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

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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

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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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
l4265-44-2	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			

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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 DP-5 Drill		

Logged by: Michelle Valenta (Print) / Michelle Valko (Sign)

Reviewed by: ______ 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 [illegible]
17	G	BHP23	SM		gS gravelly sand 20% G, 75% S, 5% Z. poorly sorted. max=20mm. G- 70% basalt, S- 70% mafic G- subround 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 4/3 (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 4/3 (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

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

Pacific Northwest National Laboratory	**GEOLOGIC LOG**	Boring/Well No C5854/299-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 Valentine (Michelle Valentine) — 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
~~25~~	~~G~~	~~B4-T28~~	SM					Slightly gravelly sand. 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~~	~~B4-T29~~	SM					gs- gravelly sand. 25% G, 70% S, 5% Z. poorly sorted. max. part. = 10mm. G- 60% 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~~	~~B4-T30~~	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~~	~~B4-NW9~~	SM					same as above.	
~~40~~	~~G~~	~~B4-NW0~~	SM					gs- gravelly sand. 20% G, 80% sand. mod-sorted max. part. = 7mm. G- ang to sub rounded, 70% basalt, v fine to fine pebbles. S - 30% mafic. loose. 2.5Y 5/2 (grayish brown). no rxn to HCl.	
~~42.5~~	~~G~~	~~B4-NW1~~	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

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

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856/299 E33-341	Depth 45-57.5	Date [illegible]	Sheet 3 of 15
		Location W of BY Crib	Project BP-5 D well		

Logged by Michelle Valenta (Print) Michelle Valle (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 pebbles.	
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

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

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 Cib Project BP-5 D Well

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

Reviewed by ______ 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	B1TP33	SM			
					(g)S - 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 (lt gray). loose. weak rxn to HCl.	
62.5	G	B1TP34	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	B1TP35	SM			
					(g)S - slightly gravelly sand. 10% G, 85% S, 5% Z, mod-sorted. G max = 4mm, ang. to sub ang, 80% basalt, S - 20% mafic. 2.5Y 7/2 (light gray). some weakly consol aggregates	
67.5	G	B1TP36	SM			
					Same as above. G max = 8mm. little aggregates.	
70	G	B1TP37	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	B1TP38	SM			

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

Pacific Northwest National Laboratory	**GEOLOGIC LOG**	Boring/Well No C5856/299-E33-341	Depth 75-87.5	Date 6/16-6/16/08	Sheet 5 of 15
		Location W of BY Cribs	Project BP-5 Drill		

Logged by Michelle Vokins Michelle Vokins (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
75	G	BHP39	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	BHP40	SM					S 95% sand, 5% Z. max part = med sand well sorted. S- 10% mafic. loose. 2.5Y 7/3 (pale yellow). weak rxn to HCl.	
80	G	BHP41	SM					same as above.	
82.5	G	BHP42	SM					same as above	
85	G	BHP43	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 => weak rxn to HCl.	
87.5	G	BHP44	SM					cgls - 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

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 Michelle Valerio (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
90	G	BHP45	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	BHP46	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	BHP47	SM					(g)S - slightly gravelly sand 10% G, 90% mod to v. coarse sand max part = 5mm. G - 50% 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	BHP48	SM					same as above. weak rxn to HCl.	
100	G	BHP49	SM					gS - gravelly sand. 30% G, 70% mod to v. coarse sand. max part = 11mm G - v-fine pebbles, 10% basalt, ang to sub ang. S - 30% mafic. loose. 2.5Y 6/2 (lt. brownish gray).	
102.5	G	BHP50	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. < weak rxn to HCl.	

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

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5754/ 299-E33-341	Depth 105-117.5	Date 6/11/07	Sheet 7 of 15
		Location W of BY crib	Project PP-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
105	G	BITP51	SM		S- sand 95% v. fine to fine sand 5% Z max part = med. sand. well-sorted. S- 10% mafic 2.5Y 6/3 (lt. yellowish brown). weakly consol. aggregates - mod. rxn to HCl. S- weak rxn to HCl.	
107.5	G	BITP52	SM		S- sand 5% G, 95% med. to v. coarse sand max. part - 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	BITP53	SM		S- 95% coarse to v. coarse sand 5% G. max part. = 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	BITP54	SM		S- 5% G, 90% v. fine to v. coarse sand, 5% Z. max part = 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	BITP55	SM		(g)S slightly gravelly sand 10% G, 85% v. fine to v. coarse sand, 5% Z. max. part. = 3mm. G- v. fine pebbles, ang, 50% basalt. S- 20% mafic. 2.5Y 7/2 (lt. gray) S- weak rxn to HCl. loose.	
117.5	G	BITP56	SM		Same as above.	

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

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

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5856/299-E33-341 Location W of BY Crib	Depth 120-132.5 Date 6/11/08 Project BP-5 D well	Sheet 8 of 15

Logged by Michelle Valenta (Print) M. 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
120	G	B1TP57	SM	S	S-sand. trace gravel, 95% fine to v. coarse sand, 5% Z. 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	B1TP58	SM	S	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	B1TP59	SM	S	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	B1TP60	SM	S	gS- gravelly sand. 20% G, 80% fine to v. coarse sand max. part. = 5mm. 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	B1TP61	SM	S	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	B1TP62	SM	S	(g)S- slightly gravelly sand. 10% G, 85% fine to v. coarse sand 5% Z. 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)

Pacific Northwest National Laboratory

GEOLOGIC LOG

Boring/Well No C5856/299-E33-341 Depth 135-147.5 Date 6/11/08 Sheet 9 of 15

Location W of BY Crib Project BP-5 D well

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

Reviewed by ______ 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
135	G	BITP63	SM		S-sand. 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. 100% 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 vfine 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-vfine 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

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

Pacific Northwest National Laboratory	**GEOLOGIC LOG**	Boring/Well No C5856/299-E33-341	Depth 150-157.5	Date 7/11/18	Sheet 10 of 15
		Location W of BY crib	Project BP-5 Dwell		

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

Reviewed by (Print) (Sign) Date | Driller

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

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C	Z	S	G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
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)gS- 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, 50% 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. = 1mm. 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

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 Michelle Valenta (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
160	G	BHP73	SM		(g)S- slightly gravelly sand. 10% G, 90% fine to V. coarse sand. max. part = 8mm. G- V. fine to fine pebbles, 60% basalt, ang-to sub-round. S- 20% mafic. loose. 2.5Y 7/2 (lt. gray). weak rxn to HCl. mod-sorted	
162.5	G	BHP74	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	BHP75	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	BHP76	SM		gS- gravelly sand 15% G, 85% V. fine to V. coarse sand. 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	BHP77	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	BHNW6	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

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

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5854/299-E33-341	Depth 175-187.5	Date 6/12/08	Sheet 12 of 15
		Location W of BY Crib	Project BD-5 D well		

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

Reviewed by ______ 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	B1FNW7	SM	S	(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- aggreg. - strong rxn to HCl. S- weak rxn HCl.	
177.5	G	B1FNW8	SM	S	gS gravelly sand. 25% G, 75% fine to v. coarse S. max. part = 6mm. G - v. fine to fine pebbles, ang. to sub-round, 60% basalt, S 30% mafic, loose, mod sorted 2.5Y 6/2 (lt brownish gray).	
180	G	B1FP78	G	S	(m)gS slightly muddy gravelly sand. 20% G, 75% fine to v. coarse sand, 5% Z. max. part. = 5mm. G - bulk - v. fine pebbles, 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	B1FP79	SM	S	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	B1FP80	SM	S	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	B1FP81	SM	S	Same as above. max. part = 10mm. G - very fine to med pebbles, 60% basalt	

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

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

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

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

Reviewed by ______ 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		(m)gS - 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 mud pebbles. ≤ 10% mafic. 2.5Y 5/2 (grayish brown). loose + strong compaction w/ mud, sand + pebbles, ≥ 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. ≤ 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 - one 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

Pacific Northwest National Laboratory	**GEOLOGIC LOG**	Boring/Well No C5856/299-E33-341	Depth 205-217.5	Date 6/12/08	Sheet 14 of 15
		Location W of BY Crib	Project BP-5 Drill		

Logged by Michelle Valenta (Print) Michelle Valko (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	BITNX2	D					msG - muddy sandy gravel. 60% G, 30% Sand, 10% Z. max-part = 30mm. G - sub round to round, 60-70% breath, v. fine to coarse pebbles. S - 10% mafic. 2.5Y 7/1 (lt. gray). loose, poorly sorted	
207.5	G	BITNX3	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	BITP85	D					Same as above - max part = 6mm.	
212.5	G	BITP86	SM					Same as above - max part = 10-15mm. 2.5Y 6/2 (lt. brownish gray)	
215	G	BITP87	D					Same as above. max. part = 20mm. G - broken pieces 2.5Y 6/1 (gray)	
217.5	G	BITP88	D					Same as above. lots of broken gravel, max. part = 20mm.	

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

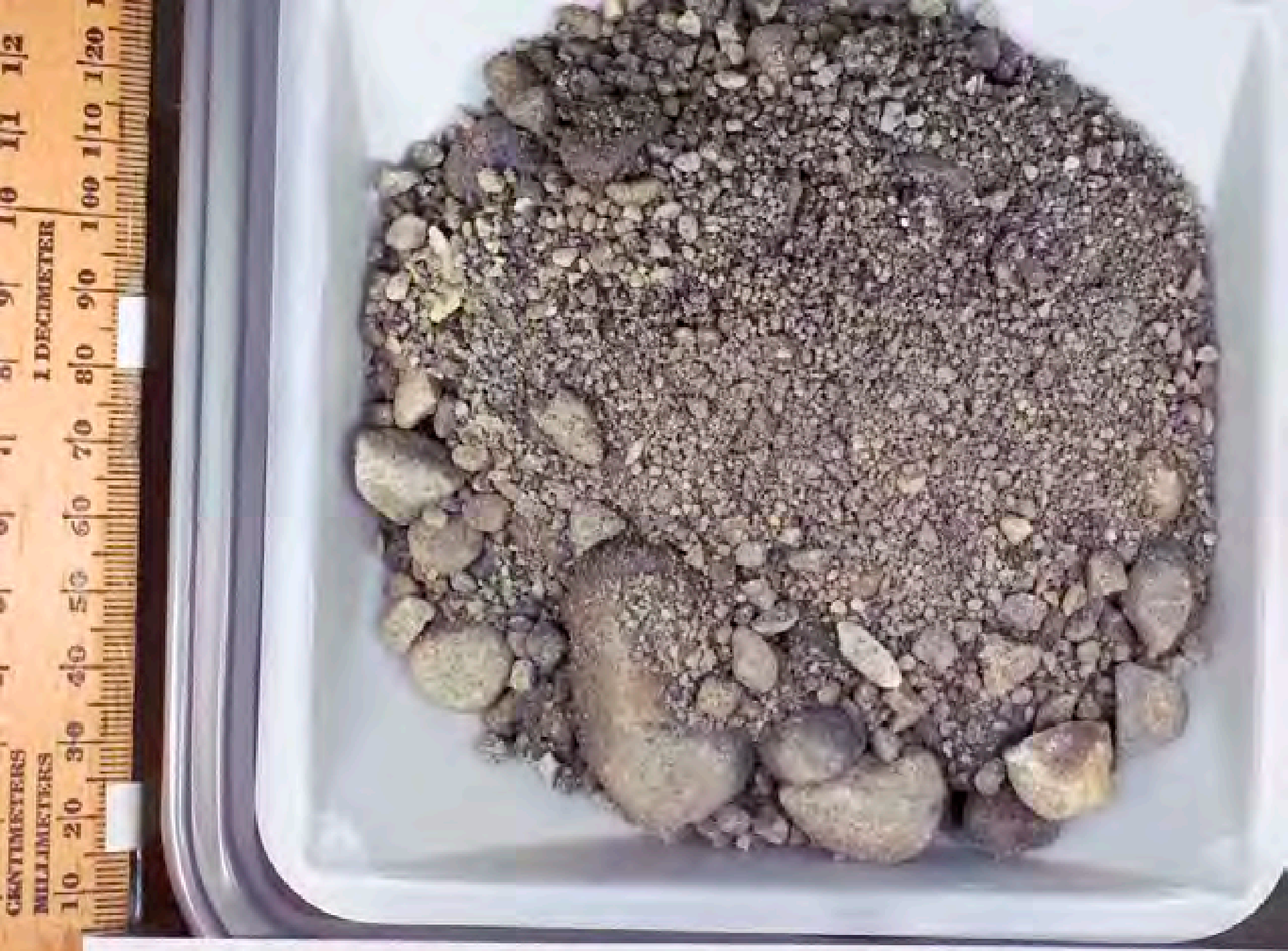
Pacific Northwest National Laboratory	**GEOLOGIC LOG**	Boring/Well No C5856/299-E33-341	Depth 220-232.5	Date 6/12/17	Sheet 15 of 15
		Location W of BY cib	Project BP-5 Dual		

Logged by Michelle Valenta Michelle Valenta (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
220	G	B1TP89	SM					gS- gravelly sand. 25% G, 75% fine to v. coarse sand max part = 10mm G- 60% basalt, subrnd to subang., v. fine to med. pebbles. S- 20% mafic. loose. poorly sorted. 2.5Y 6/2 (lt brownish gray). no rxn to HCl.	
229.5	G	B1TP90	SM					slG- 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	B1TP91	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)	
221.5	G	B1TP92	SM					gS- gravelly sand 20% G, 75% S, 5% Z. max part = 10mm. G- subround, 80% basalt, v. fine to med. pebbles S- 10% mafic. loose. poorly sorted. 2.5Y 7/2 (lt. gray). no rxn to HCl.	
220	G	B1TP93	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	B1TP94	W					Same as above. max part = 10mm. 2.5Y 3/1 (v. dark gray).	

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

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



C5856 B1TP22 15.0-15.0 ft Grab

Borehole ID Sample Nu[illegible]th from Chain-of-Custody Sample

C5856	B1TP23	17.0-17.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

C5856 B1TP25 22.5-22.5 ft Grab

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

C5856 B1TP26 25.0-25.0 ft Grab

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

C5856 B1TP24 20.0-20.0 ft Grab

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

C5856 B1TP27 27.5-27.5 ft Grab

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

C5856	B1TP28	30.0-30.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

C5856 B1TP29 32.5-32.5 ft Grab

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

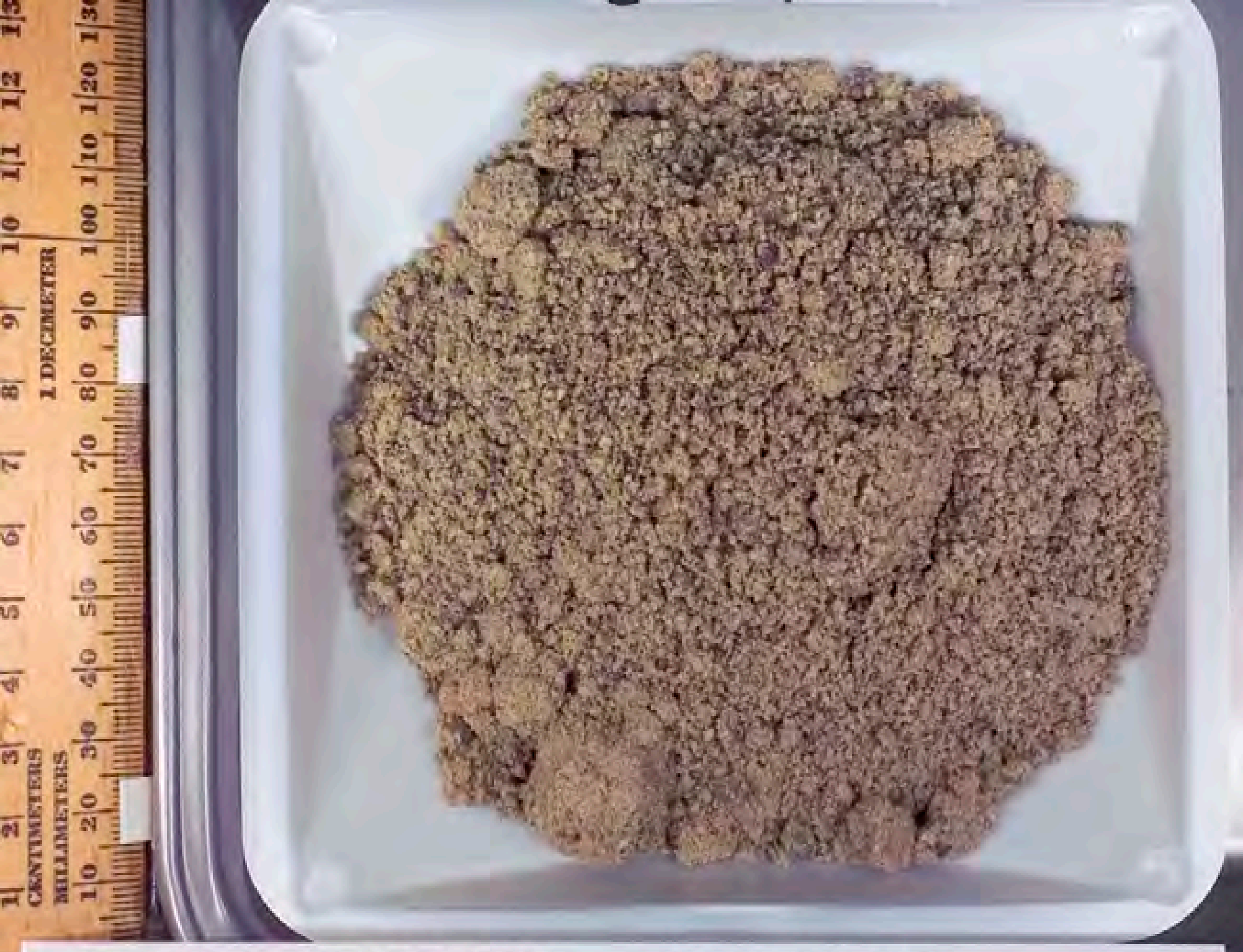
C5856	B1TP30	35.0-35.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

C5856 B1TNV9 37.5-37.5 ft Grab

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

C5856 B1TNW0 40.0-40.0 ft Grab

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



C5856 B1TNW1 42.5-42.5 ft Grab

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

C5856 B1TNW2 45.0-45.0 ft Grab

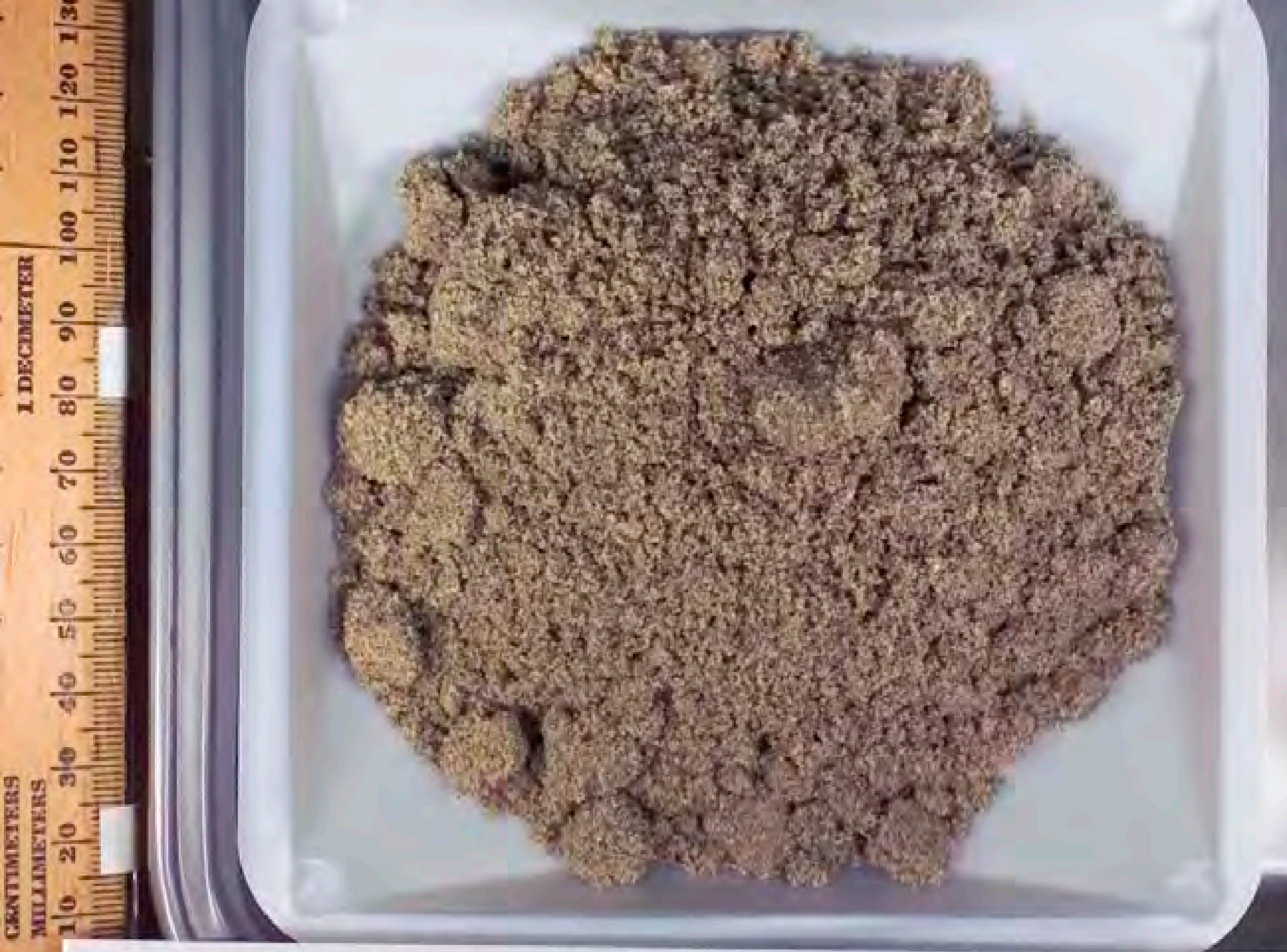
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5856 B1TNW3 47.5-47.5 ft Grab

