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Geochemical Study of Grab Samples Collected From BX Tank Farm Borehole C5989

Michael Lindberg

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Pacific Northwest
NATIONAL LABORATORY

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To: Frederick Mann

From: Michael J. Lindberg

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

Subject: Analytical Data Report for Sediment Samples Collected from BX Tank Farm Borehole C5989, Sample Delivery Groups ESL080020 and ESL080021, SAF Number F08-102 and V08-005

This is a comprehensive report combining the data from PNNL report PNNL- SA-62559 with analytical data from follow on analyses of sediment samples collected from BX Tank Farm Borehole C5989.

This letter contains the following information for sample delivery groups ESL080020 and ESL080021

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

Introduction

Between May 6, 2008 and July 24, 2008 sediment samples were received from BX Tank Farm Borehole C5989 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.

ICP-MS data is reported as total element concentration in terms of the specific isotope measured. The instrument software converts the concentration of an isotope of an element to the total concentration of the element based on the distribution of isotopes in the natural environment. For example, the total Cr concentration is reported from the raw count rates for both ^{52}Cr and ^{53}Cr based on taking the raw counts and dividing by the fraction of ^{52}Cr and ^{53}Cr found in nature to yield estimates of total Cr in the sample.

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:

No discrepancies noted

Preparation Blank (PB):

QC Sample 8I15002-BLK1 failed criteria for Barium in ICP-OES Vadose-WE.
MDL = 0.00879 ug/g
MRL = 0.00879 ug/g
Result = 0.0129 ug/g
Criterion = 1 x MRL
Blank Concentration was greater than 5 % of the measured concentrations of the samples. Barium will not be reported for samples associated with this preparation batch.

QC Sample 8L15001-BLK1 failed criteria for Chromium 53 in ICPMS-RCRA-AE.
MDL = 0.161 ug/g
MRL = 0.161 ug/g
Result = 0.575 ug/g
Criterion = 1 x MRL
Blank Concentration was greater than 5 % of the measured concentrations of the samples. Chromium 53 will not be reported for samples associated with this preparation batch.

Duplicate (DUP):

Duplicate RPD for Arsenic 75 (55.9%) was above the acceptance limit (35) in 8L15001-DUP1 for ICPMS-RCRA-AE.
All other duplicates and QC associated with the batch were within limits. Duplicate failure may be due to sample heterogeneity. There should be no impact to sample data as reported.

Duplicate RPD for Lead 206 (71.4%) was above the acceptance limit (35) in 8L15001-DUP1 for ICPMS-RCRA-AE.
All other duplicates and QC associated with the batch were within limits. Duplicate failure may be due to sample heterogeneity. There should be no impact to sample data as reported.

Duplicate RPD for Lead 208 (73.6%) was above the acceptance limit (35) in 8L15001-DUP1 for ICPMS-RCRA-AE.
All other duplicates and QC associated with the batch were within limits. Duplicate failure may be due to sample heterogeneity. There should be no impact to sample data as reported.

Laboratory Control Samples (LCS):

LCS Recovery for Silicon (124%) was outside acceptance limits (80-120) in 8I15003-BS1 for ICP-OES Vadose-WE.
Silicon will not be reported for samples associated with this preparation batch.

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

Post-Spike Recovery for Chromium 53 (65.7%) was outside acceptance limits (75-125) in 8L15001-PS1 for ICPMS-RCRA-AE.
Chromium 53 will not be reported for samples associated with this preparation batch.

Case Narrative Report

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

Post-Spike Recovery for Aluminum (207%) was outside acceptance limits (75-125) in 8L12002-PS1 for ICP-OES Vadose-AE. The native sample concentration of the sample was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Calcium (203%) was outside acceptance limits (75-125) in 8L12002-PS1 for ICP-OES Vadose-AE. The native sample concentration of the sample was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Magnesium (148%) was outside acceptance limits (75-125) in 8L12002-PS1 for ICP-OES Vadose-AE. The native sample concentration of the sample was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Iron (251%) was outside acceptance limits (75-125) in 8L12002-PS1 for ICP-OES Vadose-AE. The native sample concentration of the sample was greater than 5 times the spike concentration. There should be not impact to data as reported.

Matrix Spike (MS):

Not applicable.

Other QC Criteria:

No discrepancies noted.

DISCLAIMER

SAMPLES INCLUDED IN THIS REPORT

BX Farm C5989

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1VDW5	0805001-01	SOIL	4/30/08 09:30	5/6/08 14:30
B1VDW6	0805001-02	SOIL	5/1/08 11:00	5/6/08 14:30
B1VDW7	0805001-03	SOIL	5/5/08 09:15	5/6/08 14:30
B1VDW8	0805001-04	SOIL	5/5/08 09:15	5/6/08 14:30
B1VDW9	0805001-05	SOIL	5/5/08 09:15	5/6/08 14:30
B1VDX0	0805001-06	SOIL	5/5/08 09:15	5/6/08 14:30
B1V991	0805003-01	SOIL	4/30/08 09:30	5/9/08 14:00
B1V992	0805003-02	SOIL	5/5/08 09:15	5/9/08 14:00
B1V993	0805003-03	SOIL	5/5/08 09:40	5/9/08 14:00
B1V994	0805003-04	SOIL	5/5/08 10:00	5/9/08 14:00
B1V995	0805003-05	SOIL	5/5/08 10:25	5/9/08 14:00
B1V996	0805003-06	SOIL	5/5/08 10:45	5/9/08 14:00
B1V997	0805003-07	SOIL	5/5/08 11:00	5/9/08 14:00
B1V998	0805003-08	SOIL	5/5/08 13:20	5/9/08 14:00
B1V999	0805003-09	SOIL	5/6/08 08:30	5/13/08 13:30
B1V9B0	0805003-10	SOIL	5/6/08 10:00	5/13/08 13:30
B1V9B1	0805003-11	SOIL	5/6/08 10:06	5/13/08 13:30
B1V9B2	0805003-12	SOIL	5/6/08 13:15	5/13/08 13:30
B1V9B3	0805003-13	SOIL	5/6/08 13:27	5/13/08 13:30
B1V9B4	0805003-14	SOIL	5/7/08 14:35	5/13/08 13:30
B1V9B5	0805003-15	SOIL	5/8/08 09:14	5/13/08 13:30
B1V9B6	0805003-16	SOIL	5/8/08 09:45	5/13/08 13:30
B1V9B7	0805003-17	SOIL	5/8/08 10:04	5/14/08 09:30
B1V9B8	0805003-18	SOIL	5/8/08 10:50	5/14/08 09:30
B1V9B9	0805003-19	SOIL	5/8/08 13:00	5/14/08 09:30
B1V9C0	0805003-20	SOIL	5/8/08 13:40	5/14/08 09:30
B1V9C1	0805003-21	SOIL	5/8/08 14:20	5/14/08 09:30
B1V9C2	0805003-22	SOIL	5/8/08 14:40	5/14/08 09:30
B1V9C3	0805003-23	SOIL	5/12/08 09:20	5/14/08 09:30
B1V9C4	0805003-24	SOIL	5/12/08 10:05	5/14/08 09:30
B1V2V5	0805003-25	SOIL	5/12/08 13:10	5/16/08 11:00

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

Metals 1:1 DI Water Extract by ICPMS

Metals Acid Extract by ICPMS

1:1 DI Water Extract

Carbon, Total, Combustion or Oxidation

Inorganic Carbon, Total, Combustion or Oxidation

Anions By Ion Chromatography

Alkalinity, Titrimetic (pH 4.5)

GEA No Preparation

Metals 1:1 Water Extract by ICPOES

Metals Acid Extract by ICPOES

Moisture Content

Nitric Acid Digestion

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 1:1 DI Water Extract By LSC

