-22-08 1330
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Chris Fulton	5-22-08 1400	D Smith	5-22-08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-163

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	45 Days / 45 Days
C5856, I-120	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-488 /	205'	123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

A-6003-608(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-164

COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5856, I-121	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		**SAF NO.** F08-075	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-488 1	**ACTUAL SAMPLE DEPTH** 207.5'	**COA** 123514ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1TT57

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		
B1TNX3	SOIL	5-16-08	1122	X	X

Lot # 631394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Heitrick J. Heitrick	5-16-08 1500	MO 745 FRIG #1	5-16-08 1500
MO 745 Fridge #1	5-22-08 1330	Christutton/Christutton	5-22-08 1330
Christutton/Christutton	5-22-08 1400	DSmith	5-22-08 1400

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-07S-164

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	AIR QUALITY	☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**			
C5856, I-121	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075			
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**		
	HNF-N-488 1	207.5'	123514ES10	GOVERNMENT VEHICLE		
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**			
Environmental Sciences Laboratory	N/A		N/A			

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
(1)6020M_ICPMS_ASTM_AE (TAL) {Cadmium, Chromium, Silver} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6020M_METALS_ICPMS_WE (TAL) {Cadmium, Chromium, Silver} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Lead, Molybdenum, Selenium} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Beryllium, Boron, Lithium, Strontium, Thallium} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} I-129 by ICPMS {Iodine-129} ALPHA_AE {Gross alpha} BETA_AE {Gross beta} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TOC - ASTME1915A {Total Inorganic Carbon, Total carbon, Total organic carbon} pH (Water) - 9045_WE;

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