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

C5856 B1TNW4 50.0-50.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody



C5856 B1TNW5 52.5-52.5 ft Grab

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

C5856 B1TP31 55.0-55.0 ft Grab

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

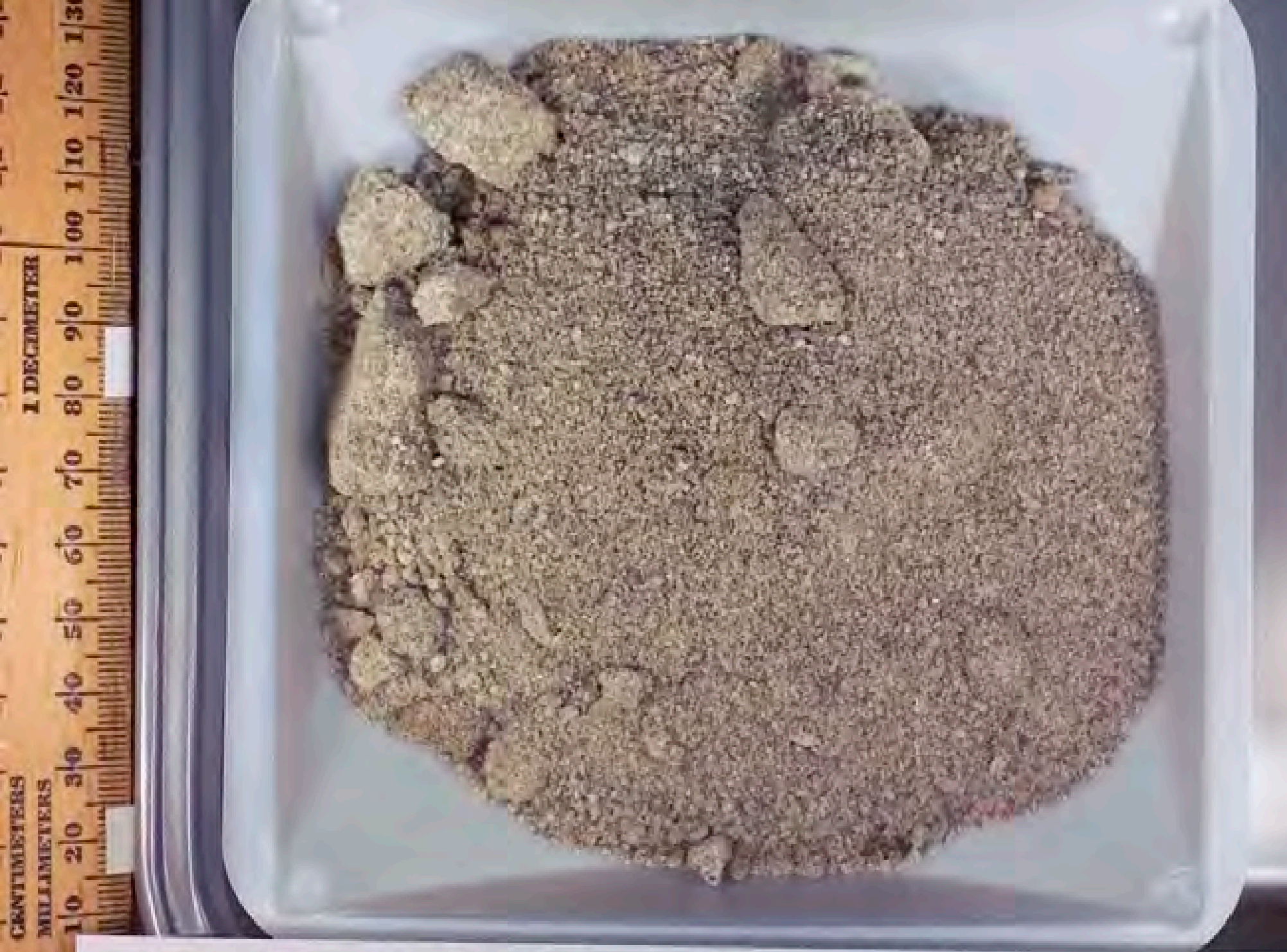
C5856 B1TP32 57.5-57.5 ft Grab

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

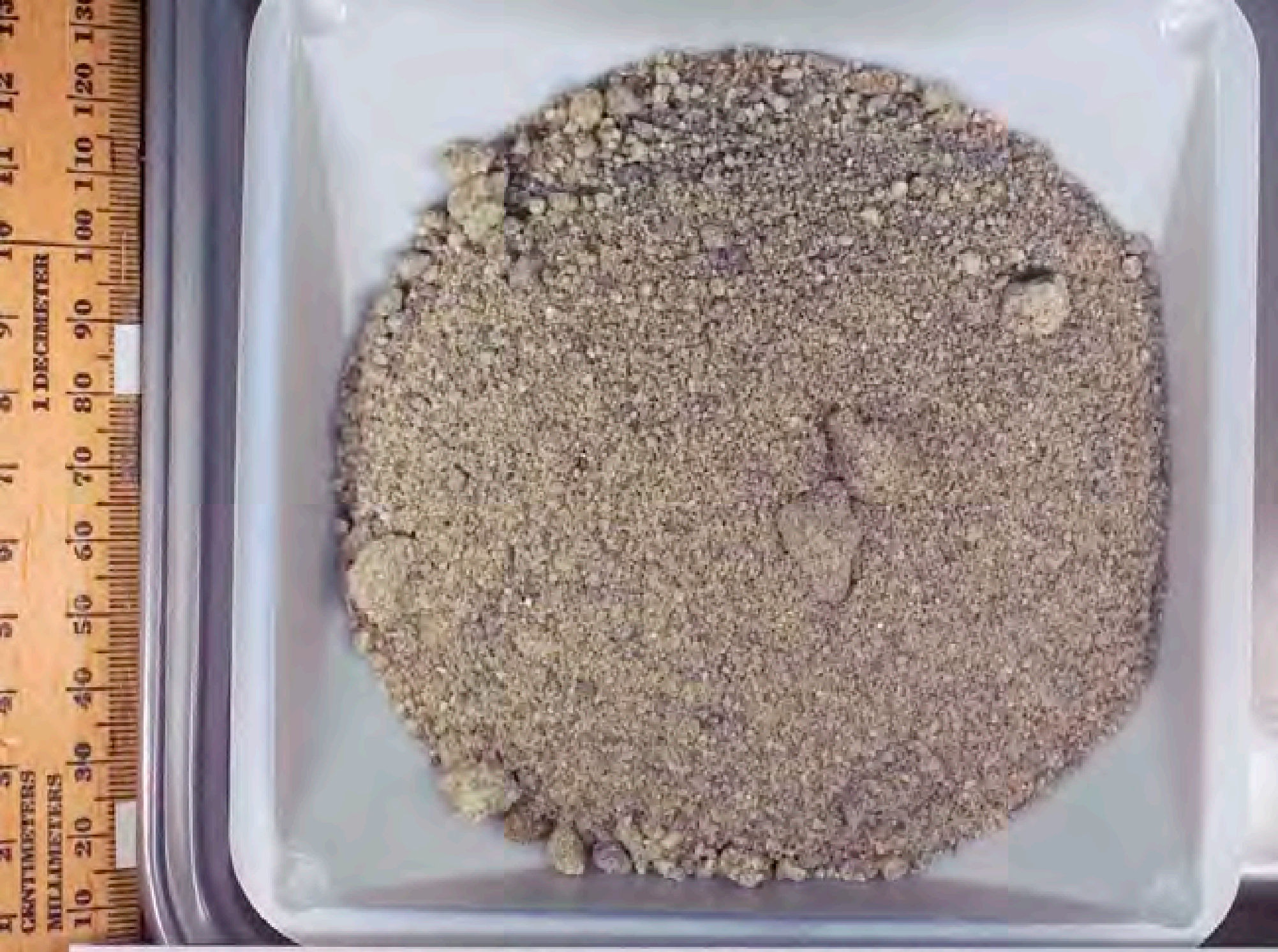
C5856 B1TP33 60.0-60.0 ft Grab

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

C5856	B1TP34	62.5-62.5 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample



C5856	B1TP35	65.0-65.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

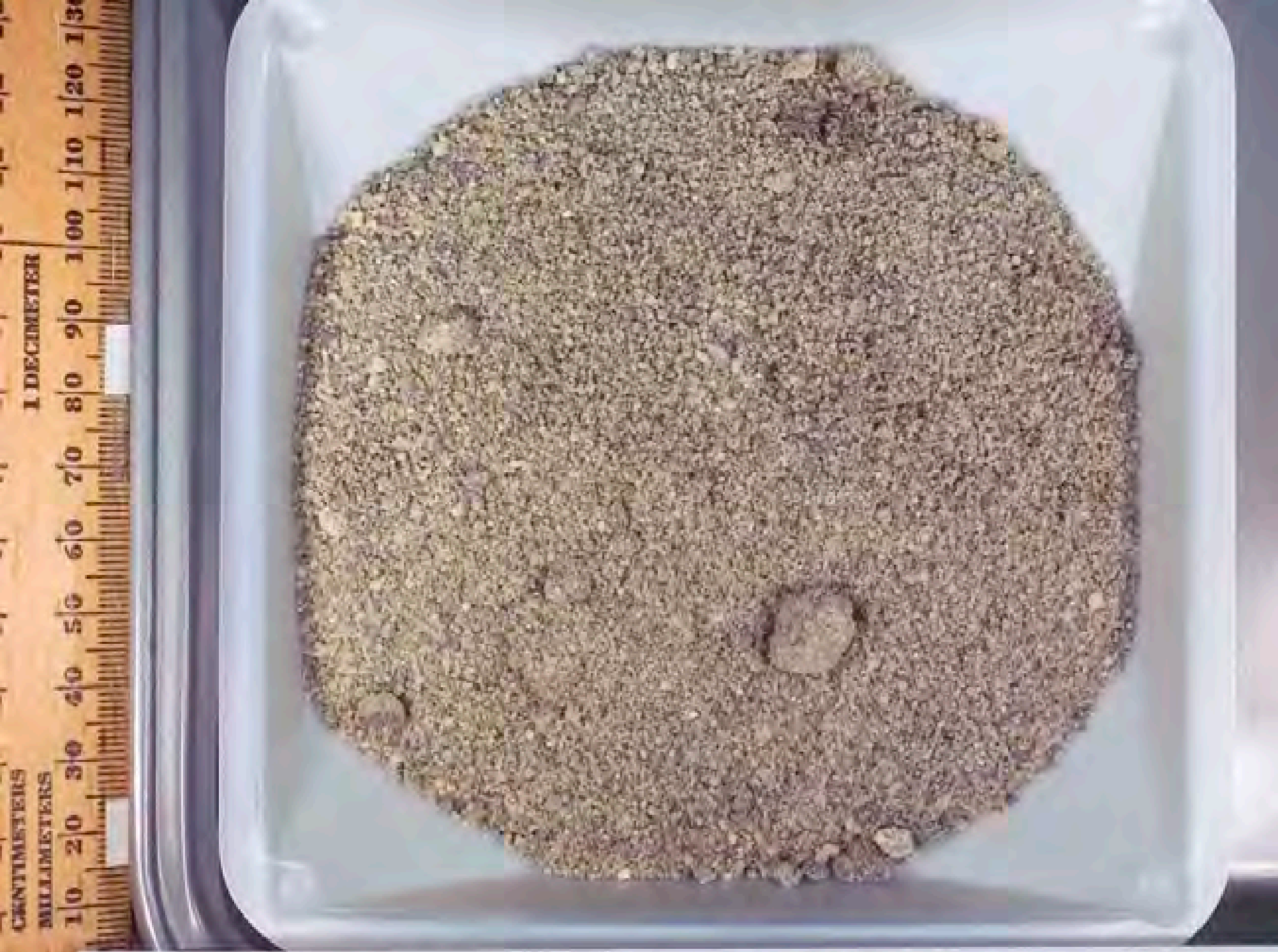


C5856 B1TP36 67.5-67.5 ft Grab

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

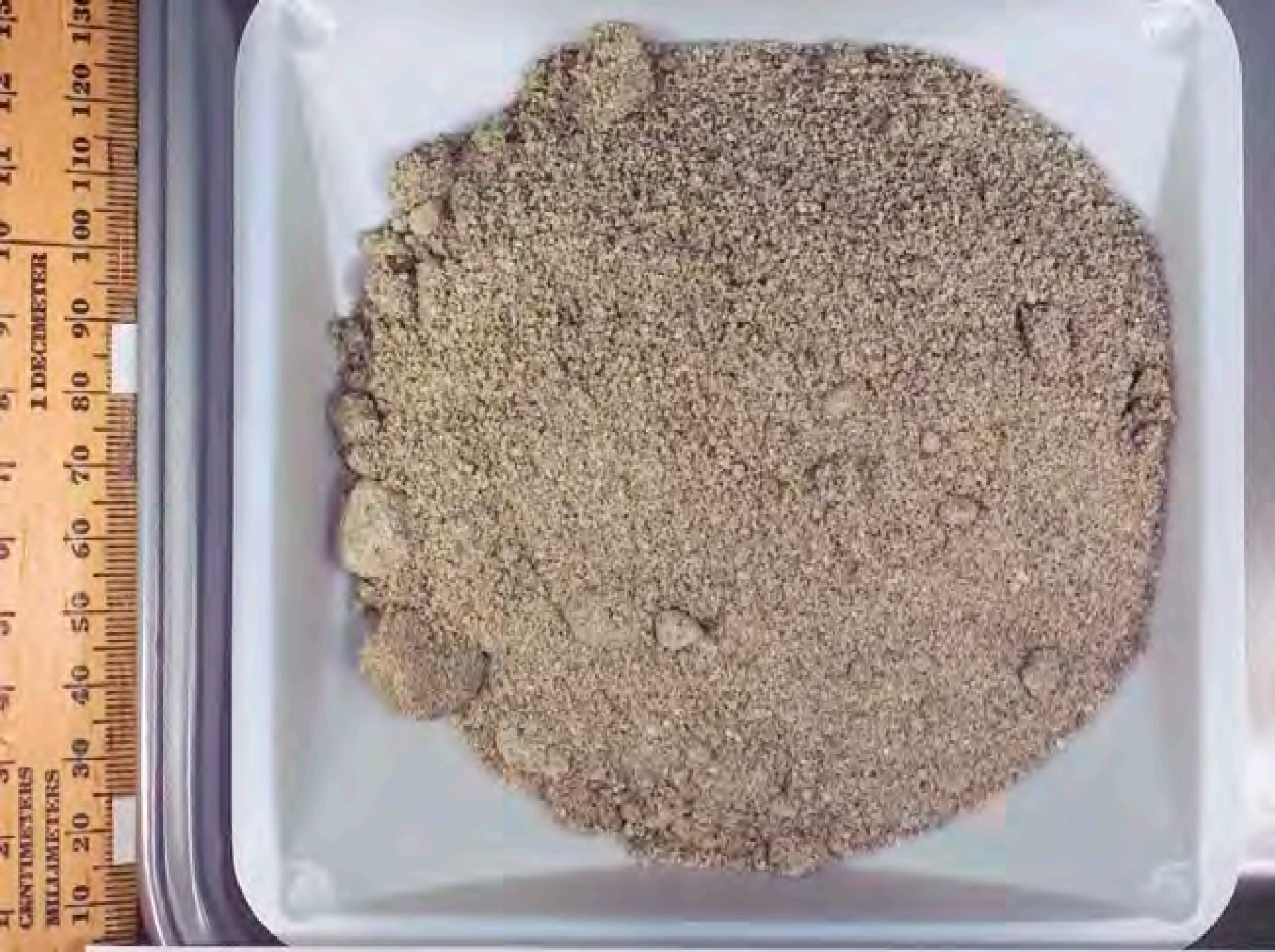
C5856 B1TP37 70.0-70.0 ft Grab

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



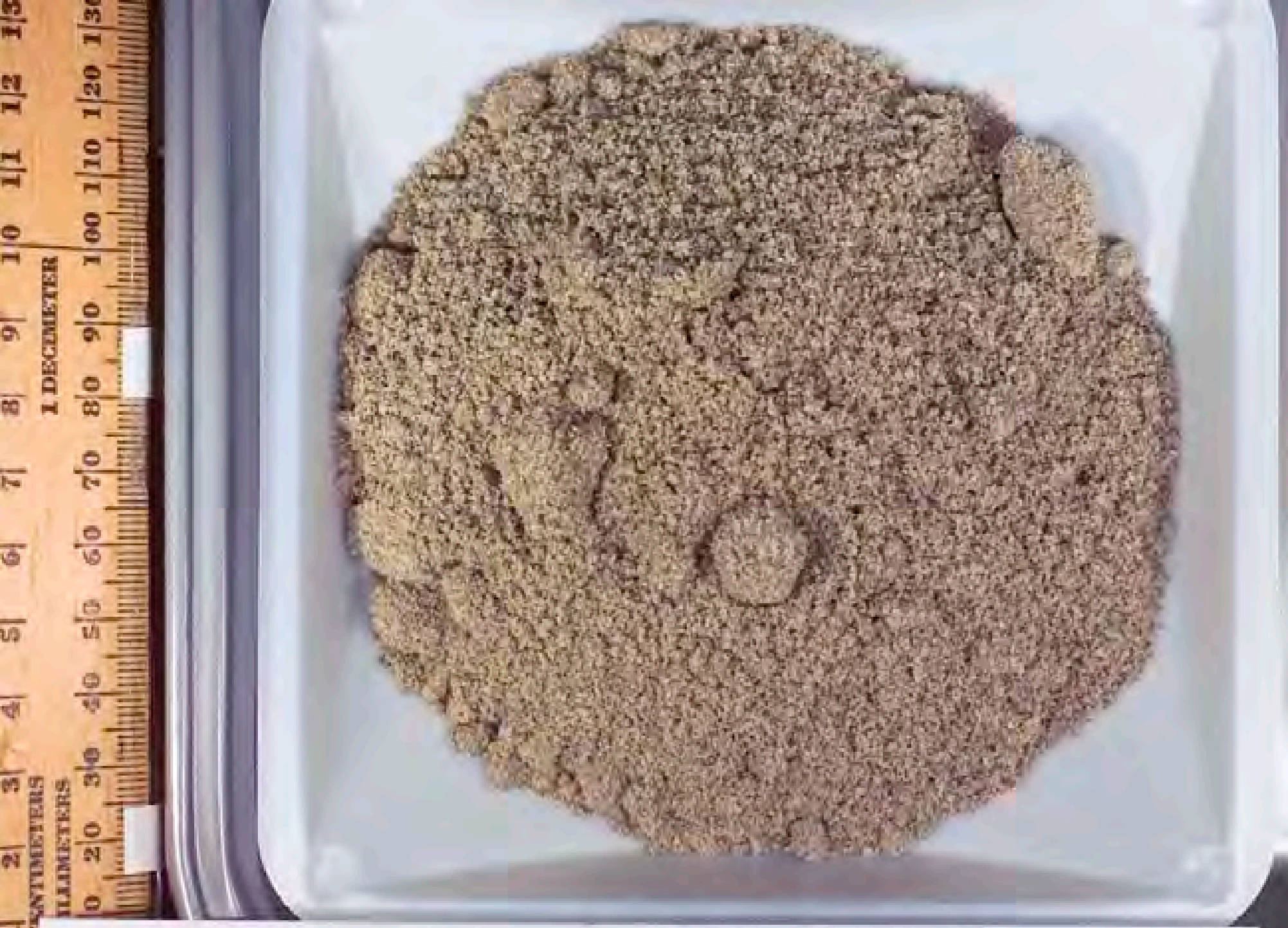
C5856 B1TP38 72.5-72.5 ft Grab

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

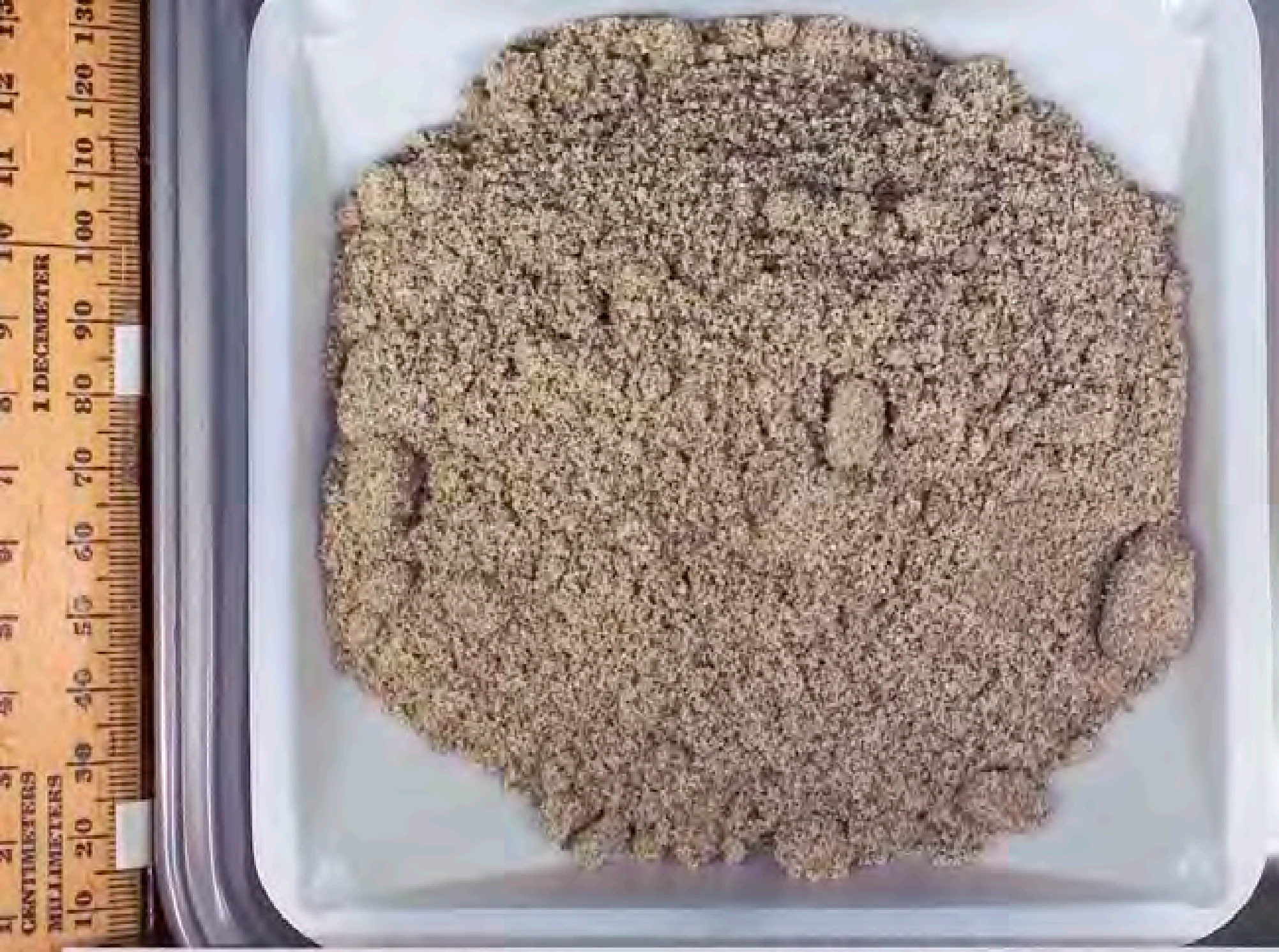


C5856 B1TP39 75.0-75.0 ft Grab

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



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



C5856 B1TP41 80.0-80.0 ft Grab

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

C5856	B1TP42	82.5-82.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5856 B1TP43 85.0-85.0 ft Grab Sample