Total Alpha Total Beta Acid Extract By LSC

SAMPLES ANALYZED IN THIS REPORT

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1VDW5	0805001-01	SOIL	4/30/08 09:30	5/6/08 14:30
B1VDW6	0805001-02	SOIL	5/1/08 11:00	5/6/08 14:30
B1VDW7	0805001-03	SOIL	5/5/08 09:15	5/6/08 14:30
B1VDW8	0805001-04	SOIL	5/5/08 09:15	5/6/08 14:30
B1VDW9	0805001-05	SOIL	5/5/08 09:15	5/6/08 14:30
B1VDX0	0805001-06	SOIL	5/5/08 09:15	5/6/08 14:30
B1V991	0805003-01	SOIL	4/30/08 09:30	5/9/08 14:00
B1V992	0805003-02	SOIL	5/5/08 09:15	5/9/08 14:00
B1V993	0805003-03	SOIL	5/5/08 09:40	5/9/08 14:00
B1V994	0805003-04	SOIL	5/5/08 10:00	5/9/08 14:00
B1V995	0805003-05	SOIL	5/5/08 10:25	5/9/08 14:00
B1V996	0805003-06	SOIL	5/5/08 10:45	5/9/08 14:00
B1V997	0805003-07	SOIL	5/5/08 11:00	5/9/08 14:00
B1V998	0805003-08	SOIL	5/5/08 13:20	5/9/08 14:00
B1V999	0805003-09	SOIL	5/6/08 08:30	5/13/08 13:30
B1V9B0	0805003-10	SOIL	5/6/08 10:00	5/13/08 13:30
B1V9B1	0805003-11	SOIL	5/6/08 10:06	5/13/08 13:30
B1V9B2	0805003-12	SOIL	5/6/08 13:15	5/13/08 13:30
B1V9B3	0805003-13	SOIL	5/6/08 13:27	5/13/08 13:30
B1V9B4	0805003-14	SOIL	5/7/08 14:35	5/13/08 13:30
B1V9B5	0805003-15	SOIL	5/8/08 09:14	5/13/08 13:30
B1V9B6	0805003-16	SOIL	5/8/08 09:45	5/13/08 13:30
B1V9B7	0805003-17	SOIL	5/8/08 10:04	5/14/08 09:30
B1V9B8	0805003-18	SOIL	5/8/08 10:50	5/14/08 09:30
B1V9B9	0805003-19	SOIL	5/8/08 13:00	5/14/08 09:30
B1V9C0	0805003-20	SOIL	5/8/08 13:40	5/14/08 09:30
B1V9C1	0805003-21	SOIL	5/8/08 14:20	5/14/08 09:30
B1V9C2	0805003-22	SOIL	5/8/08 14:40	5/14/08 09:30
B1V9C3	0805003-23	SOIL	5/12/08 09:20	5/14/08 09:30
B1V9C4	0805003-24	SOIL	5/12/08 10:05	5/14/08 09:30
B1V2V5	0805003-25	SOIL	5/12/08 13:10	5/16/08 11:00

Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0805001-01	B1VDW5	3.86E1	2.34E1	8/06/08	8H06003
0805001-02	B1VDW6	3.78E1	2.29E1	8/06/08	8H06003
0805001-03	B1VDW7	4.38E1	2.34E1	8/06/08	8H06003
0805001-04	B1VDW8	4.79E1	2.31E1	8/06/08	8H06003
0805001-05	B1VDW9	4.62E1	2.31E1	8/06/08	8H06003
0805001-06	B1VDX0	5.90E1	2.53E1	8/06/08	8H06003
0805003-01	B1V991	3.65E1	2.35E1	8/06/08	8H06003
0805003-02	B1V992	4.85E1	2.34E1	8/06/08	8H06003
0805003-03	B1V993	4.37E1	2.33E1	8/06/08	8H06003
0805003-04	B1V994	5.83E1	2.34E1	8/06/08	8H06003
0805003-05	B1V995	5.40E1	2.35E1	8/06/08	8H06003
0805003-06	B1V996	7.98E1	2.35E1	8/06/08	8H06002
0805003-07	B1V997	6.91E1	2.35E1	8/06/08	8H06002
0805003-08	B1V998	5.78E1	2.35E1	8/06/08	8H06002
0805003-09	B1V999	5.61E1	2.34E1	8/06/08	8H06002
0805003-10	B1V9B0	5.68E1	2.34E1	8/06/08	8H06002
0805003-11	B1V9B1	5.00E1	2.34E1	8/06/08	8H06002
0805003-12	B1V9B2	4.41E1	2.35E1	8/06/08	8H06002
0805003-13	B1V9B3	6.24E1	2.35E1	8/06/08	8H06002
0805003-14	B1V9B4	5.39E1	2.35E1	8/06/08	8H06002
0805003-15	B1V9B5	3.57E1	2.35E1	8/06/08	8H06002
0805003-16	B1V9B6	4.01E1	2.34E1	8/06/08	8H06002
0805003-17	B1V9B7	3.65E1	2.35E1	8/06/08	8H06002
0805003-18	B1V9B8	3.44E1	2.36E1	8/06/08	8H06002
0805003-19	B1V9B9	3.63E1	2.34E1	8/06/08	8H06002
0805003-20	B1V9C0	3.43E1	2.36E1	8/06/08	8H06002
0805003-21	B1V9C1	3.19E1	2.35E1	8/06/08	8H06002
0805003-22	B1V9C2	3.26E1	2.35E1	8/06/08	8H06002
0805003-23	B1V9C3	3.56E1	2.34E1	8/06/08	8H06002
0805003-24	B1V9C4	3.73E1	2.35E1	8/06/08	8H06002
0805003-25	B1V2V5	4.09E1	2.34E1	8/06/08	8H06002

Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0805001-01	B1VDW5	6.90E-2	1.00E-2	8/05/08	8H04007
0805001-02	B1VDW6	6.80E-2	1.00E-2	8/05/08	8H04007
0805001-03	B1VDW7	8.30E-2	1.00E-2	8/05/08	8H04007
0805001-04	B1VDW8	8.70E-2	1.00E-2	8/05/08	8H04007
0805001-05	B1VDW9	7.70E-2	1.00E-2	8/05/08	8H04007
0805001-06	B1VDX0	6.50E-2	1.00E-2	8/05/08	8H04007
0805003-01	B1V991	6.00E-2	1.00E-2	8/05/08	8H04007
0805003-02	B1V992	8.00E-2	1.00E-2	8/05/08	8H04007
0805003-03	B1V993	7.30E-2	1.00E-2	8/05/08	8H04007
0805003-04	B1V994	9.20E-2	1.00E-2	8/05/08	8H04007
0805003-05	B1V995	9.10E-2	1.00E-2	8/05/08	8H04007
0805003-06	B1V996	1.51E-1	1.00E-2	8/01/08	8G31008
0805003-07	B1V997	1.47E-1	1.00E-2	8/01/08	8G31008
0805003-08	B1V998	1.37E-1	1.00E-2	8/01/08	8G31008
0805003-09	B1V999	1.39E-1	1.00E-2	8/01/08	8G31008
0805003-10	B1V9B0	1.33E-1	1.00E-2	8/01/08	8G31008
0805003-11	B1V9B1	1.32E-1	1.00E-2	8/01/08	8G31008
0805003-12	B1V9B2	1.33E-1	1.00E-2	8/01/08	8G31008
0805003-13	B1V9B3	1.74E-1	1.00E-2	8/01/08	8G31008
0805003-14	B1V9B4	1.26E-1	1.00E-2	8/01/08	8G31008
0805003-15	B1V9B5	9.00E-2	1.00E-2	8/01/08	8G31008
0805003-16	B1V9B6	1.19E-1	1.00E-2	8/01/08	8G31008
0805003-17	B1V9B7	1.44E-1	1.00E-2	8/01/08	8G31008
0805003-18	B1V9B8	1.36E-1	1.00E-2	8/01/08	8G31008
0805003-19	B1V9B9	1.59E-1	1.00E-2	8/01/08	8G31008
0805003-20	B1V9C0	1.63E-1	1.00E-2	8/01/08	8G31008
0805003-21	B1V9C1	1.74E-1	1.00E-2	8/01/08	8G31008
0805003-22	B1V9C2	1.79E-1	1.00E-2	8/01/08	8G31008
0805003-23	B1V9C3	1.37E-1	1.00E-2	8/01/08	8G31008
0805003-24	B1V9C4	1.38E-1	1.00E-2	8/01/08	8G31008
0805003-25	B1V2V5	1.00E-1	1.00E-2	8/01/08	8G31008

Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0805001-01	B1VDW5	1.82E0	N/A	7/30/08	8G21008
0805001-02	B1VDW6	1.99E0	N/A	7/30/08	8G21008
0805001-03	B1VDW7	3.23E0	N/A	7/30/08	8G21008
0805001-04	B1VDW8	3.65E0	N/A	7/30/08	8G21008
0805001-05	B1VDW9	4.45E0	N/A	7/30/08	8G21008
0805001-06	B1VDX0	5.67E0	N/A	7/30/08	8G21008
0805003-01	B1V991	1.78E0	N/A	7/30/08	8G21008
0805003-02	B1V992	5.00E0	N/A	7/30/08	8G21008
0805003-03	B1V993	2.98E0	N/A	7/30/08	8G21008
0805003-04	B1V994	4.73E0	N/A	7/30/08	8G21008
0805003-05	B1V995	5.39E0	N/A	7/30/08	8G21008
0805003-06	B1V996	8.32E0	N/A	7/30/08	8G21008
0805003-07	B1V997	6.98E0	N/A	7/30/08	8G21008
0805003-08	B1V998	4.84E0	N/A	7/30/08	8G21008
0805003-09	B1V999	5.28E0	N/A	7/30/08	8G21008
0805003-10	B1V9B0	5.06E0	N/A	7/30/08	8G21008
0805003-11	B1V9B1	5.95E0	N/A	7/30/08	8G21008
0805003-12	B1V9B2	4.15E0	N/A	7/30/08	8G21008
0805003-13	B1V9B3	4.37E0	N/A	7/30/08	8G21008
0805003-14	B1V9B4	6.34E0	N/A	7/30/08	8G21008
0805003-15	B1V9B5	2.23E0	N/A	7/30/08	8G21008
0805003-16	B1V9B6	2.23E0	N/A	7/30/08	8G21008
0805003-17	B1V9B7	2.46E0	N/A	7/30/08	8G21008
0805003-18	B1V9B8	2.50E0	N/A	7/30/08	8G21008
0805003-19	B1V9B9	2.59E0	N/A	7/30/08	8G21008
0805003-20	B1V9C0	2.57E0	N/A	7/30/08	8G21008
0805003-21	B1V9C1	2.49E0	N/A	7/30/08	8G21008
0805003-22	B1V9C2	4.40E0	N/A	7/30/08	8G21008
0805003-23	B1V9C3	4.86E0	N/A	7/30/08	8G21008
0805003-24	B1V9C4	5.44E0	N/A	7/30/08	8G21008
0805003-25	B1V2V5	4.30E0	N/A	7/30/08	8G21008

Wet Chemistry

pH (pH Units) by AGG-pH-001

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0805001-01	B1VDW5	9.35E0	N/A	8/05/08	8H04008
0805001-02	B1VDW6	8.46E0	N/A	8/05/08	8H04008
0805001-03	B1VDW7	8.57E0	N/A	8/05/08	8H04008
0805001-04	B1VDW8	8.31E0	N/A	8/05/08	8H04008
0805001-05	B1VDW9	8.57E0	N/A	8/05/08	8H04008
0805001-06	B1VDX0	8.66E0	N/A	8/05/08	8H04008
0805003-01	B1V991	8.39E0	N/A	8/05/08	8H04008
0805003-02	B1V992	8.56E0	N/A	8/05/08	8H04008
0805003-03	B1V993	8.65E0	N/A	8/05/08	8H04008
0805003-04	B1V994	8.64E0	N/A	8/05/08	8H04008
0805003-05	B1V995	8.67E0	N/A	8/05/08	8H04008
0805003-06	B1V996	8.94E0	N/A	8/01/08	8H01005
0805003-07	B1V997	8.99E0	N/A	8/01/08	8H01005
0805003-08	B1V998	9.09E0	N/A	8/01/08	8H01005
0805003-09	B1V999	8.85E0	N/A	8/01/08	8H01005
0805003-10	B1V9B0	8.88E0	N/A	8/01/08	8H01005
0805003-11	B1V9B1	8.65E0	N/A	8/01/08	8H01005
0805003-12	B1V9B2	8.51E0	N/A	8/01/08	8H01005
0805003-13	B1V9B3	8.59E0	N/A	8/01/08	8H01005
0805003-14	B1V9B4	8.34E0	N/A	8/01/08	8H01005
0805003-15	B1V9B5	8.84E0	N/A	8/01/08	8H01005
0805003-16	B1V9B6	8.65E0	N/A	8/01/08	8H01005
0805003-17	B1V9B7	8.56E0	N/A	8/01/08	8H01005
0805003-18	B1V9B8	8.38E0	N/A	8/01/08	8H01005
0805003-19	B1V9B9	8.36E0	N/A	8/01/08	8H01005
0805003-20	B1V9C0	8.25E0	N/A	8/01/08	8H01005
0805003-21	B1V9C1	8.13E0	N/A	8/01/08	8H01005
0805003-22	B1V9C2	8.02E0	N/A	8/01/08	8H01005
0805003-23	B1V9C3	8.30E0	N/A	8/01/08	8H01005
0805003-24	B1V9C4	8.48E0	N/A	8/01/08	8H01005
0805003-25	B1V2V5	8.60E0	N/A	8/01/08	8H01005