Borehole ID Sample Number Depth from Chain-of-Custody

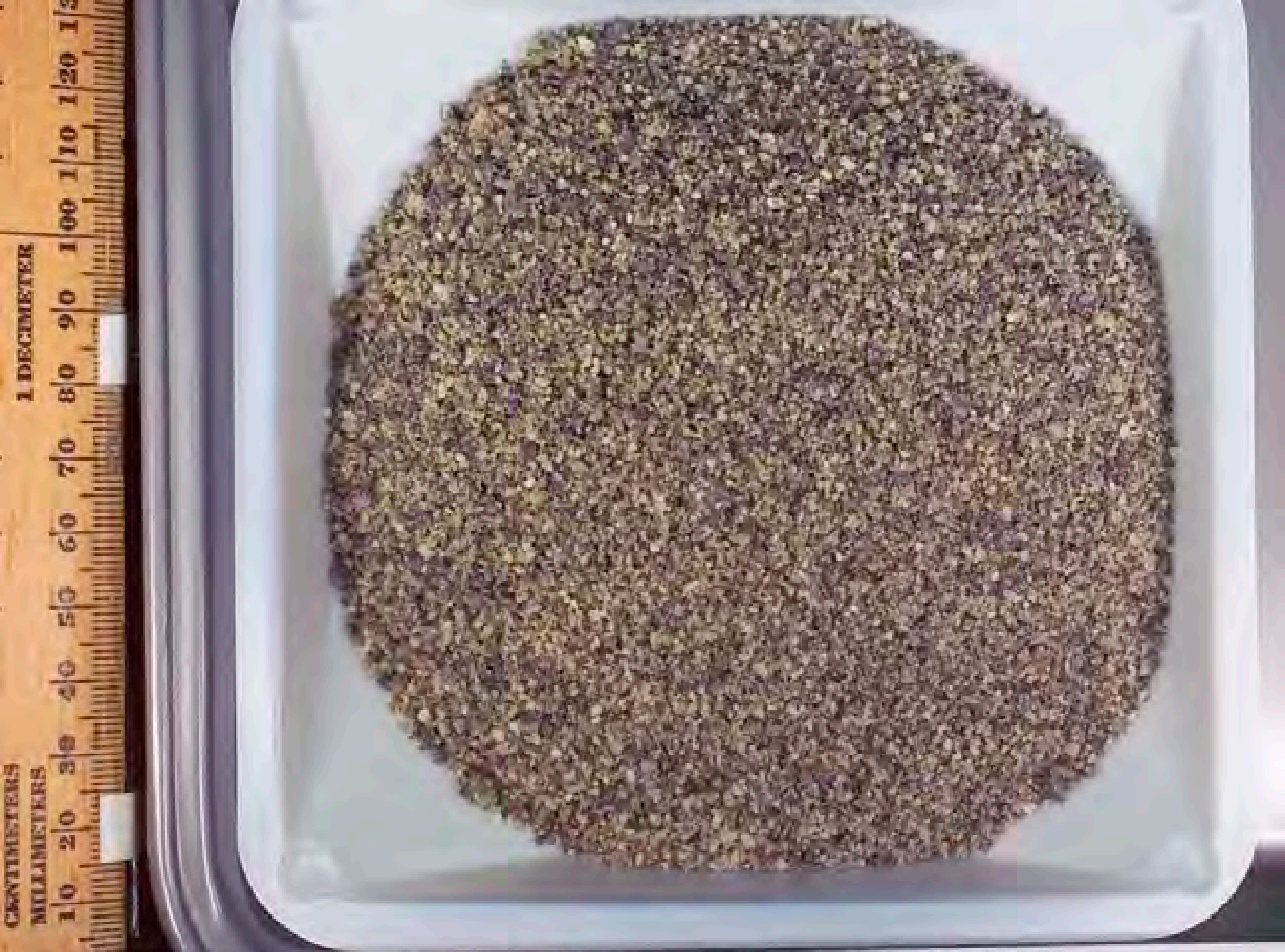
C5856	B1TP44	87.5-87.5 ft	Grab Sample
Borehole ID	Sample Number	Depth from Chain-of-Custody	

C5856 B1TP45 90.0-90.0 ft Grab

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

C5856 B1TP46 92.5-92.5 ft Grab

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



C5856 B1TP47 95.0-95.0 ft Grab

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

C5856 B1TP48 97.8-97.8 ft Grab

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

C5856 B1TP49 100.0-100.0 ft Grab

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

C5856 B1TP50 102.5-102.5 ft Grab

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

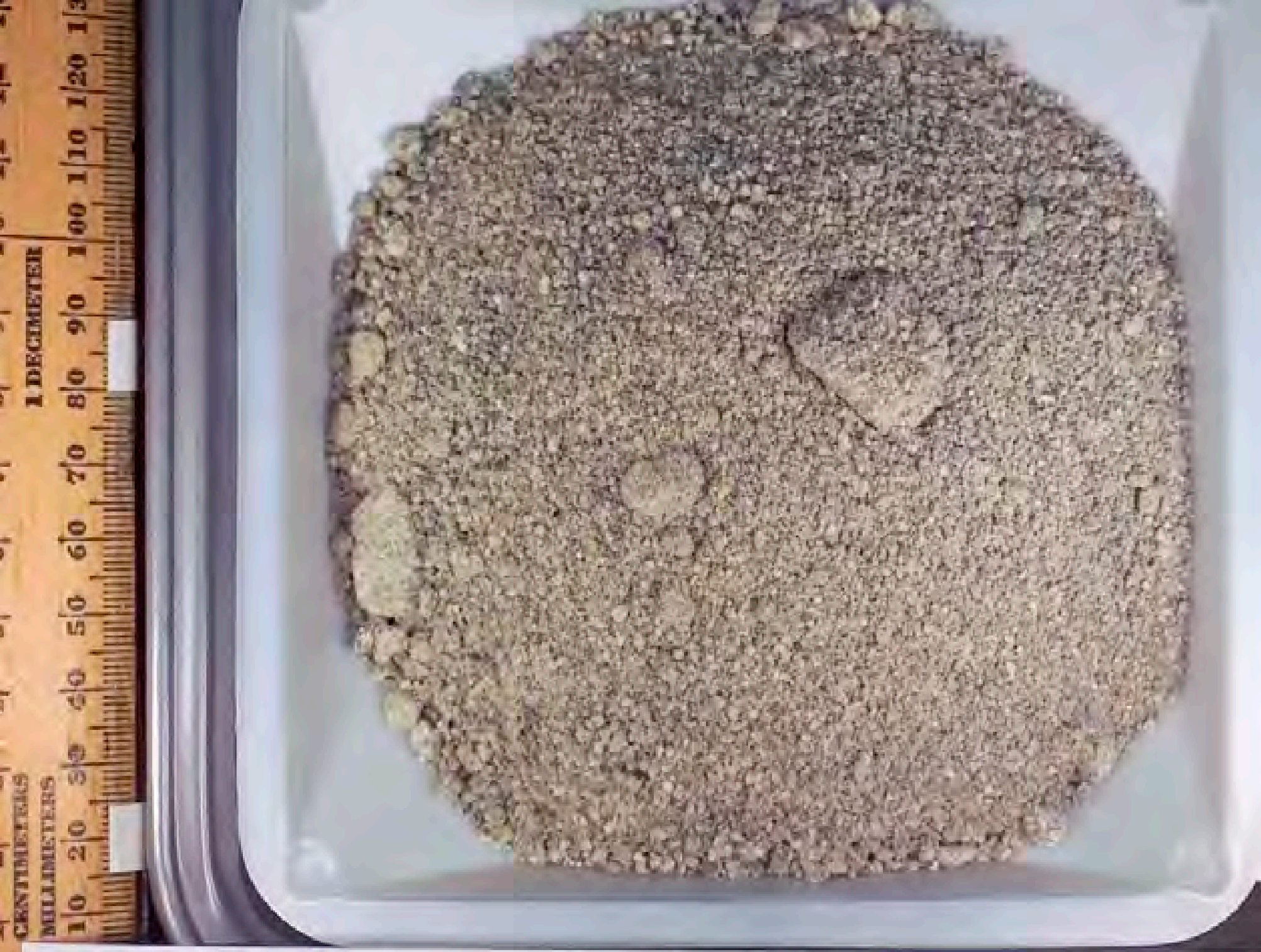
C5856 B1TP51 105.0-105.0 ft Grab

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

C5856 B1TP52 107.5-107.5 ft Grab

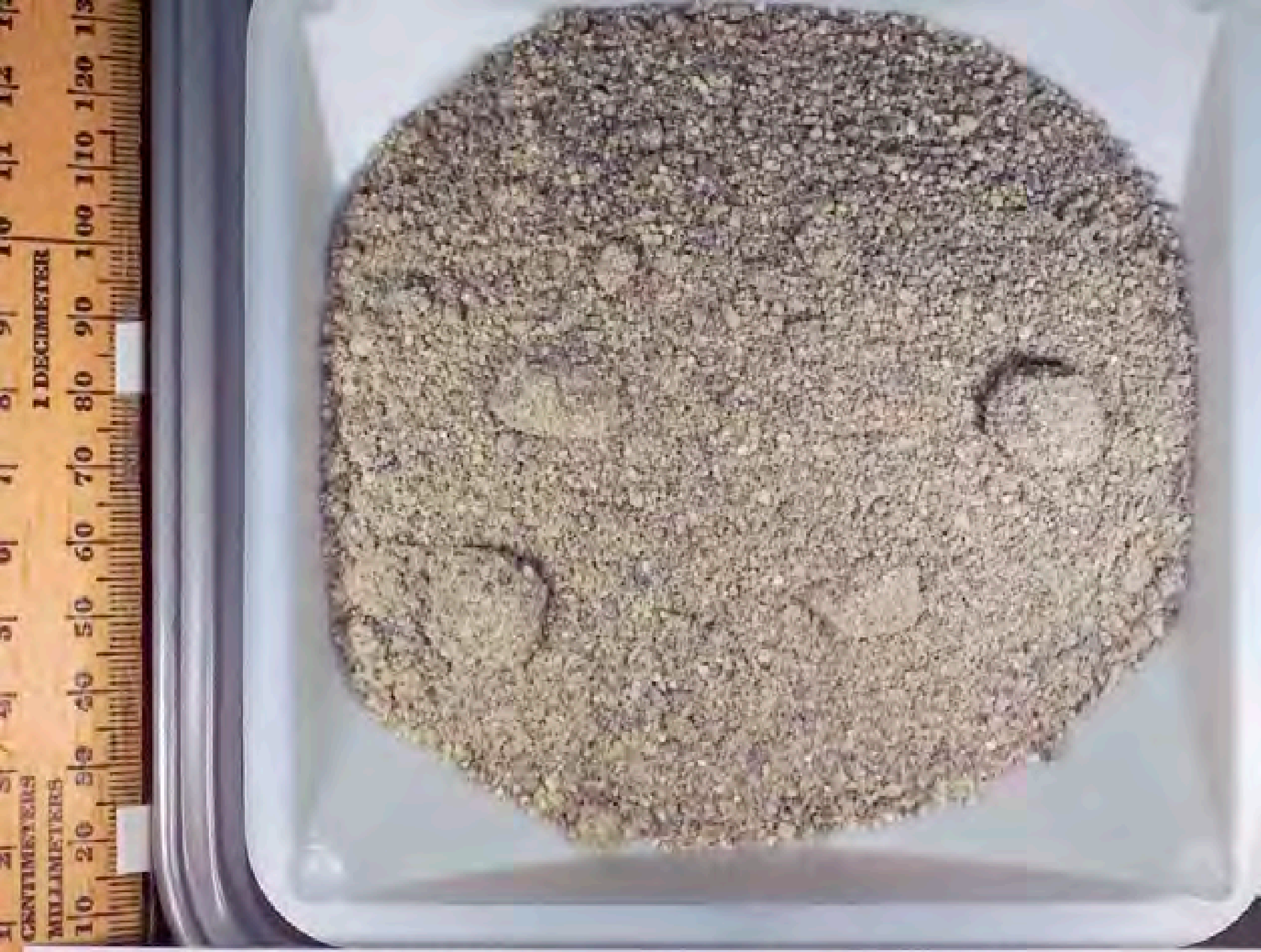
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5856	B1TP53	110.0-110.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample



C5856 B1TP54 112.5-112.5 ft Grab

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

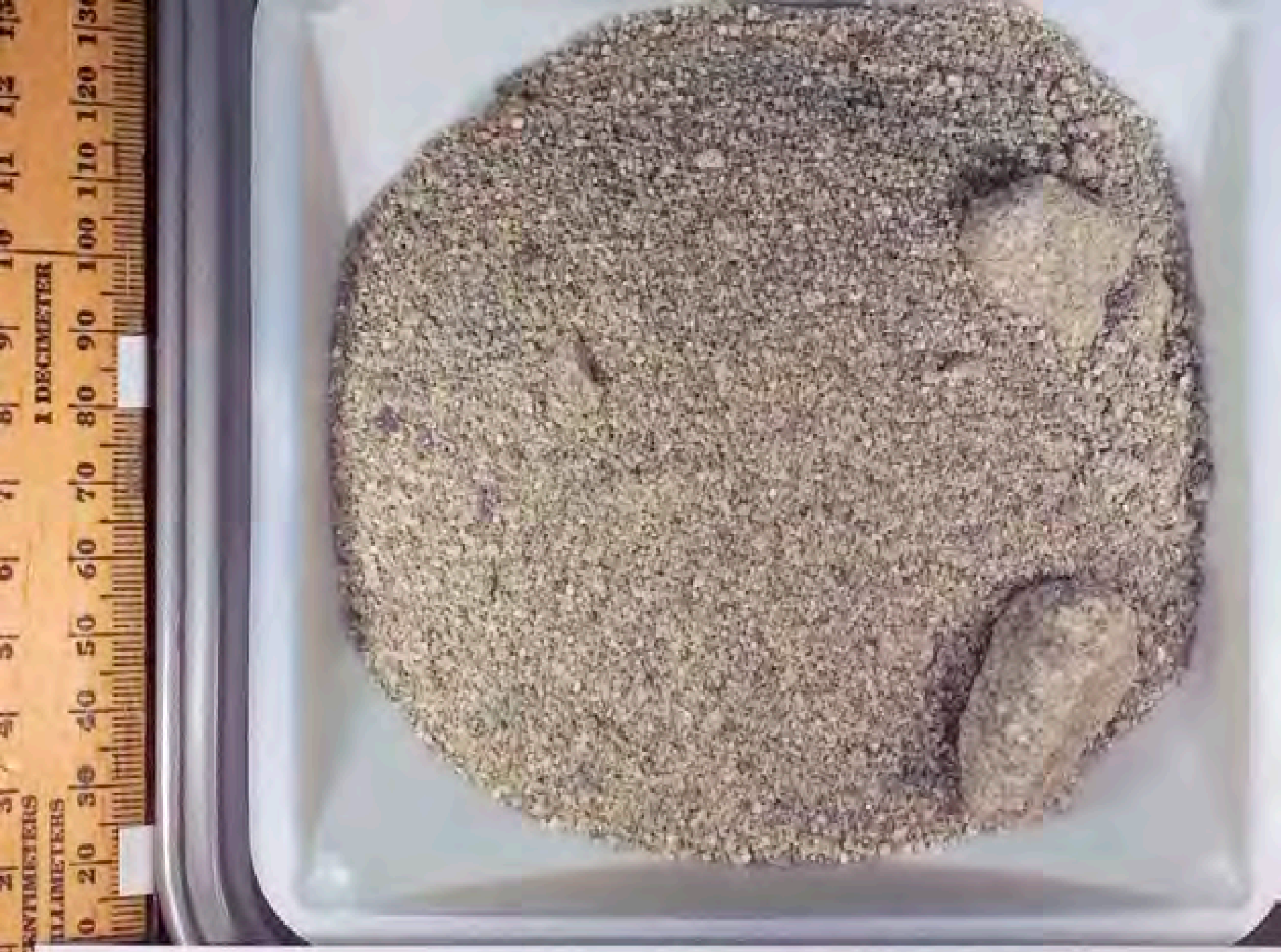


C5856 B1TP55 115.0-115.0 ft Grab

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

C5856 B1TP56 117.5-117.5 ft Grab

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



C5856	B1TP57	120.0-120.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

C5856 B1TP58 122.5-122.5 ft Grab

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

C5856 B1TP59 125.0-125.0 ft Grab

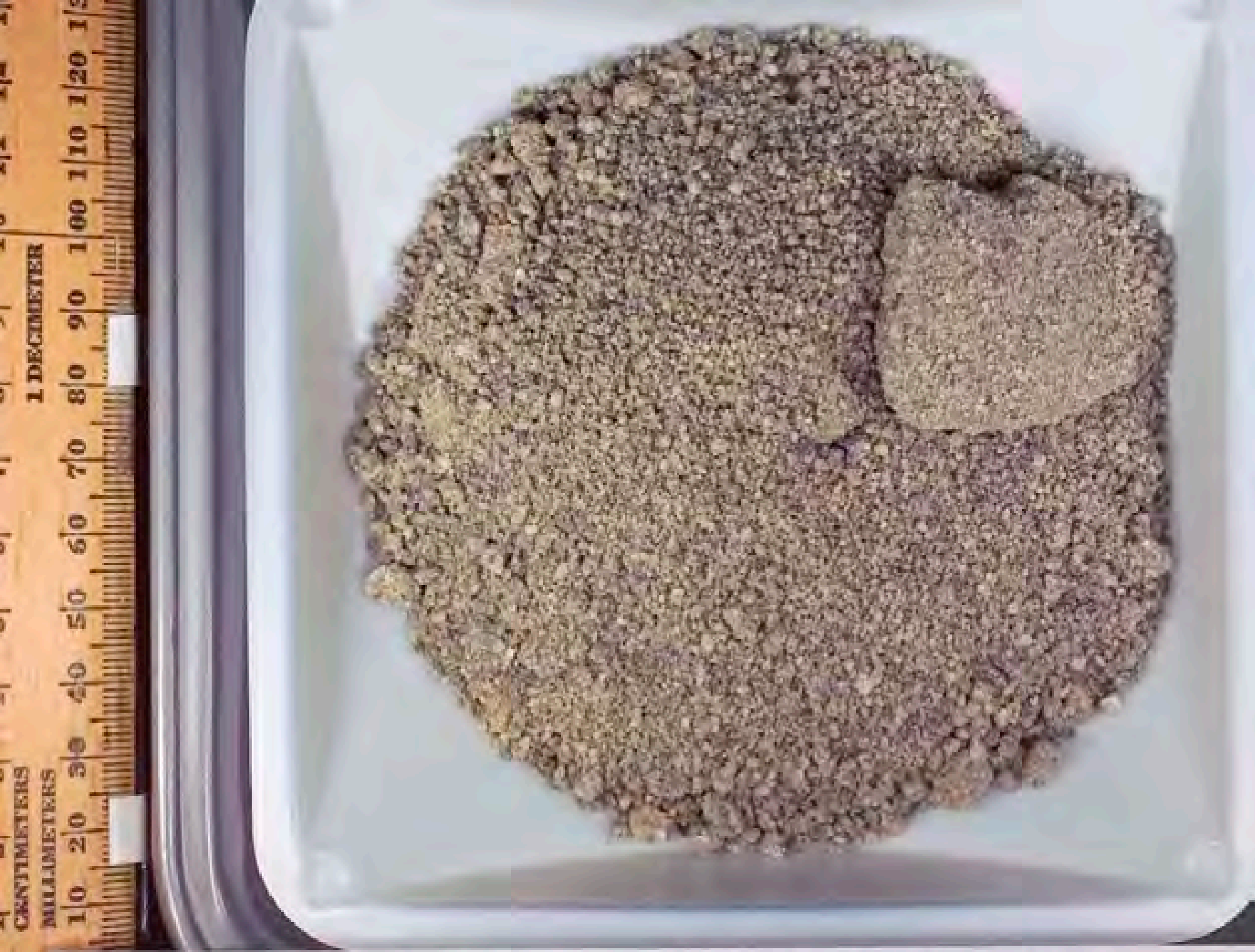
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5856 B1TP60 127.5-127.5 ft Grab