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1VDW5**		**Lab ID:**	**0805001-01**			
16984-48-8	Fluoride	2.37E-1	ug/g dry	1.99E-1	8/06/08	8H05004	AGG-IC-001
16887-00-6	Chloride	6.21E-1	ug/g dry	4.98E-1	8/06/08	8H05004	AGG-IC-001
14797-65-0	Nitrite	<9.96E-1	ug/g dry	9.96E-1	8/06/08	8H05004	AGG-IC-001
24959-67-9	Bromide	<9.96E-1	ug/g dry	9.96E-1	8/06/08	8H05004	AGG-IC-001
14797-55-8	Nitrate	2.74E0	ug/g dry	9.96E-1	8/06/08	8H05004	AGG-IC-001
14808-79-8	Sulfate	<1.49E0	ug/g dry	1.49E0	8/06/08	8H05004	AGG-IC-001
l4265-44-2	Phosphate	<1.49E0	ug/g dry	1.49E0	8/06/08	8H05004	AGG-IC-001
HEIS No.	**B1VDW6**		**Lab ID:**	**0805001-02**			
16984-48-8	Fluoride	6.08E-1	ug/g dry	1.95E-1	8/06/08	8H05004	AGG-IC-001
16887-00-6	Chloride	5.20E-1	ug/g dry	4.88E-1	8/06/08	8H05004	AGG-IC-001
14797-65-0	Nitrite	<9.76E-1	ug/g dry	9.76E-1	8/06/08	8H05004	AGG-IC-001
24959-67-9	Bromide	<9.76E-1	ug/g dry	9.76E-1	8/06/08	8H05004	AGG-IC-001
14797-55-8	Nitrate	2.45E0	ug/g dry	9.76E-1	8/06/08	8H05004	AGG-IC-001
14808-79-8	Sulfate	<1.46E0	ug/g dry	1.46E0	8/06/08	8H05004	AGG-IC-001
l4265-44-2	Phosphate	<1.46E0	ug/g dry	1.46E0	8/06/08	8H05004	AGG-IC-001
HEIS No.	**B1VDW7**		**Lab ID:**	**0805001-03**			
16984-48-8	Fluoride	7.20E-1	ug/g dry	1.99E-1	8/06/08	8H05004	AGG-IC-001
16887-00-6	Chloride	8.08E-1	ug/g dry	4.97E-1	8/06/08	8H05004	AGG-IC-001
14797-65-0	Nitrite	<9.93E-1	ug/g dry	9.93E-1	8/06/08	8H05004	AGG-IC-001
24959-67-9	Bromide	<9.93E-1	ug/g dry	9.93E-1	8/06/08	8H05004	AGG-IC-001
14797-55-8	Nitrate	2.37E0	ug/g dry	9.93E-1	8/06/08	8H05004	AGG-IC-001
14808-79-8	Sulfate	1.87E0	ug/g dry	1.49E0	8/06/08	8H05004	AGG-IC-001
l4265-44-2	Phosphate	<1.49E0	ug/g dry	1.49E0	8/06/08	8H05004	AGG-IC-001
HEIS No.	**B1VDW8**		**Lab ID:**	**0805001-04**			
16984-48-8	Fluoride	9.32E-1	ug/g dry	1.97E-1	8/06/08	8H05004	AGG-IC-001
16887-00-6	Chloride	5.34E-1	ug/g dry	4.92E-1	8/06/08	8H05004	AGG-IC-001
14797-65-0	Nitrite	<9.85E-1	ug/g dry	9.85E-1	8/06/08	8H05004	AGG-IC-001
24959-67-9	Bromide	<9.85E-1	ug/g dry	9.85E-1	8/06/08	8H05004	AGG-IC-001
14797-55-8	Nitrate	1.55E0	ug/g dry	9.85E-1	8/06/08	8H05004	AGG-IC-001
14808-79-8	Sulfate	1.99E0	ug/g dry	1.48E0	8/06/08	8H05004	AGG-IC-001
l4265-44-2	Phosphate	<1.48E0	ug/g dry	1.48E0	8/06/08	8H05004	AGG-IC-001
HEIS No.	**B1VDW9**		**Lab ID:**	**0805001-05**			
16984-48-8	Fluoride	5.95E-1	ug/g dry	1.97E-1	8/06/08	8H05004	AGG-IC-001
16887-00-6	Chloride	<4.93E-1	ug/g dry	4.93E-1	8/06/08	8H05004	AGG-IC-001
14797-65-0	Nitrite	<9.86E-1	ug/g dry	9.86E-1	8/06/08	8H05004	AGG-IC-001
24959-67-9	Bromide	<9.86E-1	ug/g dry	9.86E-1	8/06/08	8H05004	AGG-IC-001
14797-55-8	Nitrate	<9.86E-1	ug/g dry	9.86E-1	8/06/08	8H05004	AGG-IC-001
14808-79-8	Sulfate	<1.48E0	ug/g dry	1.48E0	8/06/08	8H05004	AGG-IC-001
l4265-44-2	Phosphate	<1.48E0	ug/g dry	1.48E0	8/06/08	8H05004	AGG-IC-001
HEIS No.	**B1VDX0**		**Lab ID:**	**0805001-06**			
16984-48-8	Fluoride	9.93E-1	ug/g dry	2.16E-1	8/06/08	8H05004	AGG-IC-001
16887-00-6	Chloride	<5.39E-1	ug/g dry	5.39E-1	8/06/08	8H05004	AGG-IC-001
14797-65-0	Nitrite	<1.08E0	ug/g dry	1.08E0	8/06/08	8H05004	AGG-IC-001
24959-67-9	Bromide	<1.08E0	ug/g dry	1.08E0	8/06/08	8H05004	AGG-IC-001
14797-55-8	Nitrate	<1.08E0	ug/g dry	1.08E0	8/06/08	8H05004	AGG-IC-001
14808-79-8	Sulfate	1.66E0	ug/g dry	1.62E0	8/06/08	8H05004	AGG-IC-001
l4265-44-2	Phosphate	<1.62E0	ug/g dry	1.62E0	8/06/08	8H05004	AGG-IC-001

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CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V991**		**Lab ID:**	**0805003-01**			
16984-48-8	Fluoride	2.43E-1	ug/g dry	2.00E-1	8/06/08	8H05004	AGG-IC-001
16887-00-6	Chloride	<5.00E-1	ug/g dry	5.00E-1	8/06/08	8H05004	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	8/06/08	8H05004	AGG-IC-001
24959-67-9	Bromide	<1.00E0	ug/g dry	1.00E0	8/06/08	8H05004	AGG-IC-001
14797-55-8	Nitrate	2.40E0	ug/g dry	1.00E0	8/06/08	8H05004	AGG-IC-001
14808-79-8	Sulfate	<1.50E0	ug/g dry	1.50E0	8/06/08	8H05004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/06/08	8H05004	AGG-IC-001
HEIS No.	**B1V992**		**Lab ID:**	**0805003-02**			
16984-48-8	Fluoride	1.37E0	ug/g dry	1.99E-1	8/06/08	8H05004	AGG-IC-001
16887-00-6	Chloride	<4.99E-1	ug/g dry	4.99E-1	8/06/08	8H05004	AGG-IC-001
14797-65-0	Nitrite	<9.97E-1	ug/g dry	9.97E-1	8/06/08	8H05004	AGG-IC-001
24959-67-9	Bromide	<9.97E-1	ug/g dry	9.97E-1	8/06/08	8H05004	AGG-IC-001
14797-55-8	Nitrate	<9.97E-1	ug/g dry	9.97E-1	8/06/08	8H05004	AGG-IC-001
14808-79-8	Sulfate	1.68E0	ug/g dry	1.50E0	8/06/08	8H05004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/06/08	8H05004	AGG-IC-001
HEIS No.	**B1V993**		**Lab ID:**	**0805003-03**			
16984-48-8	Fluoride	4.00E-1	ug/g dry	1.98E-1	8/06/08	8H05004	AGG-IC-001
16887-00-6	Chloride	9.46E-1	ug/g dry	4.96E-1	8/06/08	8H05004	AGG-IC-001
14797-65-0	Nitrite	<9.92E-1	ug/g dry	9.92E-1	8/06/08	8H05004	AGG-IC-001
24959-67-9	Bromide	<9.92E-1	ug/g dry	9.92E-1	8/06/08	8H05004	AGG-IC-001
14797-55-8	Nitrate	1.98E0	ug/g dry	9.92E-1	8/06/08	8H05004	AGG-IC-001
14808-79-8	Sulfate	<1.49E0	ug/g dry	1.49E0	8/06/08	8H05004	AGG-IC-001
l4265-44-2	Phosphate	<1.49E0	ug/g dry	1.49E0	8/06/08	8H05004	AGG-IC-001
HEIS No.	**B1V994**		**Lab ID:**	**0805003-04**			
16984-48-8	Fluoride	1.05E0	ug/g dry	1.99E-1	8/06/08	8H05004	AGG-IC-001
16887-00-6	Chloride	5.80E-1	ug/g dry	4.98E-1	8/06/08	8H05004	AGG-IC-001
14797-65-0	Nitrite	<9.96E-1	ug/g dry	9.96E-1	8/06/08	8H05004	AGG-IC-001
24959-67-9	Bromide	<9.96E-1	ug/g dry	9.96E-1	8/06/08	8H05004	AGG-IC-001
14797-55-8	Nitrate	1.53E0	ug/g dry	9.96E-1	8/06/08	8H05004	AGG-IC-001
14808-79-8	Sulfate	2.72E0	ug/g dry	1.49E0	8/06/08	8H05004	AGG-IC-001
l4265-44-2	Phosphate	<1.49E0	ug/g dry	1.49E0	8/06/08	8H05004	AGG-IC-001
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**			
16984-48-8	Fluoride	1.01E0	ug/g dry	2.00E-1	8/06/08	8H05004	AGG-IC-001
16887-00-6	Chloride	<5.00E-1	ug/g dry	5.00E-1	8/06/08	8H05004	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	8/06/08	8H05004	AGG-IC-001
24959-67-9	Bromide	<1.00E0	ug/g dry	1.00E0	8/06/08	8H05004	AGG-IC-001
14797-55-8	Nitrate	1.44E0	ug/g dry	1.00E0	8/06/08	8H05004	AGG-IC-001
14808-79-8	Sulfate	2.02E0	ug/g dry	1.50E0	8/06/08	8H05004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/06/08	8H05004	AGG-IC-001
HEIS No.	**B1V996**		**Lab ID:**	**0805003-06**			
16984-48-8	Fluoride	1.14E0	ug/g dry	2.00E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	<5.00E-1	ug/g dry	5.00E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<1.00E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	4.60E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	2.68E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001

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CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V997**		**Lab ID:**	**0805003-07**			
16984-48-8	Fluoride	1.01E0	ug/g dry	2.00E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	<5.00E-1	ug/g dry	5.00E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<9.99E-1	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<9.99E-1	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	4.16E0	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	4.78E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V998**		**Lab ID:**	**0805003-08**			
16984-48-8	Fluoride	7.16E-1	ug/g dry	2.00E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	<5.00E-1	ug/g dry	5.00E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<1.00E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	3.59E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	8.36E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**			
16984-48-8	Fluoride	6.47E-1	ug/g dry	1.99E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	5.70E-1	ug/g dry	4.99E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<9.97E-1	ug/g dry	9.97E-1	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<9.97E-1	ug/g dry	9.97E-1	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	4.26E0	ug/g dry	9.97E-1	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	1.09E1	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V9B0**		**Lab ID:**	**0805003-10**			
16984-48-8	Fluoride	3.74E-1	ug/g dry	1.99E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	6.72E-1	ug/g dry	4.98E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<9.97E-1	ug/g dry	9.97E-1	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<9.97E-1	ug/g dry	9.97E-1	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	4.81E0	ug/g dry	9.97E-1	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	1.19E1	ug/g dry	1.49E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.49E0	ug/g dry	1.49E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**			
16984-48-8	Fluoride	4.30E-1	ug/g dry	2.00E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	6.51E-1	ug/g dry	4.99E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<9.98E-1	ug/g dry	9.98E-1	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<9.98E-1	ug/g dry	9.98E-1	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	5.54E0	ug/g dry	9.98E-1	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	1.08E1	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V9B2**		**Lab ID:**	**0805003-12**			
16984-48-8	Fluoride	4.67E-1	ug/g dry	2.00E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	1.01E0	ug/g dry	5.00E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<1.00E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	4.42E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	1.23E1	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001

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CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**			
16984-48-8	Fluoride	1.02E0	ug/g dry	2.00E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	1.48E0	ug/g dry	5.00E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<1.00E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	4.00E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	1.81E1	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V9B4**		**Lab ID:**	**0805003-14**			
16984-48-8	Fluoride	4.33E-1	ug/g dry	2.00E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	7.17E-1	ug/g dry	4.99E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<9.98E-1	ug/g dry	9.98E-1	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<9.98E-1	ug/g dry	9.98E-1	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	7.43E0	ug/g dry	9.98E-1	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	8.54E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V9B5**		**Lab ID:**	**0805003-15**			
16984-48-8	Fluoride	2.34E-1	ug/g dry	2.00E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	<5.00E-1	ug/g dry	5.00E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<9.99E-1	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<9.99E-1	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	2.46E0	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	7.27E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V9B6**		**Lab ID:**	**0805003-16**			
16984-48-8	Fluoride	2.40E-1	ug/g dry	1.99E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	<4.98E-1	ug/g dry	4.98E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<9.97E-1	ug/g dry	9.97E-1	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<9.97E-1	ug/g dry	9.97E-1	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	5.69E0	ug/g dry	9.97E-1	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	1.44E1	ug/g dry	1.49E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.49E0	ug/g dry	1.49E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**			
16984-48-8	Fluoride	<2.00E-1	ug/g dry	2.00E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	4.77E0	ug/g dry	5.00E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<9.99E-1	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<9.99E-1	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	7.43E0	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	1.89E1	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V9B8**		**Lab ID:**	**0805003-18**			
16984-48-8	Fluoride	2.12E-1	ug/g dry	2.01E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	6.68E0	ug/g dry	5.03E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<1.01E0	ug/g dry	1.01E0	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<1.01E0	ug/g dry	1.01E0	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	5.42E0	ug/g dry	1.01E0	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	1.45E1	ug/g dry	1.51E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	8/01/08	8H01004	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B9**		**Lab ID:**	**0805003-19**			
16984-48-8	Fluoride	2.63E-1	ug/g dry	1.99E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	7.23E0	ug/g dry	4.98E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<9.95E-1	ug/g dry	9.95E-1	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<9.95E-1	ug/g dry	9.95E-1	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	3.88E0	ug/g dry	9.95E-1	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	2.19E1	ug/g dry	1.49E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.49E0	ug/g dry	1.49E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V9C0**		**Lab ID:**	**0805003-20**			
16984-48-8	Fluoride	2.19E-1	ug/g dry	2.01E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	6.83E0	ug/g dry	5.01E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<1.00E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	3.52E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	2.76E1	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**			
16984-48-8	Fluoride	2.29E-1	ug/g dry	2.00E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	5.57E0	ug/g dry	4.99E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<9.99E-1	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<9.99E-1	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	3.87E0	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	3.41E1	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V9C2**		**Lab ID:**	**0805003-22**			
16984-48-8	Fluoride	2.53E-1	ug/g dry	2.00E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	4.08E0	ug/g dry	4.99E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<9.99E-1	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<9.99E-1	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	8.18E0	ug/g dry	9.99E-1	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	3.42E1	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**			
16984-48-8	Fluoride	2.33E-1	ug/g dry	1.99E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	2.36E0	ug/g dry	4.98E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<9.96E-1	ug/g dry	9.96E-1	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<9.96E-1	ug/g dry	9.96E-1	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	6.37E0	ug/g dry	9.96E-1	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	1.90E1	ug/g dry	1.49E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.49E0	ug/g dry	1.49E0	8/01/08	8H01004	AGG-IC-001
HEIS No.	**B1V9C4**		**Lab ID:**	**0805003-24**			
16984-48-8	Fluoride	2.78E-1	ug/g dry	2.00E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	1.50E0	ug/g dry	5.01E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<1.00E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	5.15E0	ug/g dry	1.00E0	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	1.74E1	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	8/01/08	8H01004	AGG-IC-001

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**			
16984-48-8	Fluoride	2.08E-1	ug/g dry	1.99E-1	8/01/08	8H01004	AGG-IC-001
16887-00-6	Chloride	<4.98E-1	ug/g dry	4.98E-1	8/01/08	8H01004	AGG-IC-001
14797-65-0	Nitrite	<9.96E-1	ug/g dry	9.96E-1	8/01/08	8H01004	AGG-IC-001
24959-67-9	Bromide	<9.96E-1	ug/g dry	9.96E-1	8/01/08	8H01004	AGG-IC-001
14797-55-8	Nitrate	3.26E0	ug/g dry	9.96E-1	8/01/08	8H01004	AGG-IC-001
14808-79-8	Sulfate	8.90E0	ug/g dry	1.49E0	8/01/08	8H01004	AGG-IC-001
l4265-44-2	Phosphate	<1.49E0	ug/g dry	1.49E0	8/01/08	8H01004	AGG-IC-001