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

C5856 B1TP61 130.0-130.0 ft Grab

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



C5856 B1TP62 132.5-132.5 ft Grab

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

C5856 B1TP63 135.0-135.0 ft Grab

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

C5856 B1TP64 137.5-137.5 ft Grab

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

C5856 B1TP65 140.0-140.0 ft Grab

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

C5856 B1TP66 142.5-142.5 ft Grab

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

C5856 B1TP67 145.0-145.0 ft Grab

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

C5856 B1TP68 147.5-147.5 ft Grab

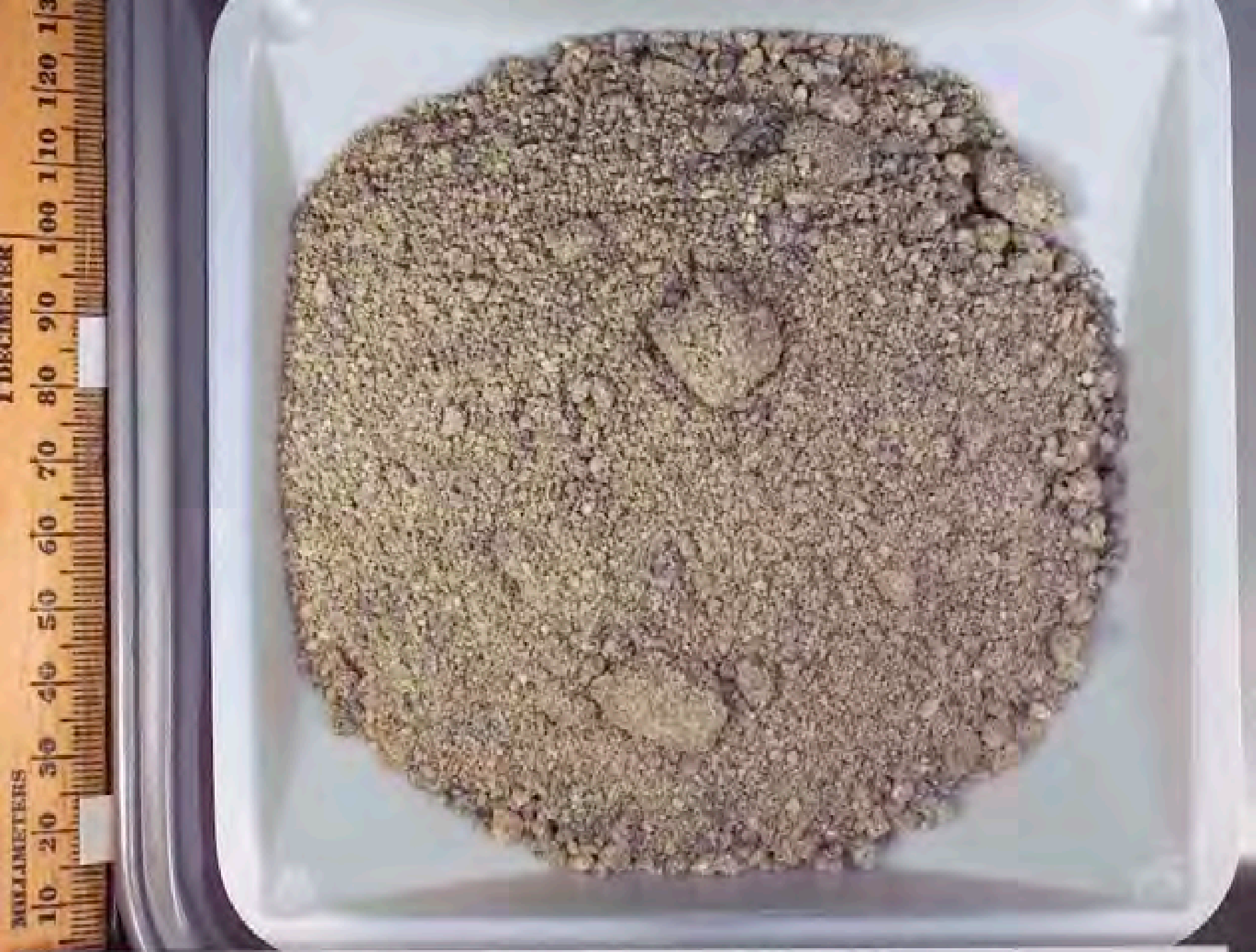
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5856 B1TP69 150.0-150.0 ft Grab

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

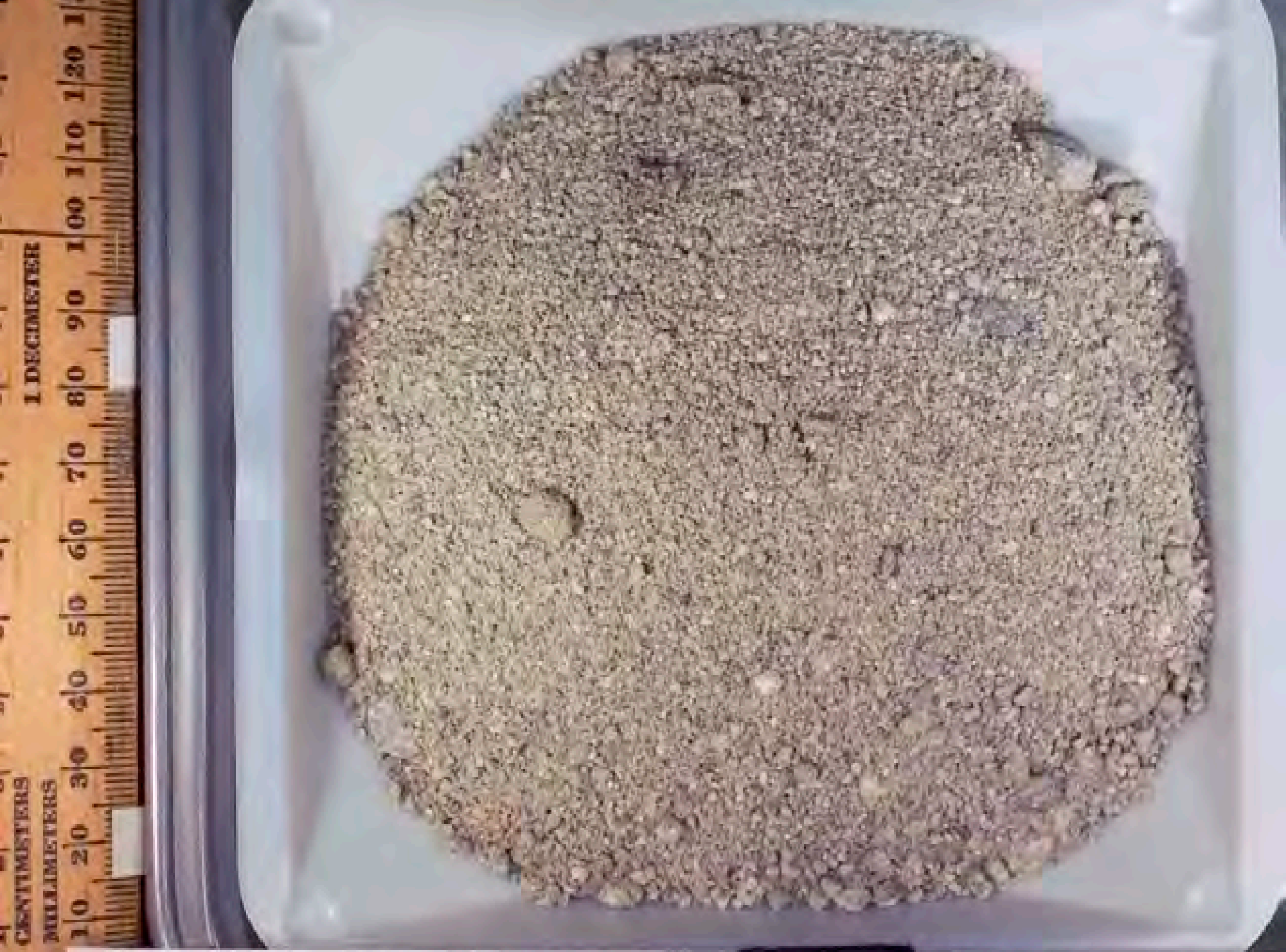
C5856 B1TP70 152.5-152.5 ft Grab

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

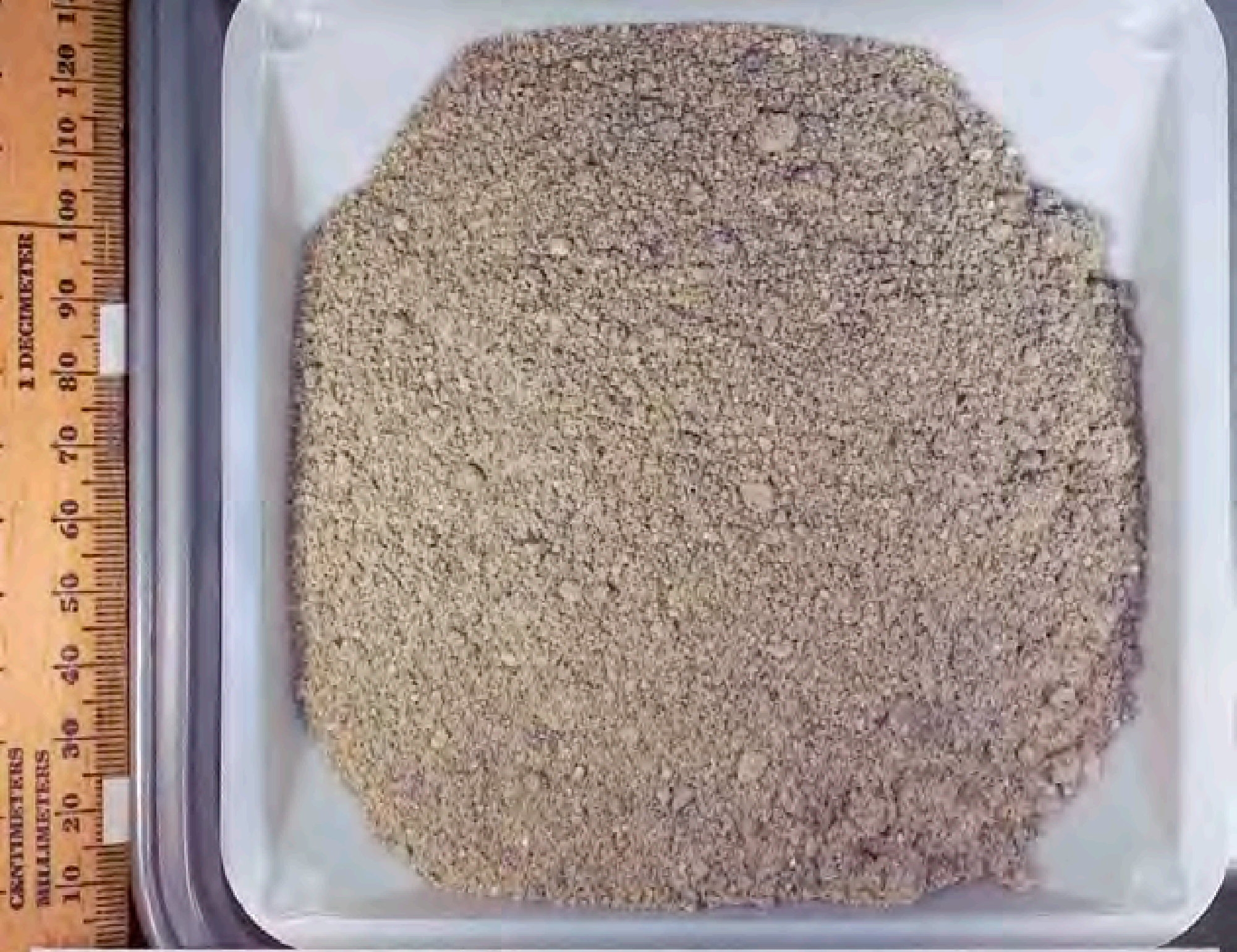


C5856	B1TP71	155.0-155.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

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

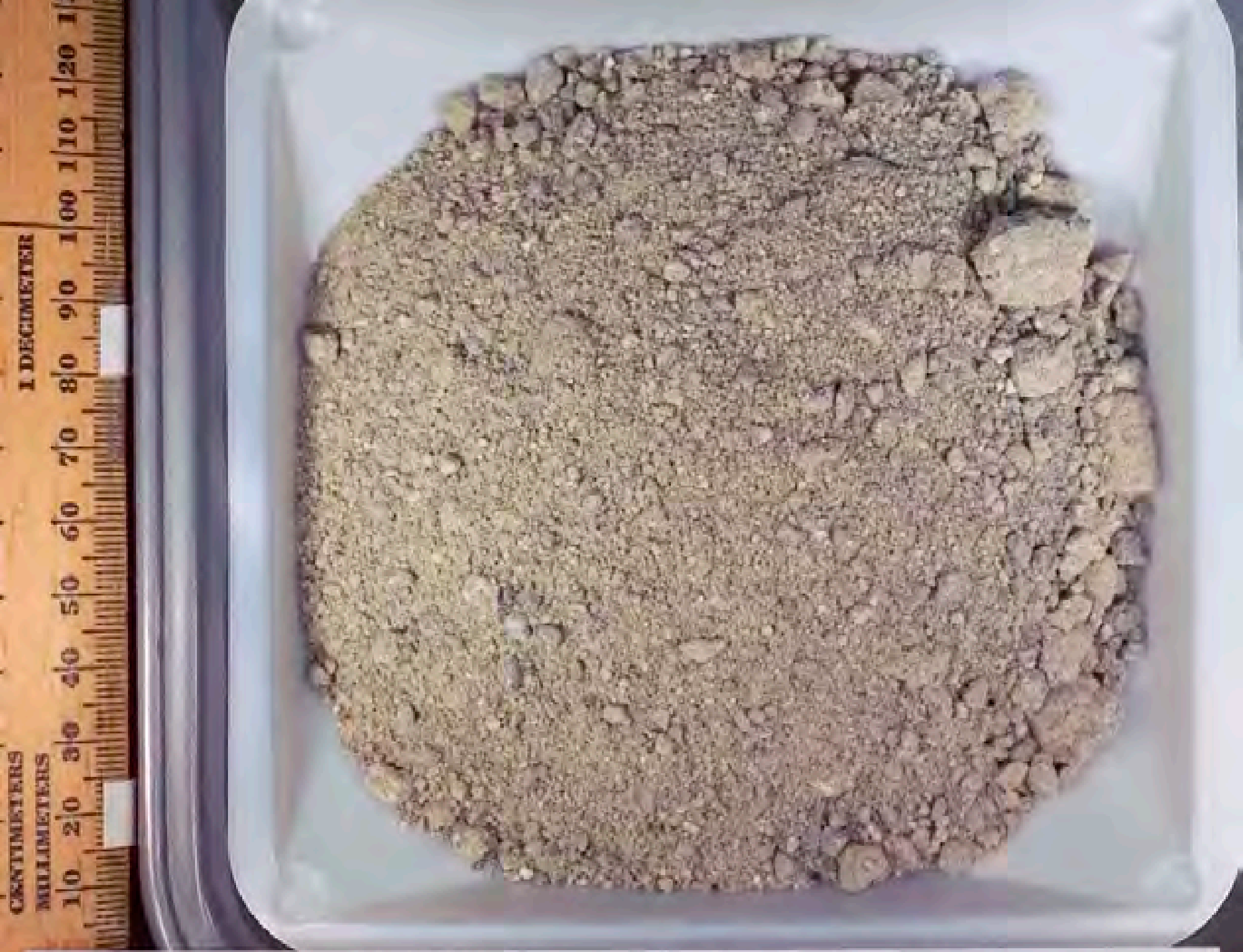


C5856	B1TP73	160.0-160.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample