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1VDW5**		**Lab ID:**	**0805001-01**			
7429-90-5	Aluminum	2.30E-1	ug/g dry	8.55E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.59E-1	ug/g dry	3.59E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.93E0	ug/g dry	1.93E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.83E-2	ug/g dry	2.83E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.87E-1	ug/g dry	1.87E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.67E0	ug/g dry	3.86E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.68E-2	ug/g dry	2.68E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.57E-2	ug/g dry	9.57E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.32E-2	ug/g dry	3.32E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.01E-2	ug/g dry	8.01E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-89-6	Iron	2.13E-1	ug/g dry	1.42E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.32E0	ug/g dry	2.32E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.38E-1	ug/g dry	5.38E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.26E0	ug/g dry	8.31E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.30E-2	ug/g dry	9.30E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.30E-1	ug/g dry	4.30E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.20E-2	ug/g dry	5.20E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.51E-2	ug/g dry	4.51E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.24E-2	ug/g dry	9.24E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.39E0	ug/g dry	6.67E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.06E0	ug/g dry	3.06E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	1.17E-2	ug/g dry	8.73E-3	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.49E-1	ug/g dry	1.49E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.68E-2	ug/g dry	7.68E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.51E-1	ug/g dry	1.51E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.31E-1	ug/g dry	6.31E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
HEIS No.	**B1VDW6**		**Lab ID:**	**0805001-02**			
7429-90-5	Aluminum	2.18E-1	ug/g dry	8.38E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.51E-1	ug/g dry	3.51E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.89E0	ug/g dry	1.89E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.77E-2	ug/g dry	2.77E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.84E-1	ug/g dry	1.84E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.03E0	ug/g dry	3.78E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.62E-2	ug/g dry	2.62E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.37E-2	ug/g dry	9.37E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.25E-2	ug/g dry	3.25E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<7.85E-2	ug/g dry	7.85E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.88E-1	ug/g dry	1.39E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.28E0	ug/g dry	2.27E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.27E-1	ug/g dry	5.27E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.27E0	ug/g dry	8.14E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.67E-2	ug/g dry	1.67E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.36E-1	ug/g dry	1.36E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1VDW6**		**Lab ID:**	**0805001-02**			
7440-02-0	Nickel	<9.11E-2	ug/g dry	9.11E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.01E0	ug/g dry	1.01E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.22E-1	ug/g dry	4.22E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.90E0	ug/g dry	1.90E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.10E-2	ug/g dry	5.10E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.00E0	ug/g dry	1.00E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.42E-2	ug/g dry	4.42E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.05E-2	ug/g dry	9.05E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.59E0	ug/g dry	6.53E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.00E0	ug/g dry	3.00E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	9.64E-3	ug/g dry	8.55E-3	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.46E-1	ug/g dry	1.46E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.53E-2	ug/g dry	7.53E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.48E-1	ug/g dry	1.48E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.18E-1	ug/g dry	6.18E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
HEIS No.	**B1VDW7**		**Lab ID:**	**0805001-03**			
7429-90-5	Aluminum	2.31E-1	ug/g dry	8.52E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.58E-1	ug/g dry	3.58E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.93E0	ug/g dry	1.93E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.82E-2	ug/g dry	2.82E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.87E-1	ug/g dry	1.87E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.77E0	ug/g dry	3.84E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.67E-2	ug/g dry	2.67E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.54E-2	ug/g dry	9.54E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.31E-2	ug/g dry	3.31E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<7.99E-2	ug/g dry	7.99E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-89-6	Iron	2.17E-1	ug/g dry	1.41E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.85E0	ug/g dry	2.31E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.36E-1	ug/g dry	5.36E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.68E0	ug/g dry	8.29E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.70E-2	ug/g dry	1.70E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.38E-1	ug/g dry	1.38E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.27E-2	ug/g dry	9.27E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.29E-1	ug/g dry	4.29E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.19E-2	ug/g dry	5.19E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.50E-2	ug/g dry	4.50E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.21E-2	ug/g dry	9.21E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.30E0	ug/g dry	6.65E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.05E0	ug/g dry	3.05E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	1.08E-2	ug/g dry	8.70E-3	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.49E-1	ug/g dry	1.49E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.66E-2	ug/g dry	7.66E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.51E-1	ug/g dry	1.51E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.29E-1	ug/g dry	6.29E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1VDW8**		**Lab ID:**	**0805001-04**			
7429-90-5	Aluminum	2.49E-1	ug/g dry	8.45E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.54E-1	ug/g dry	3.54E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.91E0	ug/g dry	1.91E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.80E-2	ug/g dry	2.80E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.85E-1	ug/g dry	1.85E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.86E0	ug/g dry	3.81E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.65E-2	ug/g dry	2.65E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.45E-2	ug/g dry	9.45E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.28E-2	ug/g dry	3.28E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<7.92E-2	ug/g dry	7.92E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-89-6	Iron	2.53E-1	ug/g dry	1.40E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.16E0	ug/g dry	2.29E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.32E-1	ug/g dry	5.32E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.50E0	ug/g dry	8.21E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.69E-2	ug/g dry	1.69E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.37E-1	ug/g dry	1.37E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.19E-2	ug/g dry	9.19E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.25E-1	ug/g dry	4.25E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.92E0	ug/g dry	1.92E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.14E-2	ug/g dry	5.14E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.01E0	ug/g dry	1.01E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.46E-2	ug/g dry	4.46E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.13E-2	ug/g dry	9.13E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	4.62E0	ug/g dry	6.59E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.03E0	ug/g dry	3.03E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	1.18E-2	ug/g dry	8.62E-3	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.48E-1	ug/g dry	1.48E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.59E-2	ug/g dry	7.59E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.49E-1	ug/g dry	1.49E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.23E-1	ug/g dry	6.23E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
HEIS No.	**B1VDW9**		**Lab ID:**	**0805001-05**			
7429-90-5	Aluminum	4.42E-1	ug/g dry	8.46E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.55E-1	ug/g dry	3.55E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.91E0	ug/g dry	1.91E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.80E-2	ug/g dry	2.80E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.86E-1	ug/g dry	1.86E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.19E0	ug/g dry	3.82E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.65E-2	ug/g dry	2.65E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.47E-2	ug/g dry	9.47E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.29E-2	ug/g dry	3.29E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<7.93E-2	ug/g dry	7.93E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-89-6	Iron	4.86E-1	ug/g dry	1.40E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.94E0	ug/g dry	2.30E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.33E-1	ug/g dry	5.33E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.15E0	ug/g dry	8.23E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.69E-2	ug/g dry	1.69E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.37E-1	ug/g dry	1.37E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1VDW9**		**Lab ID:**	**0805001-05**			
7440-02-0	Nickel	<9.20E-2	ug/g dry	9.20E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.26E-1	ug/g dry	4.26E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.92E0	ug/g dry	1.92E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.15E-2	ug/g dry	5.15E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.01E0	ug/g dry	1.01E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.47E-2	ug/g dry	4.47E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.14E-2	ug/g dry	9.14E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	6.60E0	ug/g dry	6.60E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.03E0	ug/g dry	3.03E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	2.32E-2	ug/g dry	8.64E-3	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.48E-1	ug/g dry	1.48E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.61E-2	ug/g dry	7.61E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.24E-1	ug/g dry	6.24E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
HEIS No.	**B1VDX0**		**Lab ID:**	**0805001-06**			