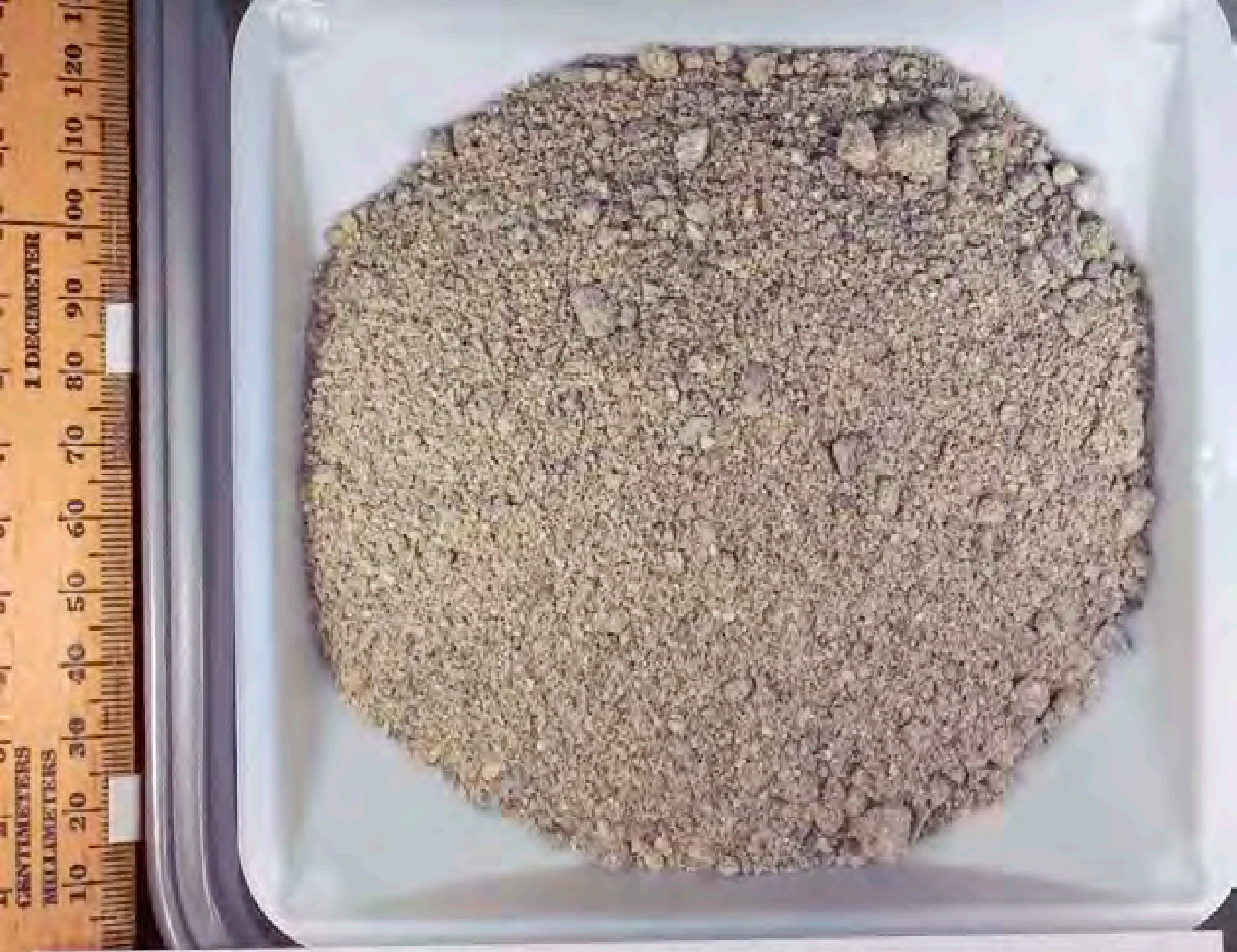
C5856 B1TP74 162.5-162.5 ft Grab

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



C5856 B1TP75 165.0-165.0 ft Grab

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



C5856 B1TP76 167.5-167.5 ft Grab

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

C5856 B1TP77 170.0-170.0 ft Grab

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

C5856	B1TNW6	172.5-172.5 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

C5856 B1TNW7 175.0-175.0 ft Grab

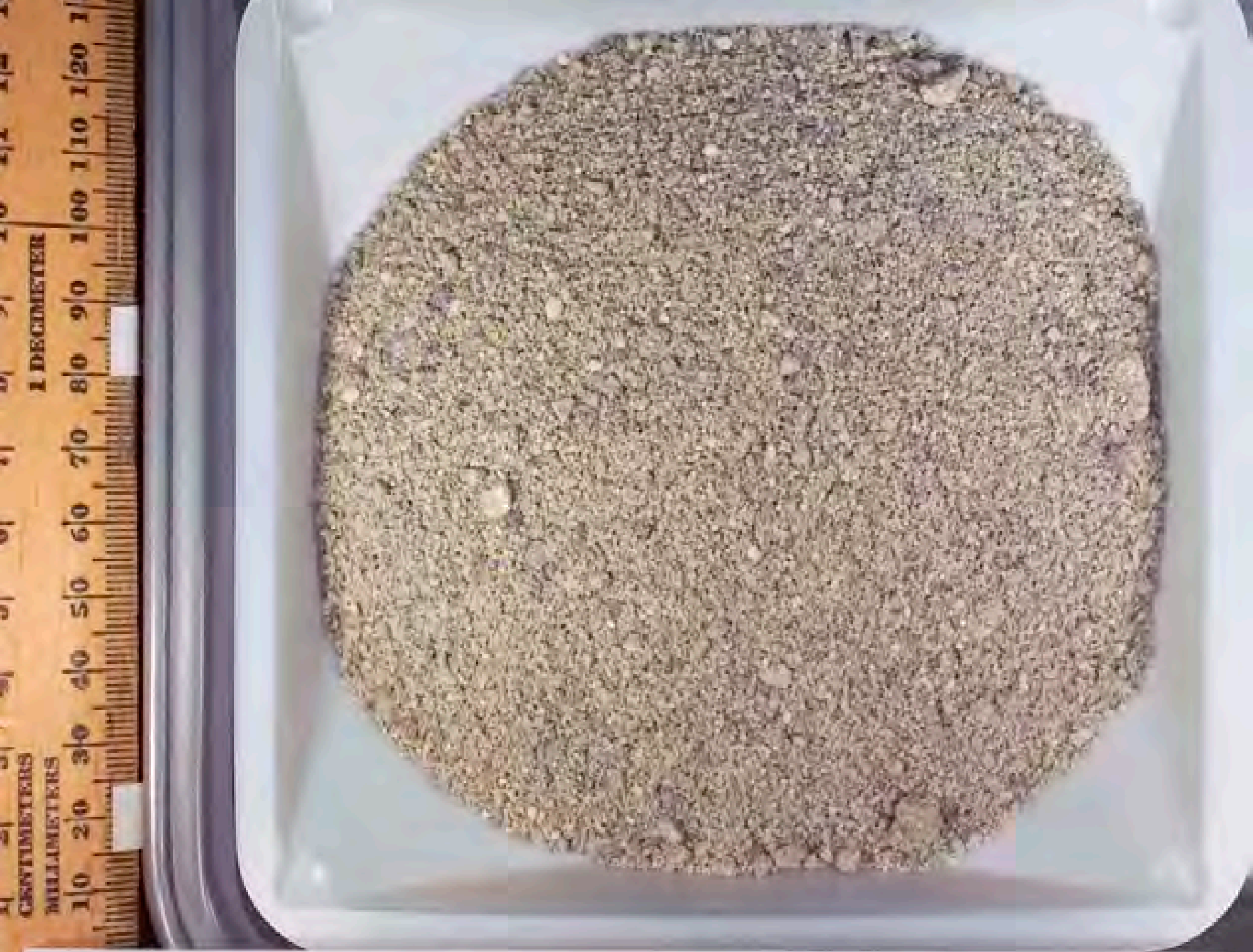
Borehole ID Sample Number Depth from Chain-of-Custody Sample

C5856 B1TNW8 177.5-177.5 ft Grab

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

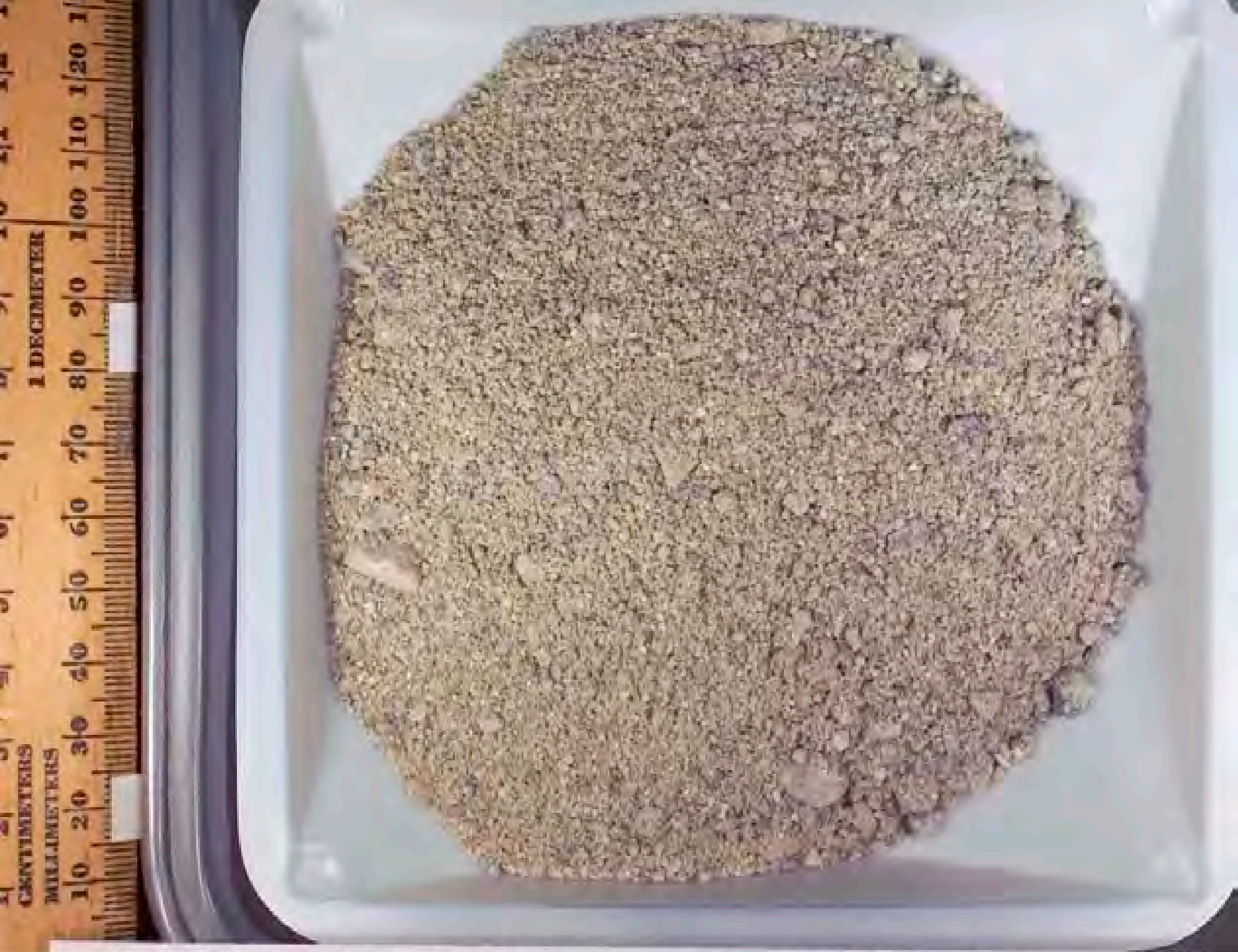
C5856 B1TP78 180.0-180.0 ft Grab

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



C5856 B1TP79 182.5-182.5 ft Grab

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

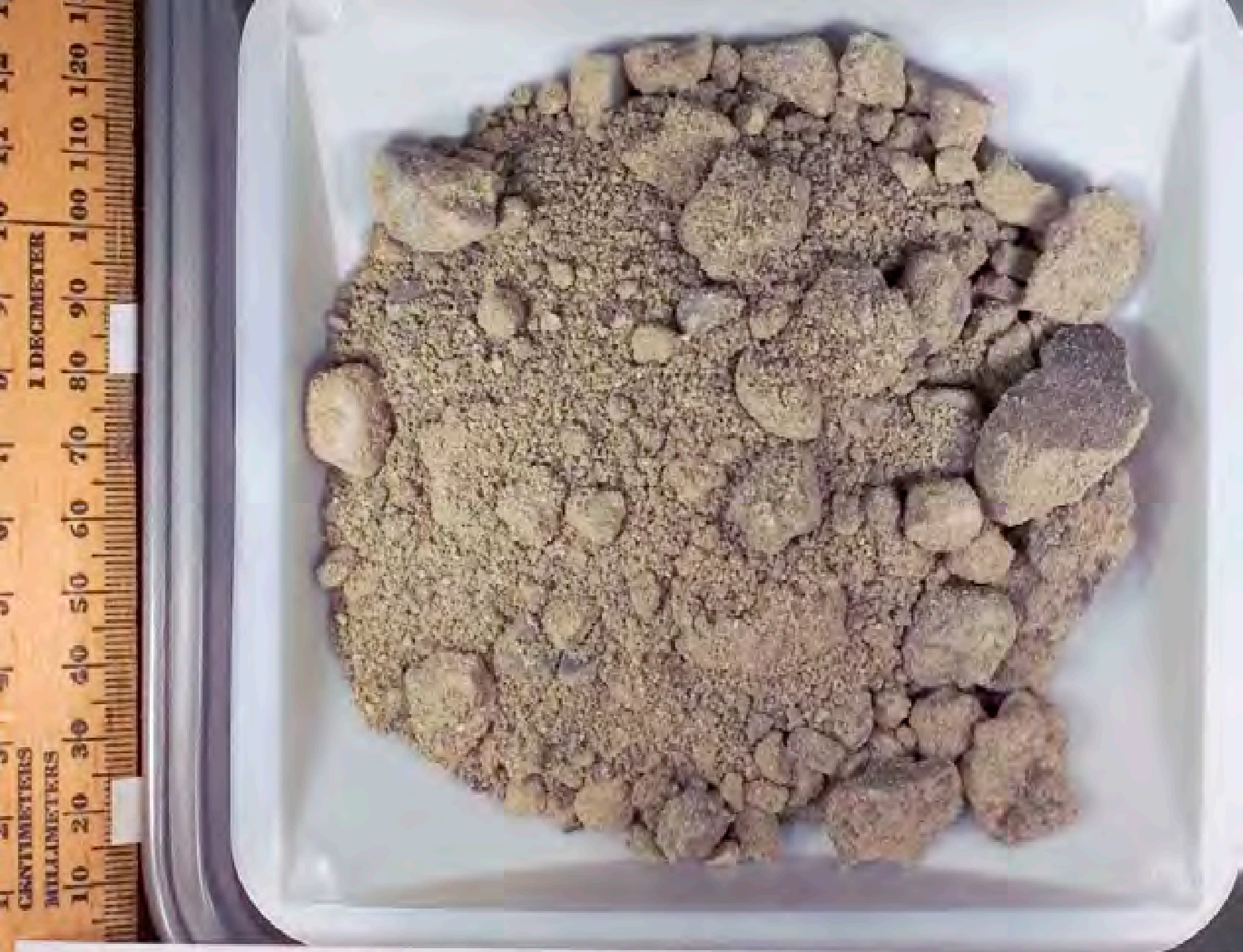


C5856 B1TP80 185.0-185.0 ft Grab

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

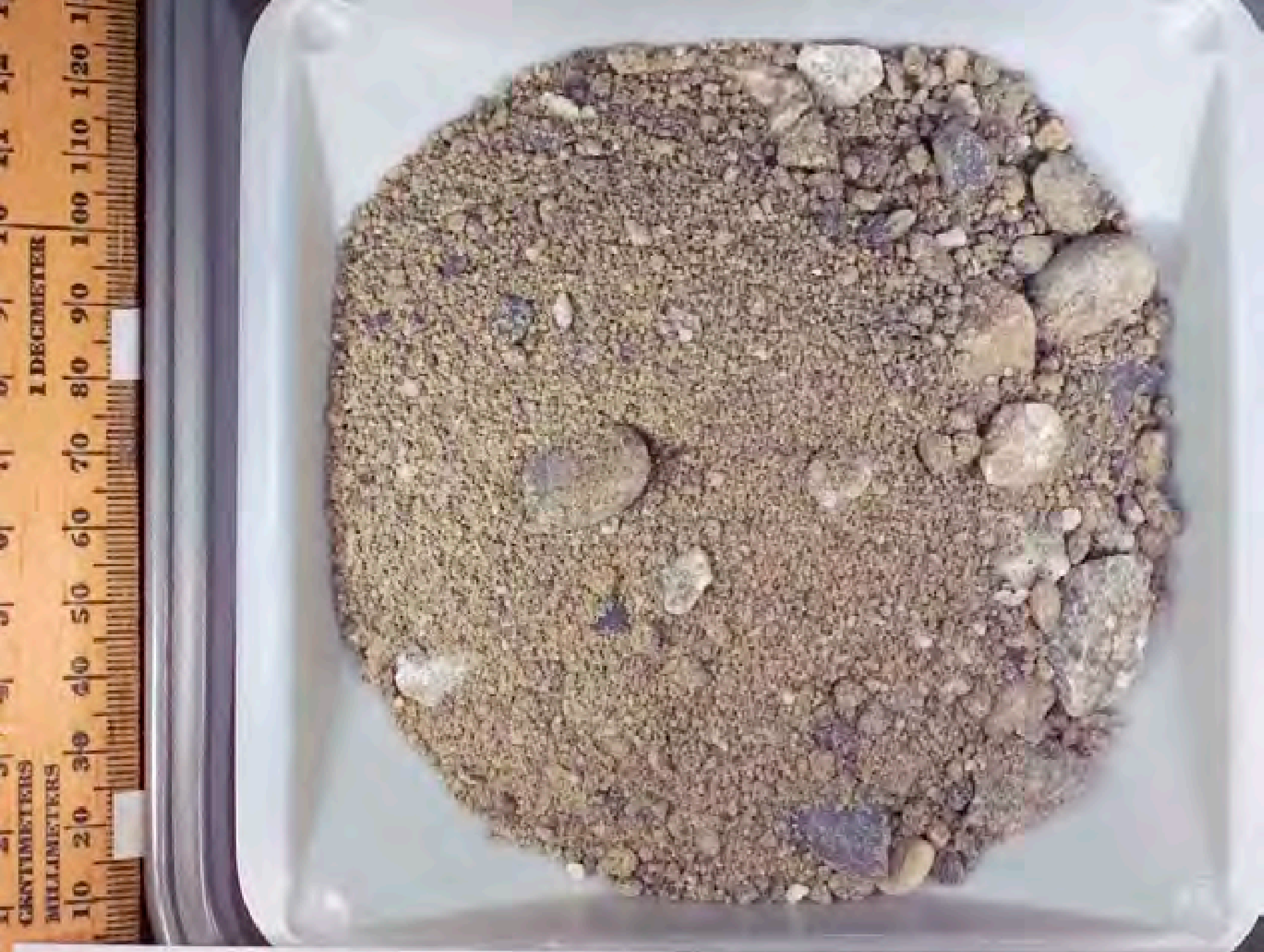
C5856 B1TP81 187.5-187.5 ft Grab

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



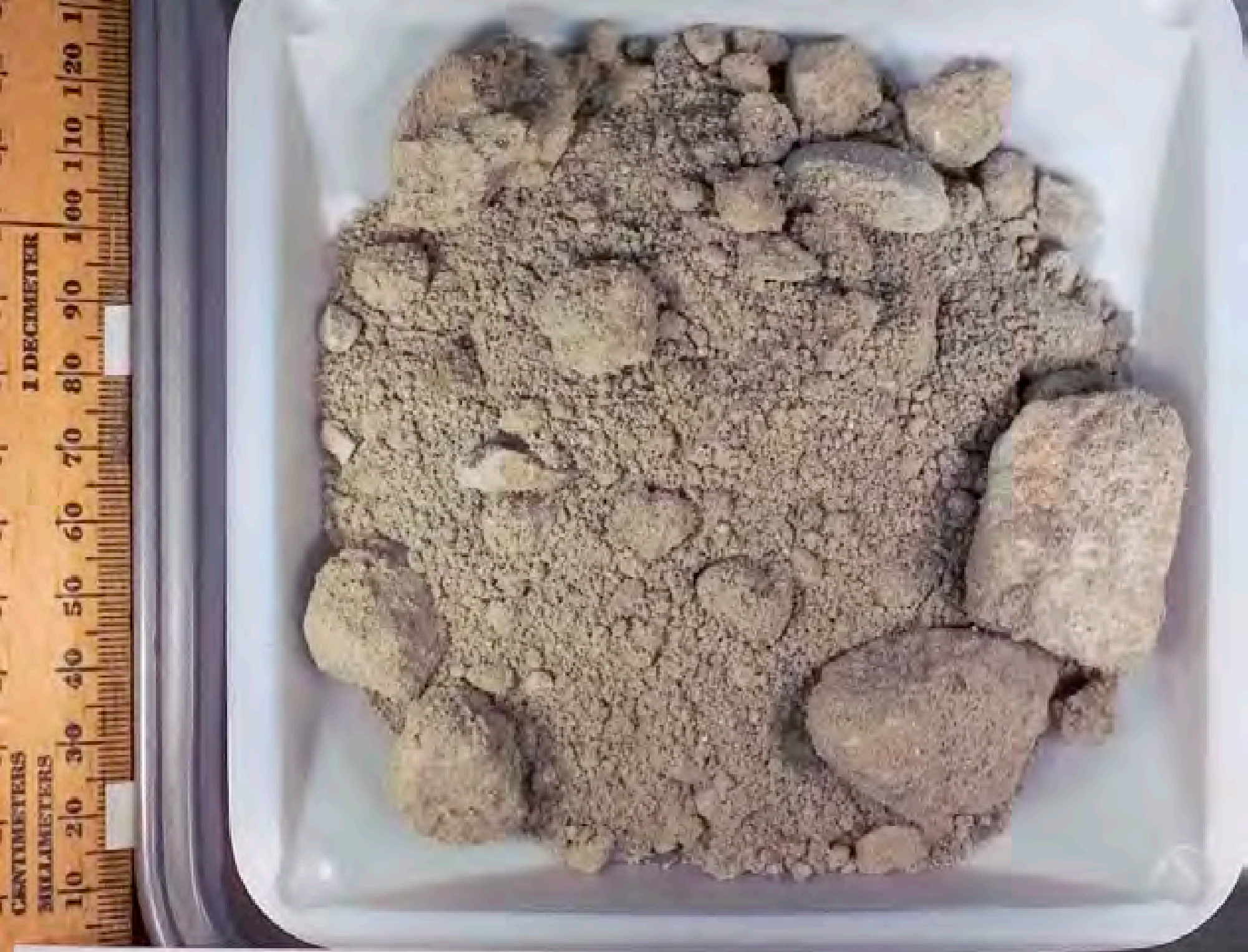
C5856 B1TP82 190.0-190.0 ft Grab

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



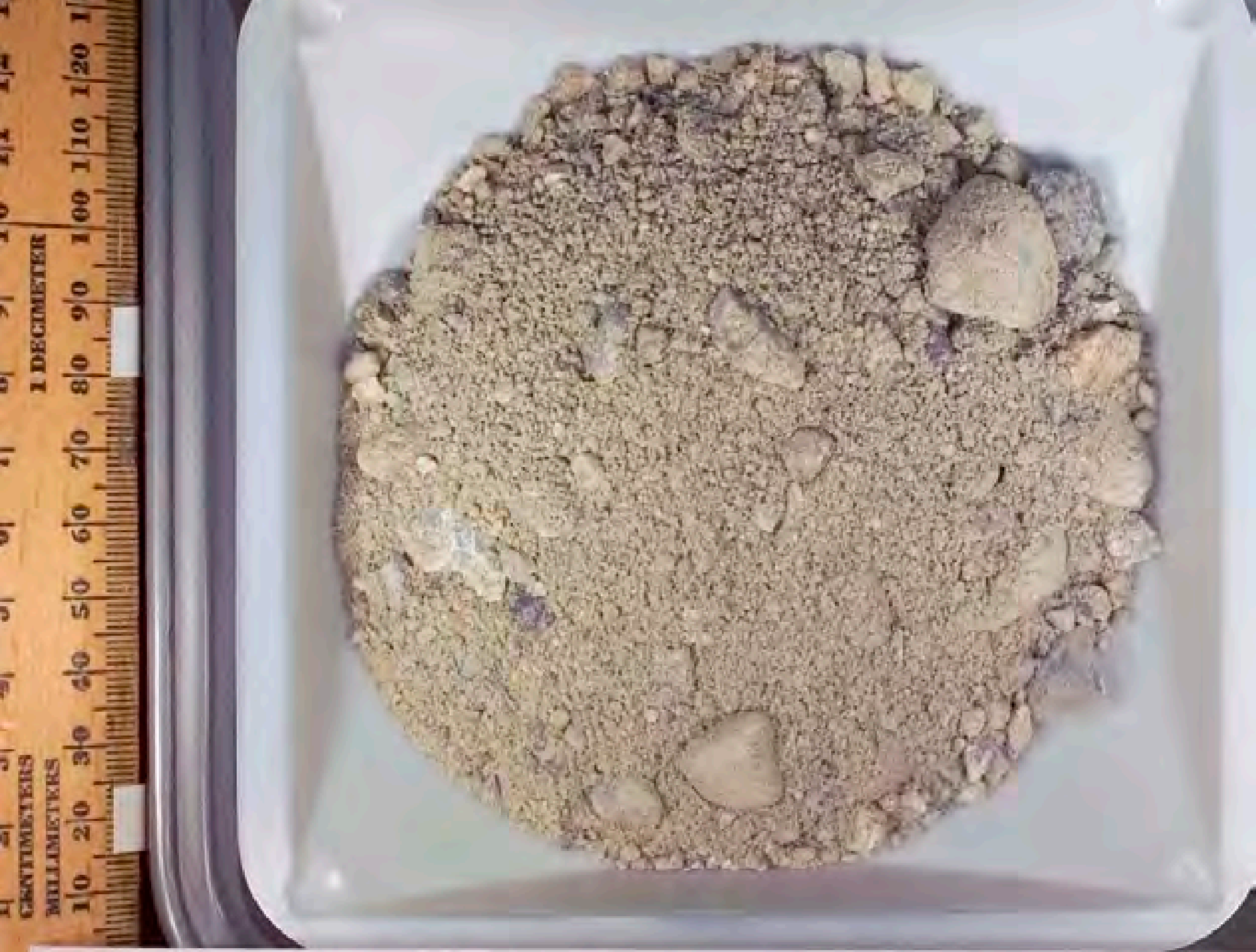
C5856 B1TP83 192.5-192.5 ft Grab

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



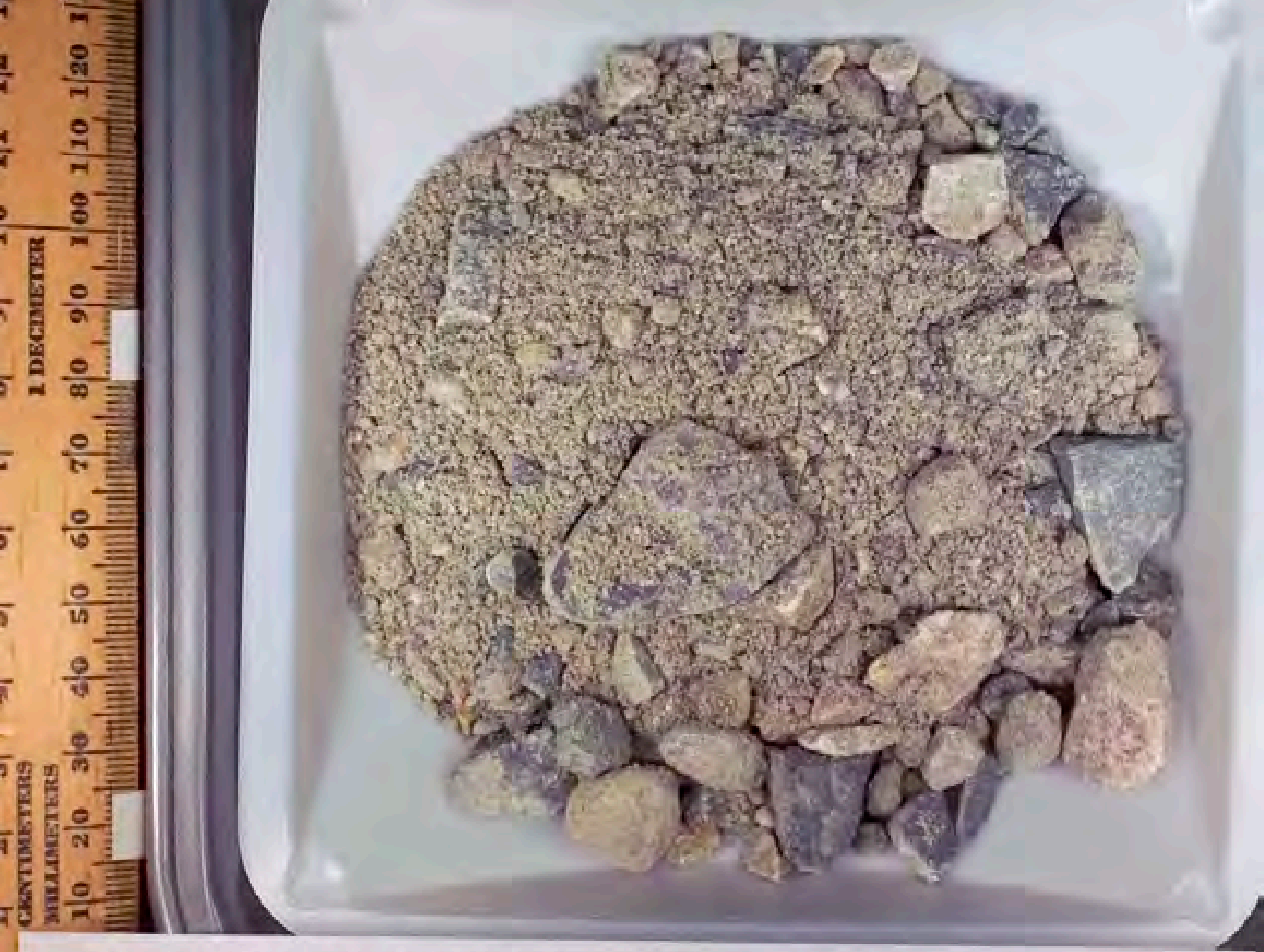
C5856 B1TP84 195.0-195.0 ft Grab

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



C5856 B1TNW9 197.5-197.5 ft Grab

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



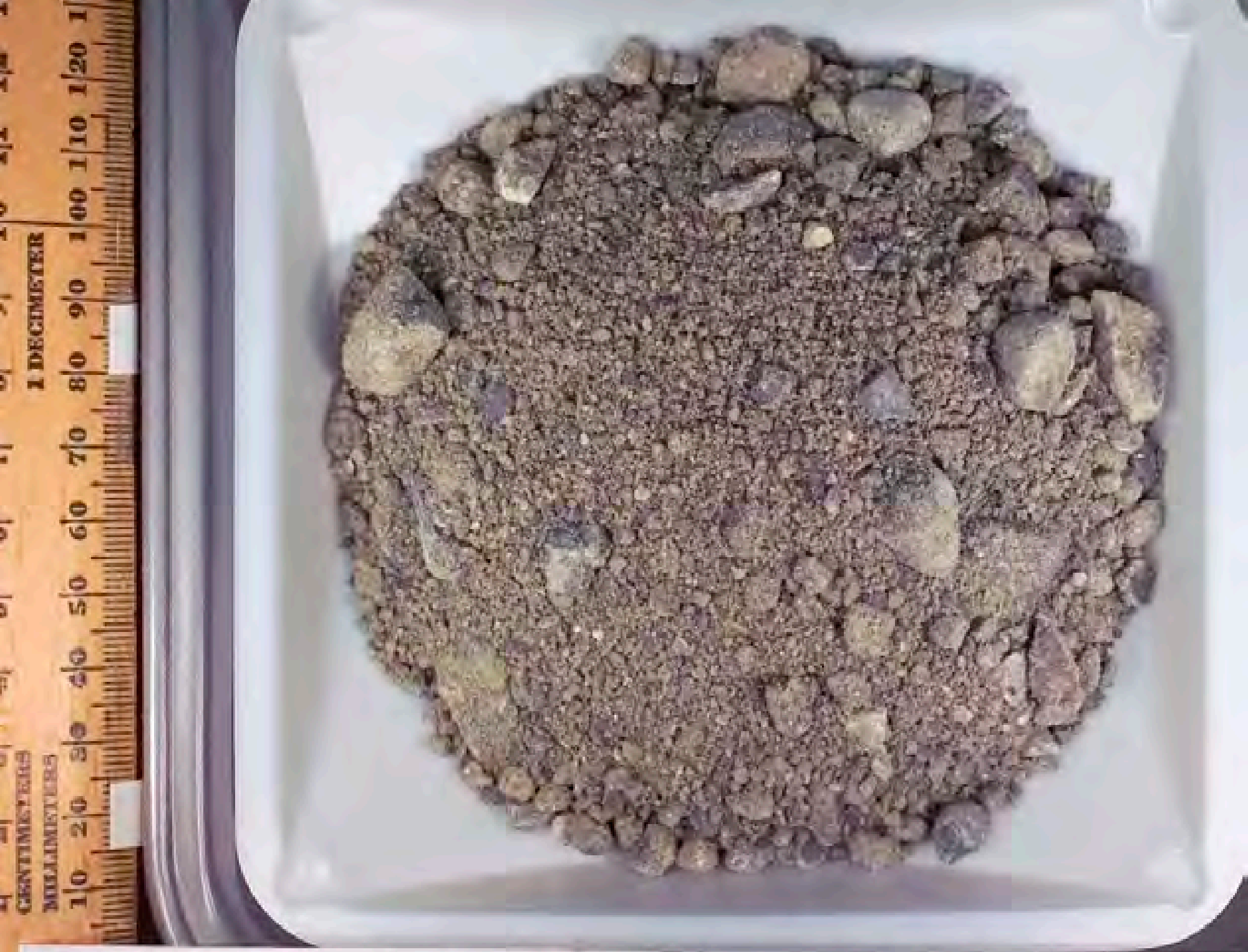
C5856 B1TNX0 200.0-200.0 ft Grab

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

C5856 B1TNX1 202.5-202.5 ft Grab

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

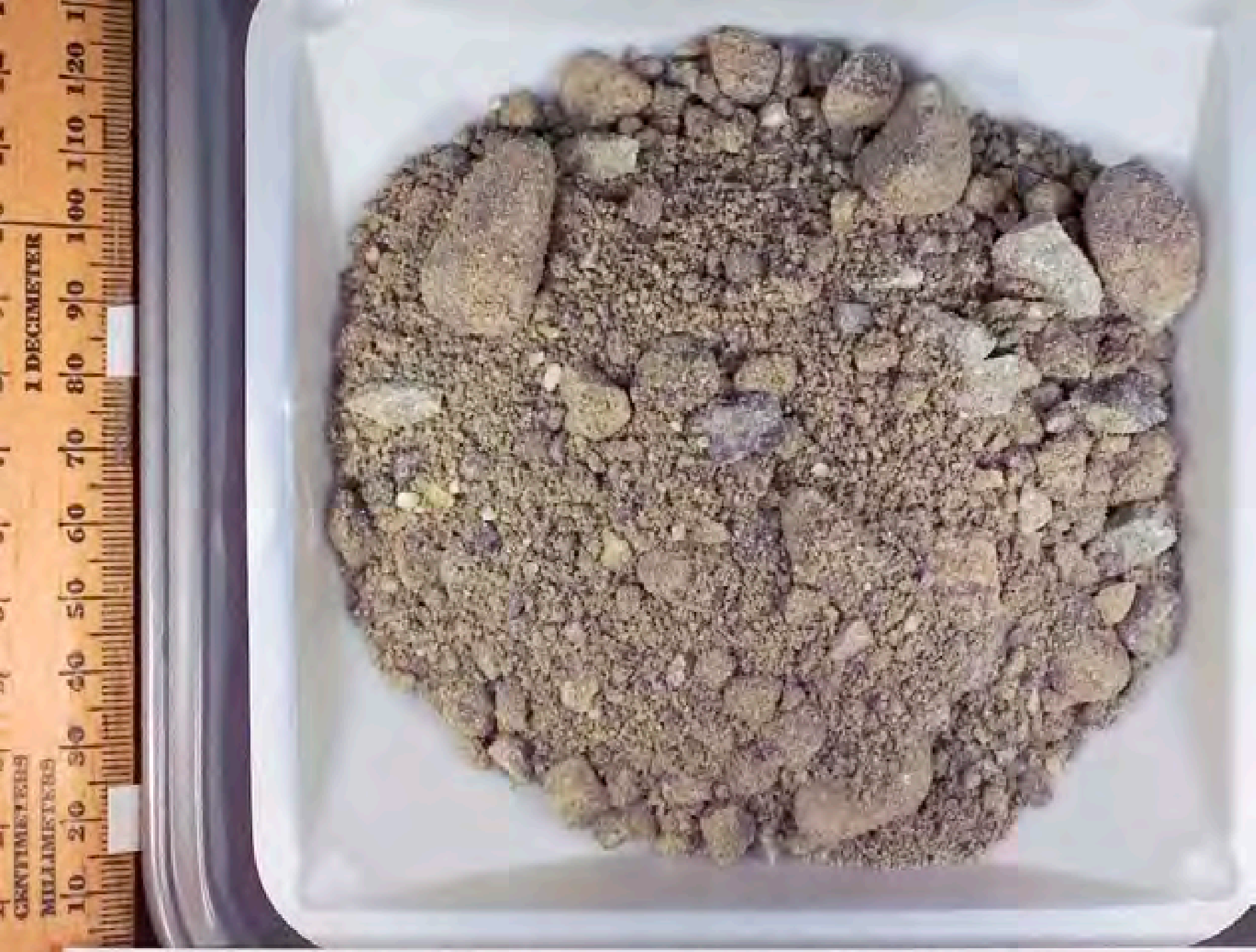
C5856	B1TNX2	205.0-205.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample



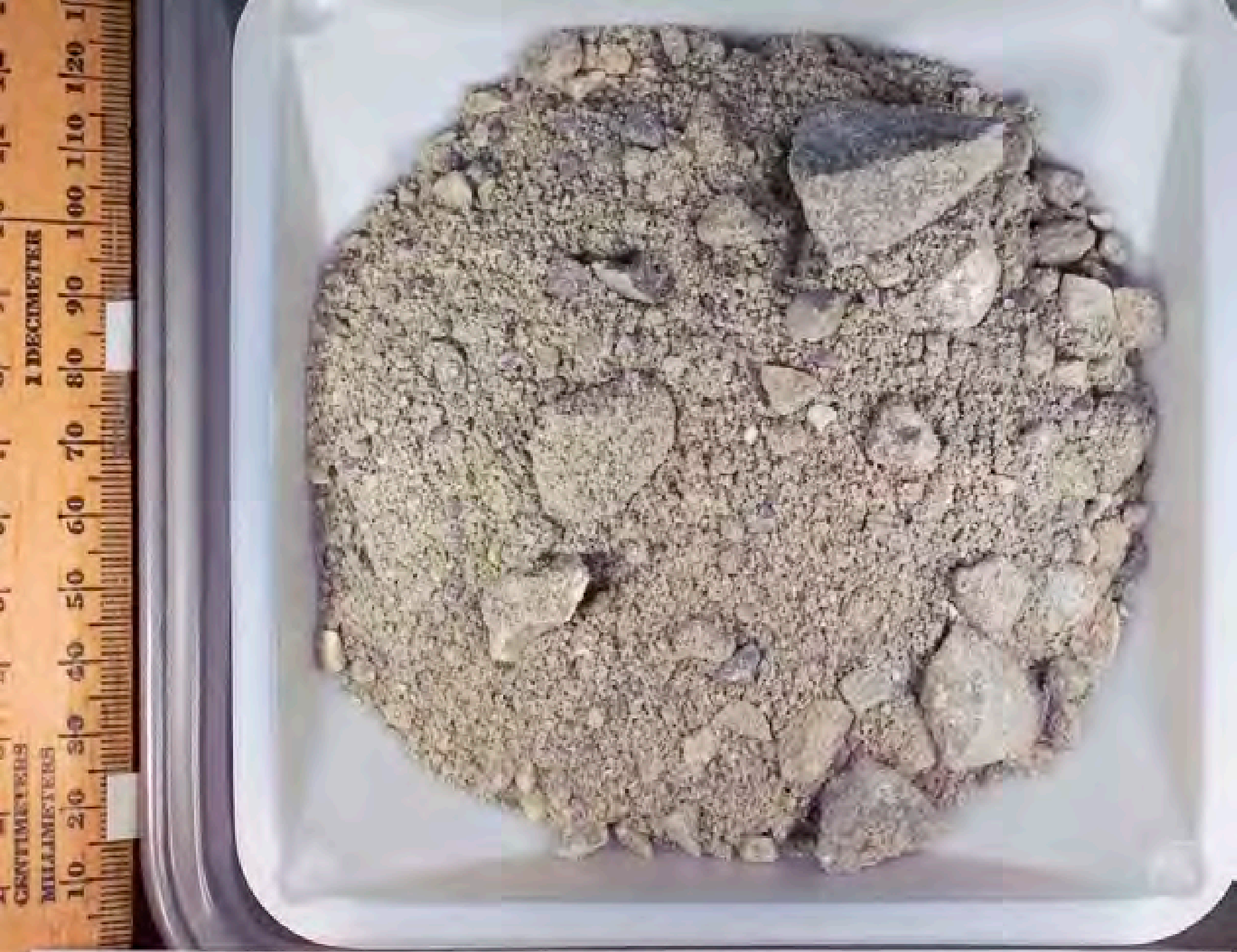
C5856 B1TNX3 207.5-207.5 ft Grab

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

C5856	B1TP85	210.0-210.0 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

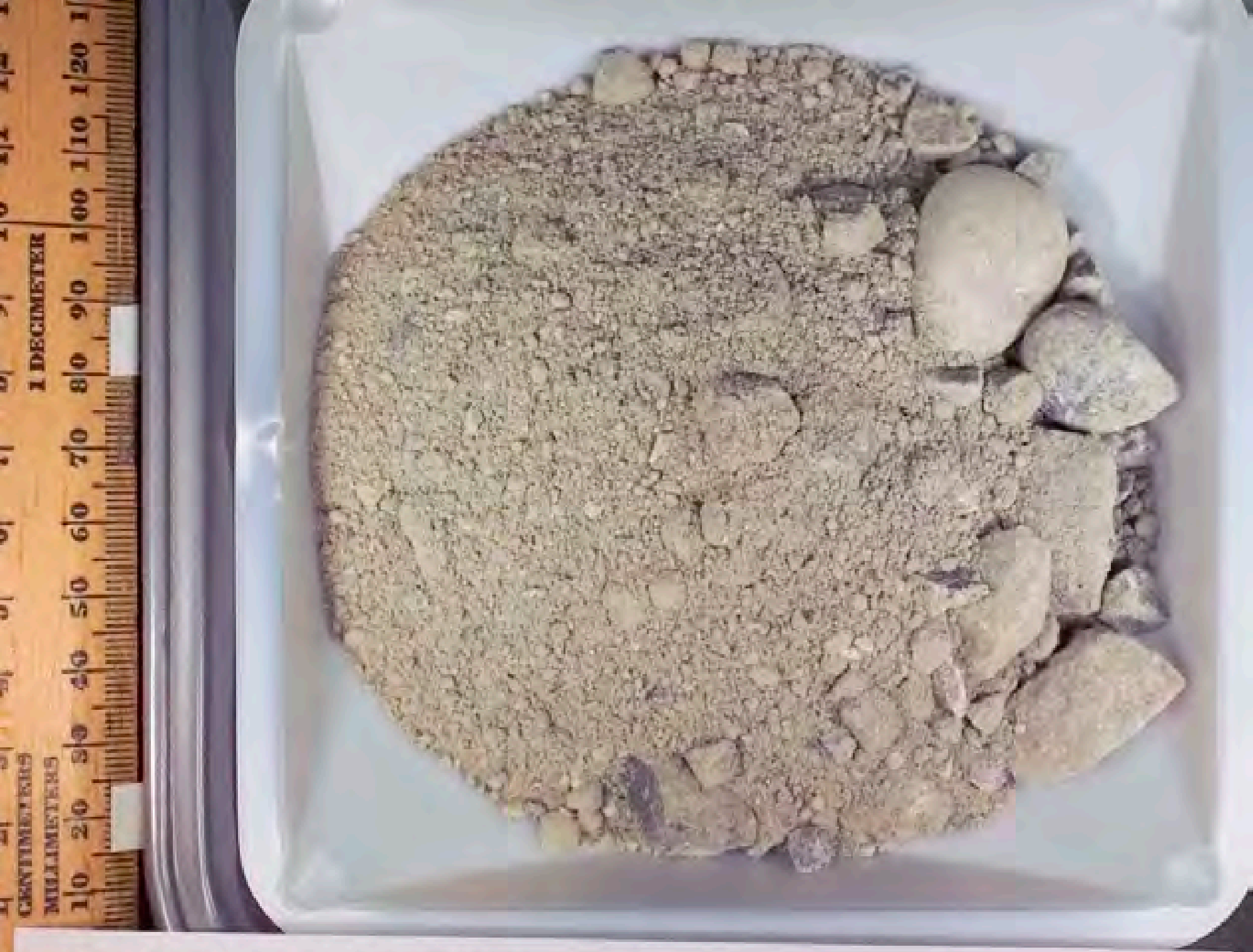


C5856	B1TP86	212.5-212.5 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sampl