7429-90-5	Aluminum	2.44E-1	ug/g dry	9.25E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.88E-1	ug/g dry	3.88E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<2.09E0	ug/g dry	2.09E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<3.06E-2	ug/g dry	3.06E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<2.03E-1	ug/g dry	2.03E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.06E1	ug/g dry	4.17E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.90E-2	ug/g dry	2.90E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<1.04E-1	ug/g dry	1.04E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.59E-2	ug/g dry	3.59E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.67E-2	ug/g dry	8.67E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-89-6	Iron	2.34E-1	ug/g dry	1.53E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.50E0	ug/g dry	2.51E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.82E-1	ug/g dry	5.82E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.85E0	ug/g dry	8.99E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.85E-2	ug/g dry	1.85E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<1.01E-1	ug/g dry	1.01E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.11E0	ug/g dry	1.11E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.66E-1	ug/g dry	4.66E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<2.10E0	ug/g dry	2.10E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.63E-2	ug/g dry	5.63E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.11E0	ug/g dry	1.11E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.88E-2	ug/g dry	4.88E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<1.00E-1	ug/g dry	1.00E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	6.22E0	ug/g dry	7.21E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.32E0	ug/g dry	3.32E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	1.11E-2	ug/g dry	9.45E-3	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.62E-1	ug/g dry	1.62E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<8.31E-2	ug/g dry	8.31E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.64E-1	ug/g dry	1.64E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.83E-1	ug/g dry	6.83E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V991**		**Lab ID:**	**0805003-01**			
7429-90-5	Aluminum	2.80E-1	ug/g dry	8.58E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.60E-1	ug/g dry	3.60E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.84E-2	ug/g dry	2.84E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.76E0	ug/g dry	3.87E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.69E-2	ug/g dry	2.69E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-89-6	Iron	2.72E-1	ug/g dry	1.42E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	<2.33E0	ug/g dry	2.33E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.40E-1	ug/g dry	5.40E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.18E0	ug/g dry	8.34E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.32E-1	ug/g dry	4.32E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.22E-2	ug/g dry	5.22E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.33E0	ug/g dry	6.69E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	8.56E0	ug/g dry	1.50E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.08E0	ug/g dry	3.08E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	1.32E-2	ug/g dry	8.76E-3	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.71E-2	ug/g dry	7.71E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.33E-1	ug/g dry	6.33E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
HEIS No.	**B1V992**		**Lab ID:**	**0805003-02**			
7429-90-5	Aluminum	3.23E-1	ug/g dry	8.55E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.59E-1	ug/g dry	3.59E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.83E-2	ug/g dry	2.83E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.48E0	ug/g dry	3.86E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.68E-2	ug/g dry	2.68E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.57E-2	ug/g dry	9.57E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.32E-2	ug/g dry	3.32E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.02E-2	ug/g dry	8.02E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-89-6	Iron	3.41E-1	ug/g dry	1.42E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.01E0	ug/g dry	2.32E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.38E-1	ug/g dry	5.38E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.29E0	ug/g dry	8.32E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V992**		**Lab ID:**	**0805003-02**			
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.30E-2	ug/g dry	9.30E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.31E-1	ug/g dry	4.31E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.20E-2	ug/g dry	5.20E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.52E-2	ug/g dry	4.52E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.24E-2	ug/g dry	9.24E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	6.38E0	ug/g dry	6.67E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	1.17E1	ug/g dry	1.50E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.07E0	ug/g dry	3.07E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	1.54E-2	ug/g dry	8.73E-3	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.69E-2	ug/g dry	7.69E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.51E-1	ug/g dry	1.51E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.31E-1	ug/g dry	6.31E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
HEIS No.	**B1V993**		**Lab ID:**	**0805003-03**			
7429-90-5	Aluminum	2.62E-1	ug/g dry	8.51E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.57E-1	ug/g dry	3.57E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.93E0	ug/g dry	1.93E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.82E-2	ug/g dry	2.82E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.87E-1	ug/g dry	1.87E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.06E0	ug/g dry	3.84E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.67E-2	ug/g dry	2.67E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.52E-2	ug/g dry	9.52E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.30E-2	ug/g dry	3.30E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<7.98E-2	ug/g dry	7.98E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-89-6	Iron	2.63E-1	ug/g dry	1.41E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.64E0	ug/g dry	2.31E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.36E-1	ug/g dry	5.36E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.45E0	ug/g dry	8.27E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.70E-2	ug/g dry	1.70E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.38E-1	ug/g dry	1.38E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.26E-2	ug/g dry	9.26E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.29E-1	ug/g dry	4.29E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.93E0	ug/g dry	1.93E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.18E-2	ug/g dry	5.18E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.49E-2	ug/g dry	4.49E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.20E-2	ug/g dry	9.20E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.12E0	ug/g dry	6.64E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	1.04E1	ug/g dry	1.49E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.05E0	ug/g dry	3.05E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	1.22E-2	ug/g dry	8.69E-3	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.49E-1	ug/g dry	1.49E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.65E-2	ug/g dry	7.65E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V993**		**Lab ID:**	**0805003-03**			
7440-15-5	Rhenium	<1.51E-1	ug/g dry	1.51E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.28E-1	ug/g dry	6.28E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
HEIS No.	**B1V994**		**Lab ID:**	**0805003-04**			
7429-90-5	Aluminum	1.71E-1	ug/g dry	8.55E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.59E-1	ug/g dry	3.59E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.93E0	ug/g dry	1.93E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.83E-2	ug/g dry	2.83E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.87E-1	ug/g dry	1.87E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.84E0	ug/g dry	3.85E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.68E-2	ug/g dry	2.68E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.56E-2	ug/g dry	9.56E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.32E-2	ug/g dry	3.32E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.01E-2	ug/g dry	8.01E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.52E-1	ug/g dry	1.42E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.55E0	ug/g dry	2.32E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.38E-1	ug/g dry	5.38E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.85E0	ug/g dry	8.31E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.29E-2	ug/g dry	9.29E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.30E-1	ug/g dry	4.30E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.20E-2	ug/g dry	5.20E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.51E-2	ug/g dry	4.51E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	3.32E-1	ug/g dry	9.23E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	6.36E0	ug/g dry	6.66E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	1.16E1	ug/g dry	1.49E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.06E0	ug/g dry	3.06E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.73E-3	ug/g dry	8.73E-3	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.49E-1	ug/g dry	1.49E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.68E-2	ug/g dry	7.68E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.51E-1	ug/g dry	1.51E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.31E-1	ug/g dry	6.31E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**			
7429-90-5	Aluminum	2.47E-1	ug/g dry	8.58E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.60E-1	ug/g dry	3.60E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.84E-2	ug/g dry	2.84E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.99E0	ug/g dry	3.87E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.69E-2	ug/g dry	2.69E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-89-6	Iron	2.50E-1	ug/g dry	1.42E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.44E0	ug/g dry	2.33E0	9/16/08	8I15002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**			
7439-93-2	Lithium	<5.40E-1	ug/g dry	5.40E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.58E0	ug/g dry	8.34E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.32E-1	ug/g dry	4.32E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.22E-2	ug/g dry	5.22E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	8.03E0	ug/g dry	6.69E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	1.17E1	ug/g dry	1.50E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.07E0	ug/g dry	3.07E0	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	1.09E-2	ug/g dry	8.76E-3	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.71E-2	ug/g dry	7.71E-2	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.33E-1	ug/g dry	6.33E-1	9/16/08	8I15002	PNNL-AGG-ICP-AES
HEIS No.	**B1V996**		**Lab ID:**	**0805003-06**			
7429-90-5	Aluminum	4.07E-1	ug/g dry	8.58E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.60E-1	ug/g dry	3.60E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.84E-2	ug/g dry	2.84E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.13E0	ug/g dry	3.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.69E-2	ug/g dry	2.69E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	4.35E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.97E0	ug/g dry	2.33E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.40E-1	ug/g dry	5.40E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.06E0	ug/g dry	8.34E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.32E-1	ug/g dry	4.32E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.22E-2	ug/g dry	5.22E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	5.96E-2	ug/g dry	4.53E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.40E1	ug/g dry	6.69E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.08E0	ug/g dry	3.08E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	2.04E-2	ug/g dry	8.76E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V996**		**Lab ID:**	**0805003-06**			
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.71E-2	ug/g dry	7.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.33E-1	ug/g dry	6.33E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V997**		**Lab ID:**	**0805003-07**			