C5856 B1TP87 215.0-215.0 ft Grab

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

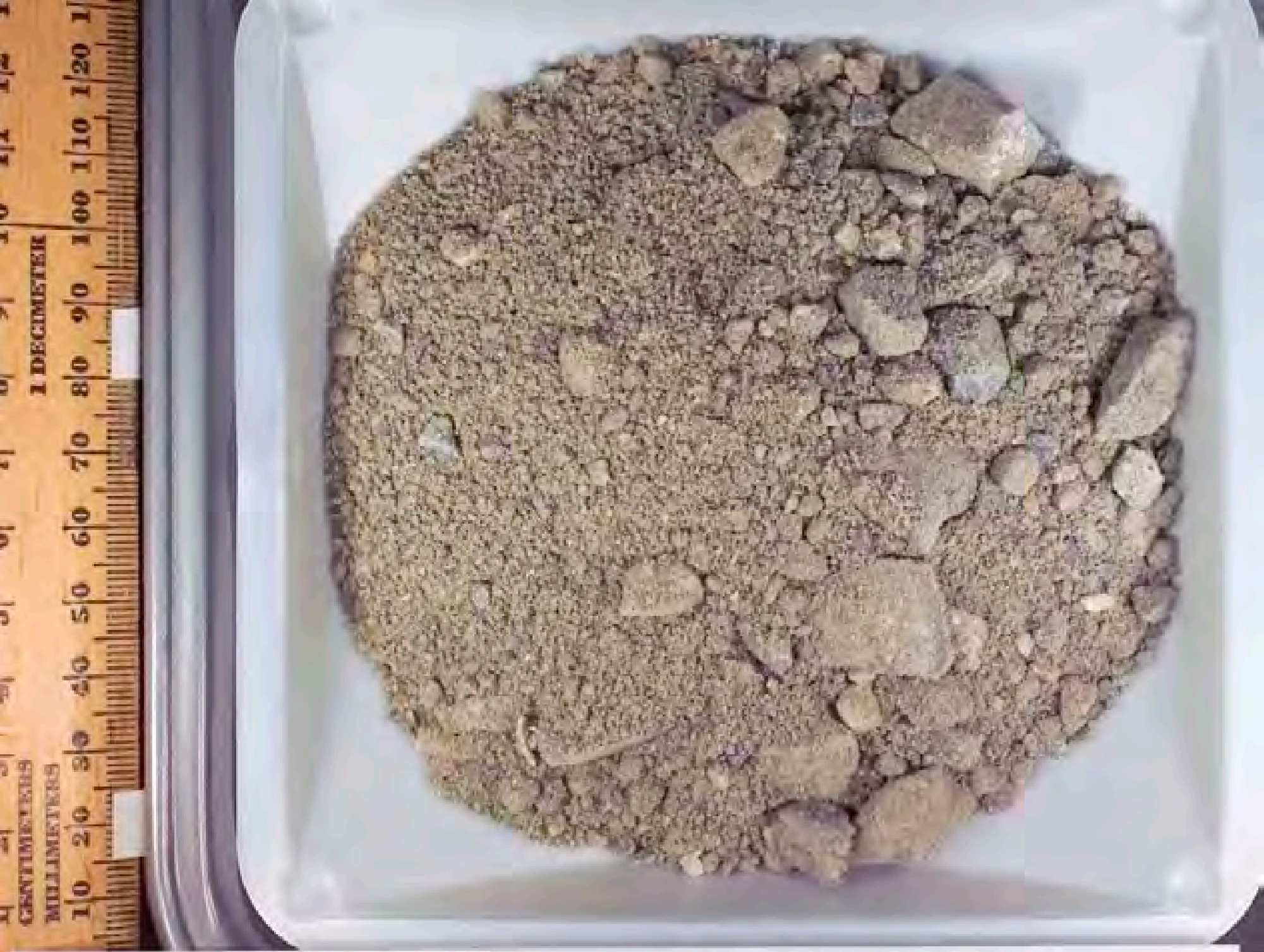


C5856 B1TP88 217.5-217.5 ft Grab

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

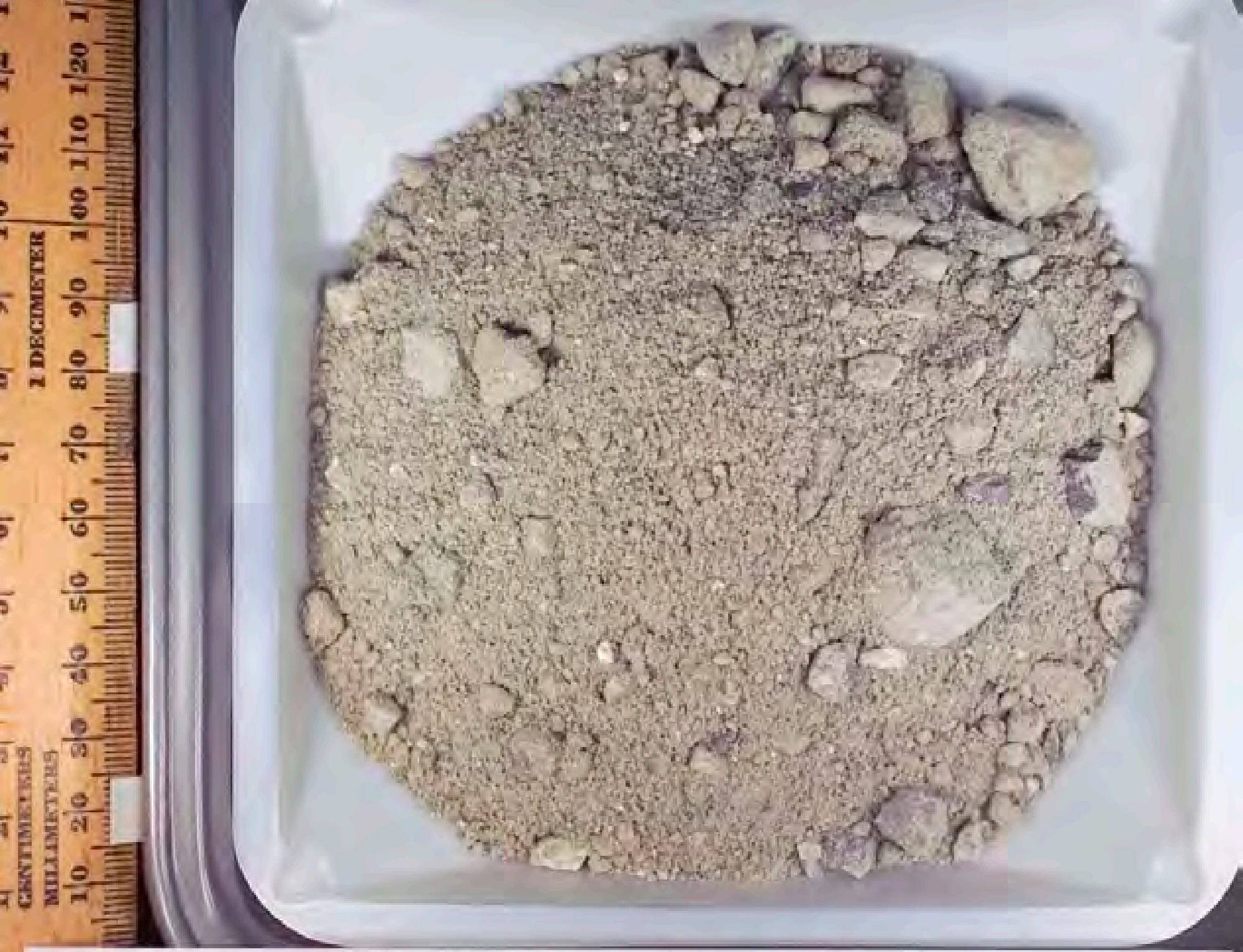
C5856 B1TP89 220.0-220.0 ft Grab

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



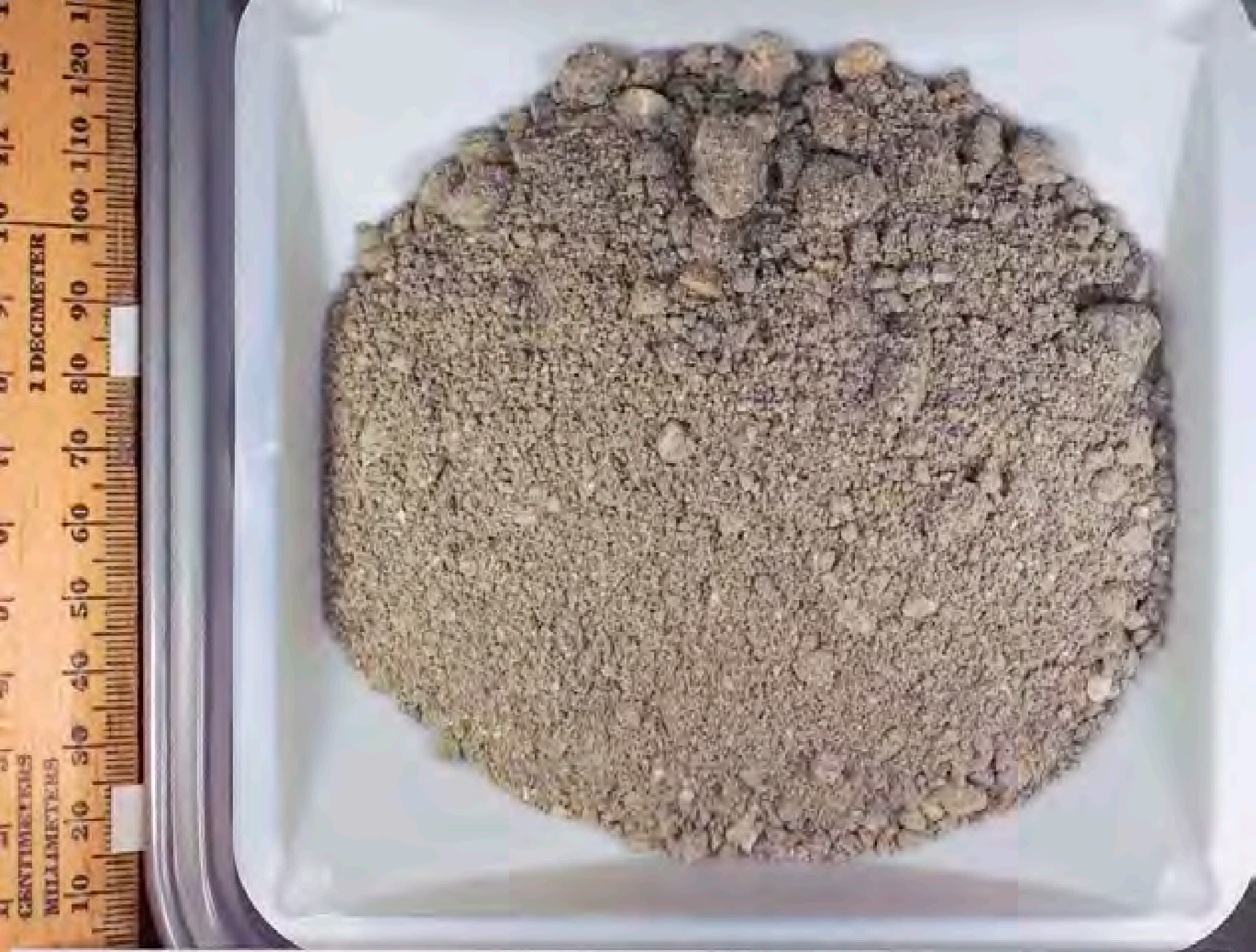
C5856 B1TP90 222.5-222.5 ft Grab

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



C5856 B1TP91 225.0-225.0 ft Grab

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



C5856	B1TP92	227.5-227.5 ft	Grab
Borehole ID	Sample Number	Depth from Chain-of-Custody	Sample

C5856 B1TP93 230.0-230.0 ft Grab

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

C5856 B1TP94 232.5-232.5 ft Grab

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

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-012 PAGE 1 OF 2

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-004

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
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 145 REF #1	4-30-08 1400	D. Parker	4-30-08 1400
D. Parker	4-30-08 1430	C. Toum	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**

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;

A-6003-618(01/06)

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
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
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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY/JC Bailey	4-29-08 1600	MO745 REF #1	4-29-08 1600
MO 745 Ref #1	4-30-08 1400	D. Park D. Park	4-30-08 1400
D. Park	4,30-08 1430	(illegible)	4/30/08 1430

SIGN/ PRINT NAMES

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**

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	W0745 REF #1	4-29-08 1600
W0745 REF #1	4-30-08 1400	D. Parker	4-30-08 1440
D. Parker	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**

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-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;

A-6003-618(01/06)

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 / [illegible]	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. Parcher	4.30.08
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. Parcher	4-30-08 1430	C. Louvin	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**

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-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;

A-6003-618(01/05)

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	✓	✓

31314

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 RAF #1	4-29-08 1600
MO 745 RAF #1	4-30-08 1440	D. Archer	4-30-08
D. Archer	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**

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-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;

Fluor Hanford Inc. — CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST — F08-075-018

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-010	**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** 30'	**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		
B1TP28	SOIL	4-29-08	1355	✓	✓

31394

CHAIN OF POSSESSION — SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JF Bailey / JF Bailey	4-29-08 1600	MO 245 REF #1	4-29-08 1600
MO 245 Ref #1	4-30-08 1400	D. Parch / DG Parch	4-30-08 1400
D. Parch / DG Parch	4-30-08 1430	C. Ern	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

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-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	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-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	✓	✓

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JCB	4-29-08 1600	M0745 REF # 1	4-29-08 1600
M0745 REF # 1	4-30-08	D. Parker	4-30-08
D. Parker	4-30-08 1430	C. Tom	4/30/08 1450

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-019	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-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;

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-020 PAGE 1 OF 2

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
JK BAILEY / JK Bailey	4-29-08 1600	VM0745 REF #1	4-29-08 1600
VM0745 Ref #1	4-30-08 1600	D. Parker D. Parker	4-30-08 1600
D. Parker	4-30-08 1430	C. Town	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-020	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-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;

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-075-150 | PAGE 1 OF 2

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-013	**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** 37.5'	**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		
B1TNV9	SOIL	4-29-08	1515	V	V

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	4-30-08 1430	D. Parker	4-30-08 1430
D Parker	4-30-08	C Dunn	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**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-150	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-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;

A-6003-618(01/06)

Fluor Hanford Inc. — CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST — F08-075-009 — PAGE 1 OF 1

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-001	**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** 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
JF BAILEY / JF Bailey	4-29-08 1600	WLO715 REF# 1	4-29-08 1600
MO 745 REF# 1	~~4-30-08~~ 5-1-08	D. Parker / D. Parker	~~4-30-08~~ 5-1-08
D. Parker / D. Parker	~~4-30-08~~ 5-1-08 1430	C. [illegible]	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

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-010 PAGE 1 OF 2

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. 313914

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
MO745 REF#1	4-30-08 1430	D. Parch	4-30-08 1430
D. Parch	4-30-08		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**

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-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;

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-075-011** | **PAGE 1 OF 1**

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-498-1	**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
J.K. BAILEY/JK Bailey	4-29-08 1600	DRO 745 REF #1	4-29-08 1600
DRO 745 REF #1	4-30-08 1400	D. Parker	4-30-08 1400
D. Parker	5-1-08 0830	P. Tom	5/11/08 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**

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-075-016 | PAGE 1 OF 2

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	V	V

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 D. E. PARCHER	5-1-08 1300
Fluor Hanford D. E. PARCHER	5-1-08 1430		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**

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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-151 PAGE 1 OF 2

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-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
	HNF-N-488-1	40'	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
B1TNW0	SOIL	4-30-08	0800

LOT NO. 31394

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS
JK BAILEY / JK BAILEY	4-30-08 1600	MO 745 REF # 1	4-30-08 1600	
MO 745 REF # 1	5-1-08	Fluor Hanford D. E. PARCHEN	5-1-08	
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	

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

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, 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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-152 PAGE 1 OF 2

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-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

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

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	SIGN/ PRINT NAMES RECEIVED BY/STORED IN	DATE/TIME
J BAILEY/JL Bailey	4-30-08 1600	M0745 REF #1	4-30-08 1600
M0745 REF #1	5-1-08 1200	Fluor Hanford D.E. PARCHEN	5-1-2008
Fluor Hanford D.E. PARCHEN	5-1-08 1430		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

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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-153 PAGE 1 OF 2

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-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

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated 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	1-30-08 1600	MO745 REF #1	4-30-08 1600
MO 745 Ref #1	5-1-08 1200	D. Parda	5-1-08 1300
D. Parda	5-1-08 1430	C Bunn	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**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-153	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-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 | PAGE 1 OF 2

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-489-1

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	✓	✓									

3134

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.C. BAILEY	4-30-08 1600	MO-745 REF #1	4-30-08 1600
MO-745 REF #1	5-1-08 1200	Fluor Hanford D. E. PARCHEN	5-1-08 1430
Fluor Hanford D. E. PARCHEN	5-1-08 1430	C. Sun	5/1/08 1430

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-154	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-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;

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-075-155** | **PAGE 1 OF 2**

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-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
	HNF-N-488-1	50'	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									
B1TNW4	SOIL	4-30-08	0930	✓	✓							

3394

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 W C Trent	5-1-08 1300
Fluor Hanford W C Trent	5-1-08 1430	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-155	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-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;

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-156 PAGE 1 OF 2

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-019

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
52.5'

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										
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
JK BAILEY / JK Bailey	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	C. Iovin	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

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-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 | PAGE 1 OF 1

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-020	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	55'-57.5'	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
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
B1TT72	SOIL	4-30-08	1100 ✓

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 J E PARCHEN	5-1-08 1200
Fluor Hanford J E PARCHEN	5-1-08 1430		5/1/08 1430

SIGN/ PRINT NAMES

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

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-022 PAGE 1 OF 2

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	✓									✓

3394

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 Boothelon	5/1/08 1300
DW Boothelon / DW Boothelon	5/1/08 1430	C. Dow	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**

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 PAGE 1 OF 1

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-022

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' - 60.0'

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
B1TT73	SOIL	4-30-08	1230 ✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JBAILEY / [signature]	4-30-08 1600	W0745 REF #1	4-30-08 1600
W0745 REF #1	5-1-08 1300	Fluor Hanford D. E. PARCHEN [signature]	5-1-08 1300
Fluor Hanford D. E. PARCHEN [signature]	5-1-08 1430	[signature]	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**

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-024 PAGE 1 OF 2

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-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
	HNF-N-488-1	57.5'	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 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	4-30-09	1223	✓	✓								

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JT Bailey / JC 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 1430	@ Inn	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-024	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-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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-025 PAGE 1 OF 1

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)

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
B1TT74	SOIL	4-30-08	~~1245~~ 1310

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	SIGN/ PRINT NAMES RECEIVED BY/STORED IN	DATE/TIME
JT BAILEY / JT Bailey	4-30-08 1600	IM 0745 REF #1	4-30-08 1600
IM 0745 REF #1	5-1-08 1300	Fluor Hanford J. E. PARCHEN	5-1-08 1300
Fluor Hanford J. 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**

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-026 PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO SAMPLER BAILEY	TRENT, STEVE	373-5869	WIDRIG, DL	8N	
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	45 Days / 45 Days
C5856, I-025	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	60'	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		
B1TP33	SOIL	4-30-08	1245	✓	✓

31394

CHAIN OF POSSESSION

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 Brother	5/1/08 1310
DW Brotherton / DW Brother	5/1/08 1430	[illegible]	5/1/08 1430

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

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.
** 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 | F08-075-027 | PAGE 1 OF 1

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 1430
Fluor Hanford D. E. PARCHEN	5-1-08 1430	C. Town	5/1/08 1432

SIGN/ PRINT NAMES

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**

Fluor Hanford Inc. — CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST — F08-075-028

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-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
	HNF-N-488-1	62.5'	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 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	✓	✓

31394

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	MO745 REF# 1	4-30-08 1600
MO745 REF # 1	5/1/08 1310	[signature]	5/1/08 1310
DW Brotherton [signature]	5/1/08 1430	C. [signature]	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

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-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 PAGE 1 OF 1

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-028	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-~~58~~-304.36-00 488-1	65' - 67.5'	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 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	
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/JCBAILEY	4-30-08 1600	M0745 REF #1	4-30-08 1600
M0745 REF #1	5-1-08 1200	Fluor Hanford D.F. PARCHEN	5-1-08 1300
Fluor Hanford D.F. 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.
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** 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

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

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 13:10	DW Bratton	5/1/08 13:00
DW Bratton DW Bratton	5/1/08 1430	C. Town	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**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-030	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-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.
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** 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 | F08-075-031 | PAGE 1 OF 1

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-030

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
67.5'-70.0'

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	
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 K.K. Earl	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 1000
Fluor Hanford D.E. PARCHEN	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.
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(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**

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-032 PAGE 1 OF 2

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-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
	HNF-N-488-1	67.5'	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 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	IM0745 REF # 1	43008 1600
IM0745 REF # 1	5/1/08 13:00	DW Brother	5/1/08 13:00
DW Brother / DW Brother	5/1/08 1430	C. Jenn	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-032	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-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;

A-6003-618(01/06)

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 / JK Bailey	4-30-08 1600	MO745 REF#1	4-30-08 1600
MO745 FREF#1	5/1/08 13:00	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

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-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 PAGE 1 OF 1

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
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
B1TT78	SOIL	5-1-08	0830 ✓

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JF Bailey / JK Beale	5-1-08 1600	M0745 REF #1	5-1-08 1600
M0 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

SIGN/ PRINT NAMES

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**

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-075-035 | PAGE 1 OF 1

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-034	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' - 75'	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
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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY / JTC	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 1310	DSmith	5-6-08 13:10

SIGN/ PRINT NAMES

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

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-036 PAGE 1 OF 2

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-035

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 72.5'

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		
B1TP38	SOIL	5-1-08	0903	✓	✓

31394

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JR BAILEY / CR Bailey	5-1-08 1600	IN0745 REF #1	5-1-08 1602
IN0745 REF #1	5-6-08 1310	J. S. Pope	5-6-08 1310
J. S. Pope	5-6-08 1310	DSmith	5-6-08 1310

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-036	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-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;

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-037 PAGE 1 OF 2

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-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 pg26

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

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

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	5-1-08 1600	M0745 REF #	5-1-08 1600
M0-745 REF #	5-6-08 1306	J. S. Pope	5-6-08 1306
J. 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**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-037	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-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;

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-038 PAGE 1 OF 2

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-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
	HNF-N-488-1 pg26	77.5'	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		
B1TP40	SOIL	5-1-08	1045	✓	✓

78688

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	5-1-08 1600	M0745 REF #1	5-1-08 1600
M0-745/REF #1	5-6-08 1300	J. S. Pope	5-6-08 1300
J. S. 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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-038	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-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 | PAGE 1 OF 2

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~~ JKBS 5-1-08 488-1 pg26	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

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

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

A-6003-618(01/06)

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-040 PAGE 1 OF 2

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-039

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 82.5'
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 - 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 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

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;

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-075-041** | **PAGE 1 OF 2**

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-588-1 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	✓	✓

0286ff

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 1300	J.S. Pope	5-6-08 1300
J.S. Pope	5-6-08 1310	B 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**

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-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, Thalllum} 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

F08-07S-042 PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO SAMPLER D Connolly	TRENT, STEVE	373-5869	WIDRIG, DL		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	45 Days / 45 Days
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**	
	HNF-N-488-1 pg 26	87.5'	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 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
M0745 Ref #1	5-6-08 1310	J. S. 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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-042	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-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.
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A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-043

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER D Connolly	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**		
	HNF-N-488-1 pg 26	90'	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 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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	SIGN/ PRINT NAMES: RECEIVED BY/STORED IN	DATE/TIME
DConnolly	5-1-8 1600	MO 745 Refl	5-1-8 1600
MO-745 Refl #1	5-6-08 1300		5-6-08 1300
	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**

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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-044 PAGE 1 OF 2

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
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
	HNF-N-418-1 pg 26	92.5'	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 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								
B1TP46	SOIL	5-1-8	1355	✓	✓						

028688

CHAIN OF POSSESSION

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		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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-044	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-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;

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**

D Connolly OS

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly OS	5-1-8 1600	MO745 Ref 1	5-1-8 1600
MO-745 / 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**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-046		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-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;

Fluor Hanford Inc. — CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST — F08-075-048

COLLECTOR NCO SAMPLER DConnolly	**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-N-488-1 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
DConnolly [illegible]	5-1-8 1600	MO745 Ref 1	5-1-8 1600
MO-745 / REF-#1	5-6-08 1300	J. S. Pope [signature]	5-6-08 1300
J. S. Pope [signature]	5-6-08 1310	DSmith [signature]	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

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 DConnolly	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
DConnolly	5-1-8 1600	MO745 Ref 1	5-1-8 1600
MO-745 REF #1	5-6-08 1300	J.S. Pope	5-6-08 1300
J.S. Pope	5-6-08 1320	DSmith	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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-050	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-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;

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-052

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-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
	HNF-N-488-1	102.5'	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		
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
JKBAILEY / 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 1420		5/9/08 1420

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-052	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-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;

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-075-054 | PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO SAMPLER BAILEY	TRENT, STEVE	373-5869	WIDRIG, DL	8N	
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**	
	HNF-N-488 - 1	105'	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								
B1TP51	SOIL	5-8-08	0845	✓	✓						

LOT NO. 31394

CHAIN OF POSSESSION

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 1630	K.J. YOUNG	MAY 09 2008 1630
K.J. YOUNG	5/9/08 1400		5/9/08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-054	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-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;

A-6003-618(01/06)

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			
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**		
	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
JR BAILEY / [signature]	5-8-8 1600	MO745 REF #3	5-8-8 1600
MO-745 Ref # 3 1030	MAY 09 2008	K.J. YOUNG [signature]	MAY 09 2008 1030
K.J. YOUNG [signature]	5/9/08 1400	[signature] 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**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-056	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-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.
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** 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;

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-058 PAGE 1 OF 2

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-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
	HNF-N-488-1	110'	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		
B1TP53	SOIL	5-8-8	0955	✓	✓

31394

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JKBAILEY/JKBailey	5-8-8 1600	W0745 REF #3	5-8-8 1600
W0745 REF #3	MAY 09 2008/1030	K.J. YOUNG	MAY 09 2008/1030
K.J. YOUNG	5/9/08 1400		5/9/08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-058	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-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.
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(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-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-060 PAGE 1 OF 2

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-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
	HNF-N-488-1	112.5'	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		
B1TP54	SOIL	5-8-8	1115	✓	✓

LOT NO. 31394

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	SIGN/ PRINT NAMES: RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	5-8-8 1600	MO745 REF #3 5-8-8	1600
MO-745 RBP #3	MAY 09 2008 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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-060	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-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 PAGE 1 OF 2

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-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. 31394

CHAIN OF POSSESSION

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

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-062	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-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;

A-6003-618(01/06)

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-063	**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** 117.5'	**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		
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
JK Bailey / JK Bailey	5-8-8 1600	MO745 REF#3	5-8-8 1600
MO-745 REF #3	MAY 09 2008 / 1030	W. YOUNG	MAY 09 2008 / 1030
W. YOUNG	5/9/08 1400	C. [signature]	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-064	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-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;

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-065 PAGE 1 OF 2

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-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
	HNF-N-488-1	120'	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		
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
JKFAILEY/JKBailey	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 1145	[signature] C Jour	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F08-075-065	PAGE 2 OF 2
COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N
NCO SAMPLER	TRENT, STEVE	373-5869	WIDRIG, DL	**DATA TURNAROUND**
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐
C5856, I-064	200-BP-5 OU Characterization for Wells 299-E33-341 and 299-E33-342 - G		F08-075	45 Days / 45 Days
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.
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(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-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-066 PAGE 1 OF 2

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-065

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
122.5'

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		
B1TP58	SOIL	5-9-8	0755	L	✓

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	MOMS REF #1	5-9-8 1500
1110745 REF #1	5-14-08 1130	R. PFISTER	5-14-08 1130
R. PFISTER	5-14-08 11:45	C Winn	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**

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;

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 BAILEY	TRENT, STEVE	373-5869	WIDRIG, DL			
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	☐	**45 Days / 45 Days**
C5856, 1-066	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**		
	HNF-N-488-1	125'	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		
B1TP59	SOIL	5-9-8	0830	V	✓

31394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JKB	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 1145	C. IOVA	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**

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

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-068

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-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**		
	HNF-N-488-1	127.5'	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 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
JK BAILEY / K E 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 1045	C. Tom [signature]	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**

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;

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-075-070** | **PAGE 1 OF 2**

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
JR BAILEY / [illegible]	5-9-8 1500	M0715 REF #1	5-9-8 1500
M0745 REF #1	5/15/08 07:30	DW Brotherton / [illegible]	5/15/08 07:30
DW Brotherton / [illegible]	5/15/8 9:00	C. Jim [illegible]	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**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-070	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-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;

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-488-1	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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	5-9-8 1500	M10745 REF #1	5-9-8 1500
M10-745 Ref #1	5/15/8 0730	DW Brother / DW Brother	5/15/08 0730
DW Brother / DW Brother	5/15/8 900	C. Tom	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**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-072	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-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.
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** 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;

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-074 PAGE 1 OF 2

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-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-488-1

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

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated 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 / JCBailey	5-9-8 1500	M0745 REF #1	5-9-8 1500
M0745 REF #1	5/15/08 07:30	DW Brotherton / DW Brotherton	5/15/08 07:30
DW Brotherton / DW Brotherton	5/15/8 900	C. Jouvin	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**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-074	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-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.
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(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-6003-618(01/06)

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/ J BAILEY	5-9-8 1500	M0745 REF #1	5-9-8 1500
M0745 REF #1	5/15/8 0730	DW BROTHERTON/DW BROTHERTON	5/15/8 0730
DW BROTHERTON/DW BROTHERTON	5/15/8 900	C. JOVIN	5/15/8 900

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**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-076	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-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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-078

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO SAMPLER BAILEY	TRENT, STEVE	373-5869	WIDRIG, DL	8N	
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**	
	HNF-N-488-1	140'	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
B1TP65	SOIL	5-9-8	1105

31314

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY	5-9-8 1500	MO745 REF # 1	5-9-8 1500
MO745 REF # 1	5/15/8 0730	DW BROTHERS - DW SMITH	5/15/8 7:30
DW BROTHERS - DW SMITH	5/15/8 900	C. JOHN	5/15/8 900

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**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-078	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-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;

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-080 PAGE 1 OF 2

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-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**		
	HNF-N-488-1	142.5'	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									
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	DWBROTHERTON/	5/15/08 0730
DWBROTHERTON/	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-080	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-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		

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 PAGE 1 OF 2

COLLECTOR NCO SAMPLER BAILEY	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N
SAMPLING LOCATION C5856, I-081	**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** 145'	**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 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	✓	✓									

3134

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JK BAILEY / JK Bailey	5-9-8 1520	W0745 REF #1	5-9-8 1500
W0-745 REF #1	5/15/08 07:30	DW Brothers / DW Brothers	5/15/08 07:30
DW BROTHERS / DW Brothers	5/15/08 900	P. Jouvi	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-082	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-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.
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** 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

F08-075-084 PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO SAMPLER BAILEY	TRENT, STEVE	373-5869	WIDRIG, DL	8N	
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**	
	HNF-N-488-1	147.5'	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 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
JR BAILEY KR Bailey	5-9-8 1500	MO745 REF #1	5-9-8 1500
MO 745 REF #1	5/15/08 07:30	DW Brotherton/DW Brotherton	5/15/08 07:30
DW Brotherton/DW Brotherton	5/15/08 900	C. Town	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**

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-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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-086 PAGE 1 OF 2

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
JK BAILEY / JK Bailey	5-9-8 1500	M0745 REF#1	5-9-8 1500
M0745 REF#1	5/9/08 5/15/08 07:30	DW Bentler - DW Bentler	5/15/08 07:30
DW Bentler - DW Bentler	5/15/08 900	C. Jarvis	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**

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
C5856, 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;

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-075-088 | PAGE 1 OF 2

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-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
	HNF-N-488-1	152.5'	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 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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	SIGN/ PRINT NAMES: RECEIVED BY/STORED IN	DATE/TIME
JR BAILEY / JR Bailey	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	C. Trini	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-088	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-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;

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-090 PAGE 1 OF 2

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-089	**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** 155'	**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									
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/K BAILEY	5-12-8 1600	MO745 REF # 1	5-12-8 1600
MO745 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	C. Jouvi	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-090	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-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.
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** 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;

A-6003-618(01/06)

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-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	**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		
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
JK BAILEY [signature]	5-12-8 1600	MO745 REF#1	5-12-8 1600
MO745-REF#1	5/15/8 08:00	DW Beckwith [signature]	5/15/8 08:00
DW Beckwith [signature]	5/15/8 9:00	C. Jovin [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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-092		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-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 S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
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** 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;

A-6003-618(01/06)

Fluor Hanford Inc. — CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST — F08-075-094 —

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-093	**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-408-1	**ACTUAL SAMPLE DEPTH** 160'	**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		
B1TP73	SOIL	5-12-8	1130	✓	✓

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
MO-745 REF #1	5/15/8 08:00	DW Brotherton/DW Brotherton [signature]	5/15/8 08:00
DW Brotherton/DW Brotherton [signature]	5/15/8 9:00	C. Iovin [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

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;

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
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
	HNF-N-488-1	162.5"	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		
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	5-12-08 1600	MO 245 Frig 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	DSmith DSH	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-096	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-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;

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-075-098 | PAGE 1 OF 2

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-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
	HNF-N-488-1	165'	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		
B1TP75	SOIL	5-12-08	1436	✓	✓

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Ma White / Ma. White	5-12-08 1600	M0745 Frig 1	5-12-08 1600
M0745 Frig #1	5/15/08 08:00	DuBedient / DuBedient	5/15/8 08:00
DuBedient / DuBedient	5/15/8 9:00	C. Irwin	5/15/08 9:00

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-098	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-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;

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-075-100 | PAGE 1 OF 2

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-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
	HNF-N-488-1	1675'	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									
B1TP76	SOIL	5-13-08	0804	✓	✓							

LOT # 031394

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MA White Mathew	5-13-08 1600	Mo 745 Frig 1	5-13-08 1600
Mo 745 Frig #1	5/15/8 08:00	DW Brotherton/DW Brotherton	5/15/8 08:00
DW Brotherton/DW Brotherton	5/15/8 9:00	C. Tom	5/15/08 9:00

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-100	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-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.
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(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 | F08-075-101 | PAGE 1 OF 2

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
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
	HNF-N-488-1	170'	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									
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 Fridge 1	5-13-08 1600
MO 745 Fridge #1	5/15/8 09:00	D. Brother / D. Bates	5/15/8 09:00
D. Brother / D. Bates	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

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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-103 PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO SAMPLER M A 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# 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M A White M A White	5-13-08 1600	MO 745 Frig 1	5-13-08 1600
MO 745 Frig 1	5-20-08 1200	M A White M A White	5-20-08 1200
M A White M A 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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-103	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-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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-105 PAGE 1 OF 2

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-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
MA White MA White	5-13-08 1600	No 745 Frig 1	5-13-08 1600
No 745 Frig 1	5-20-08 1200	M.A. 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**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-105	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-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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-107 PAGE 1 OF 2

COLLECTOR NCO SAMPLER M.A. White	**COMPANY CONTACT** TRENT, STEVE	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
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
ICE CHEST NO.	**FIELD LOGBOOK NO.** FNF-N-488-1	**ACTUAL SAMPLE DEPTH** 185'	**COA** 123514ES10
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

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

AIR QUALITY ☐

METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated 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
M A White / M A White	5-13-08 1600	Mo 745 Fri	5-13-08 1600
Mo 745 Fri	5-20-08 1200	M A White / M A White	5-20-08 1200
M A White / M A 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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-107	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-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;

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-109 PAGE 1 OF 2

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-488-1

ACTUAL SAMPLE DEPTH
187.51

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 # 231394

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**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-109	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-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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-111 PAGE 1 OF 2

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-113

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
190'

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									
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 Fris 1	5-13-08 1600
MO 745 Fris 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

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;

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-075-113 | PAGE 1 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-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			

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated 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 # 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 FRIG #1	5/16/08 1500
MO 745 Frig 1	5-20-08 1200	Mathew MAthew	5-20-08 ~~1200~~ 5-20-08
MAthew MAthew	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**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-113	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-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;

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-188 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	5/14/08	0807	X	X

Lot # 031394

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick / J. Herrick	5/14/08 1500	MO 745 FRIG #1	5/16/08 1500
MO 745 Frig #1	5-22-08 1330	Chris Fulton / Chris Fulton	5-22-08 1330
Chris Fulton / Chris Fulton	5-22-08 1400	D Smith / 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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-114	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-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		

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;

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 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 / Herrick	5/16/08 1500	MO 745 FRIG #1	5/16/08 1500
MO 745 Fridge #1 / S-22-08	1330	Chris Fu Hun / Chris Fu Hun	S-22-08 1330
Chris Fu Hun / Chris Fu Hun S-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**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-116	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-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.
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** 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;

A-6003-618(01/06)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-118 PAGE 1 OF 2

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-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 / 0634	212.5'	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 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 # 03154

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Heinrich	5/16/08 1500	MO 745 FRIG #1	5/16/08 1500
MO 745 Frig #1	5-22-08 1330	Christ Hon/	5-22-08 1330
Christ Hon/	5-22-08 1400	D Smith	5.22 08/1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-118	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-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.
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** 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 | F08-075-120 | PAGE 1 OF 2

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-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
	HNF-N-488-1	215'	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		
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 / JKBailey	5-20-8 1600	M0745 REF #1	5-20-8 1600
M0745 Fridge #1	5-22-08 1330	Christofferson/Christofferson	5-22-08 1330
Christofferson/Christofferson	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-07S-120	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-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;

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-075-122 | PAGE 1 OF 2

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-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
	HNF-N-488-1	217.5'	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 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

28689

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

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

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY — TITLE — DATE/TIME

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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-122	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-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;

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)

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										
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
JE Bailey / JE Bailey	5-20-8 1600	M0745 REF #1	5-20-8 1600
M0745 Fridge #1	5-22-08 1330	Chris Fulton / Chris Fulton	5-22-08 1330
Chris Fulton / 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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-124	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-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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-126 PAGE 1 OF 2

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-133

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
222.5 '

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		
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
JR Bailey KK Bailey	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 1409

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY — TITLE — DATE/TIME

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

A-6003-618(01/06)

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, 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	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-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
	HNF-N-488 · 1	225 /	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		
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
JK Bailey JK Bailey	5-20-8 1600	M0745 REF #1	5-20-8 1600
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
M0745 Ref 1	5-28-8 1230	D Connolly DC	5-28-08/230
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D Connolly DC	5-28-8 1300	D Smith DS	5-28-08 1300
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO SAMPLER	TRENT, 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;

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-075-131 | PAGE 1 OF 2

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
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
	HNF-N-4881	227.5'	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 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
[illegible]	5-22-08/1600	MO 413 FRIDGE	5-22-08/1600
MO-413/FRIDGE #2	6/4/08 11:30	[illegible]	6/4/8 11:30
[illegible]	6/4/8 1315	C. Inn	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-131	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-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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-132 PAGE 1 OF 2

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Drilling Rig Well	5-22-08/1600	MC 413 FRIDGE	5-22-08/1600
413 Fridge #2	6/4/08 11:30	Brother	6/4/8 11:30
Brother	6/4/8 1315		6/4/8 1315

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**

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-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;

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO SAMPLER WEBB	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**	
	HNF-N-4881	232.5'	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 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
DW WEBB / DW Webb	5-22-08/1600	MC 413 FRIDGE	5-22-08/1600
MO ~~714~~ 413 FRIDGE #2	6/4/8 11:30	Brotherton / B	6/4/8 11:30
Brotherton / B	6/4/8 1315	C. [illegible]	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

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;

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-075-157 | PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO SAMPLER M A White	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**	
	HNF-N-488-1	172.5'	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		
B1TNW6	SOIL	5-13-08	0848	✓	~~0848~~ 5-13-08

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 Be[illegible] / DWB[illegible]	5/15/8 0800
DW Be[illegible] / DWB[illegible]	5/15/8 9:00	C. Ivin [illegible]	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**

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-157	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-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;

Fluor Hanford Inc. — CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST — F08-075-158 — PAGE 1 OF 2

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
MO745 REF #1	5/15/8 08:00	DW Beattie [signature]	5/15/8 08:00
DW Beattie [signature]	5/15/8 9:00	C. Iouni [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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-158	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-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;

A-6003-618(01/06)

Fluor Hanford Inc. | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | F08-075-159 | PAGE 1 OF 2

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-103

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
177.5'

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										
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
MA White - MA White	5-13-08 1600	MO 745 Frig 1	5-13-08 1600
MO 745 FRIG #1	5/19/08 1230	J. Herrick	5/19/08 1230
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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-159	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-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 | PAGE 1 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-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 / P634	197.5'	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: 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 [signature]	5/16/08 1500	MO 745 FRIDG #1	5/16/08 1500
MO745 Fridge #1	5-22-08 1330	Chris Fulton [signature]	5-22-08 1330
Chris Fulton [signature]	5-22-08 1400	D Smith [signature] SAA	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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-160	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-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 PAGE 1 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-488/1	200'	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								
B1TNX0	SOIL	5/16/08	0912	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 FRIDG #1	5/16/08 1500
MO745 Fridge #1	5-22-08 1330	Christ Hon/	5-22-08 1330
Christ Hon/	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

A-6003-618(01/06)

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;

Fluor Hanford Inc. | **CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST** | **F08-075-162** |

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	

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated 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
MO745 Fridge #1 S-22-08	1330	Chris Sutton/Chris Sutton	S-22-08 1330
Chris Sutton/Chris Sutton	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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-162	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-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 PAGE 1 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-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 1	205'	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
B1TNX2	SOIL	5-16-08	1045

Lot # 031394

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick S. Herrick	5/16/08 1500	MO 745 Fridge #1	5-16-08 1500
MO745 Fridge # 1	5-22-08 1330	Chris Fulton	5-22-08 1330
Chris Fulton	5-22-08 1400	D Smith	5-22-08 1400

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION RECEIVED BY | TITLE | DATE/TIME

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

A-6003-618(01/06)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-075-163	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-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;

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-075-164 PAGE 1 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-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			

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

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated 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 # 031394

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Herrick	5-16-08 1500	MO 745 FRIG #1	5-16-08 1500
MO745 fridge #1	5-22-08 1330	Christutton	5-22-08 1330
Christutton	5-22-08 1410	DSmith	5-22-08 1410

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F08-075-164	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-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;