7429-90-5	Aluminum	4.62E-1	ug/g dry	8.57E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.60E-1	ug/g dry	3.60E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.84E-2	ug/g dry	2.84E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.68E0	ug/g dry	3.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.69E-2	ug/g dry	2.69E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.59E-2	ug/g dry	9.59E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.03E-2	ug/g dry	8.03E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	5.35E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.82E0	ug/g dry	2.33E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.40E-1	ug/g dry	5.40E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.01E0	ug/g dry	8.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.32E-2	ug/g dry	9.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.32E-1	ug/g dry	4.32E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.22E-2	ug/g dry	5.22E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	5.02E-2	ug/g dry	4.53E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.26E-2	ug/g dry	9.26E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.29E1	ug/g dry	6.68E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.07E0	ug/g dry	3.07E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	2.20E-2	ug/g dry	8.75E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.70E-2	ug/g dry	7.70E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.32E-1	ug/g dry	6.32E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V998**		**Lab ID:**	**0805003-08**			
7429-90-5	Aluminum	5.70E-1	ug/g dry	8.59E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.60E-1	ug/g dry	3.60E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.84E-2	ug/g dry	2.84E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.40E0	ug/g dry	3.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.69E-2	ug/g dry	2.69E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.61E-2	ug/g dry	9.61E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.05E-2	ug/g dry	8.05E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	6.84E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V998**		**Lab ID:**	**0805003-08**			
7440-09-7	Potassium	2.82E0	ug/g dry	2.33E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.40E-1	ug/g dry	5.40E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	8.47E-1	ug/g dry	8.35E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.34E-2	ug/g dry	9.34E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.32E-1	ug/g dry	4.32E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.22E-2	ug/g dry	5.22E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	5.17E-2	ug/g dry	4.53E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	1.69E-1	ug/g dry	9.28E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.18E1	ug/g dry	6.70E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	3.23E0	ug/g dry	3.08E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	2.94E-2	ug/g dry	8.77E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.72E-2	ug/g dry	7.72E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.34E-1	ug/g dry	6.34E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**			
7429-90-5	Aluminum	3.68E-1	ug/g dry	8.56E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.59E-1	ug/g dry	3.59E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.83E-2	ug/g dry	2.83E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	4.13E0	ug/g dry	3.86E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.68E-2	ug/g dry	2.68E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.57E-2	ug/g dry	9.57E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.32E-2	ug/g dry	3.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.02E-2	ug/g dry	8.02E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	4.46E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.90E0	ug/g dry	2.32E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.38E-1	ug/g dry	5.38E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	8.08E-1	ug/g dry	8.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.30E-2	ug/g dry	9.30E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.31E-1	ug/g dry	4.31E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.20E-2	ug/g dry	5.20E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.52E-2	ug/g dry	4.52E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.24E-2	ug/g dry	9.24E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.02E1	ug/g dry	6.67E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	4.32E0	ug/g dry	3.07E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	1.92E-2	ug/g dry	8.73E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**			
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.69E-2	ug/g dry	7.69E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.51E-1	ug/g dry	1.51E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.31E-1	ug/g dry	6.31E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B0**		**Lab ID:**	**0805003-10**			
7429-90-5	Aluminum	2.95E-1	ug/g dry	8.55E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.59E-1	ug/g dry	3.59E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.93E0	ug/g dry	1.93E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.83E-2	ug/g dry	2.83E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.87E-1	ug/g dry	1.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.08E0	ug/g dry	3.86E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.68E-2	ug/g dry	2.68E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.57E-2	ug/g dry	9.57E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.32E-2	ug/g dry	3.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.01E-2	ug/g dry	8.01E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	3.60E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.91E0	ug/g dry	2.32E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.38E-1	ug/g dry	5.38E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.06E0	ug/g dry	8.31E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.30E-2	ug/g dry	9.30E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.31E-1	ug/g dry	4.31E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.20E-2	ug/g dry	5.20E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.51E-2	ug/g dry	4.51E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.24E-2	ug/g dry	9.24E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.74E1	ug/g dry	6.67E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	4.60E0	ug/g dry	3.06E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	1.45E-2	ug/g dry	8.73E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.49E-1	ug/g dry	1.49E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.68E-2	ug/g dry	7.68E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.51E-1	ug/g dry	1.51E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.31E-1	ug/g dry	6.31E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**			
7429-90-5	Aluminum	2.05E-1	ug/g dry	8.56E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.59E-1	ug/g dry	3.59E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.83E-2	ug/g dry	2.83E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.94E0	ug/g dry	3.86E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.68E-2	ug/g dry	2.68E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.58E-2	ug/g dry	9.58E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.32E-2	ug/g dry	3.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.02E-2	ug/g dry	8.02E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.81E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**			
7440-09-7	Potassium	2.92E0	ug/g dry	2.32E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.39E-1	ug/g dry	5.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.26E0	ug/g dry	8.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.31E-2	ug/g dry	9.31E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.31E-1	ug/g dry	4.31E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.21E-2	ug/g dry	5.21E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.52E-2	ug/g dry	4.52E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.25E-2	ug/g dry	9.25E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.57E1	ug/g dry	6.67E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	4.00E0	ug/g dry	3.07E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.74E-3	ug/g dry	8.74E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.69E-2	ug/g dry	7.69E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.51E-1	ug/g dry	1.51E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.31E-1	ug/g dry	6.31E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B2**		**Lab ID:**	**0805003-12**			
7429-90-5	Aluminum	2.70E-1	ug/g dry	8.58E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.60E-1	ug/g dry	3.60E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.84E-2	ug/g dry	2.84E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.86E0	ug/g dry	3.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.69E-2	ug/g dry	2.69E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	2.58E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.45E0	ug/g dry	2.33E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.40E-1	ug/g dry	5.40E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.56E0	ug/g dry	8.34E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.32E-1	ug/g dry	4.32E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.22E-2	ug/g dry	5.22E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.40E1	ug/g dry	6.69E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	4.75E0	ug/g dry	3.08E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	1.11E-2	ug/g dry	8.76E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B2**		**Lab ID:**	**0805003-12**			
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.71E-2	ug/g dry	7.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.33E-1	ug/g dry	6.33E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**			
7429-90-5	Aluminum	3.26E-1	ug/g dry	8.58E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.60E-1	ug/g dry	3.60E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.84E-2	ug/g dry	2.84E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.44E0	ug/g dry	3.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.69E-2	ug/g dry	2.69E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.61E-2	ug/g dry	9.61E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	3.25E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.81E0	ug/g dry	2.33E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.40E-1	ug/g dry	5.40E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.61E0	ug/g dry	8.34E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.34E-2	ug/g dry	9.34E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.32E-1	ug/g dry	4.32E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.22E-2	ug/g dry	5.22E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.28E-2	ug/g dry	9.28E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.30E1	ug/g dry	6.69E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	6.86E0	ug/g dry	3.08E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	1.27E-2	ug/g dry	8.76E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.71E-2	ug/g dry	7.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.33E-1	ug/g dry	6.33E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B4**		**Lab ID:**	**0805003-14**			
7429-90-5	Aluminum	2.25E-1	ug/g dry	8.56E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.59E-1	ug/g dry	3.59E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.84E-2	ug/g dry	2.84E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.64E0	ug/g dry	3.86E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.68E-2	ug/g dry	2.68E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.58E-2	ug/g dry	9.58E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.32E-2	ug/g dry	3.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.03E-2	ug/g dry	8.03E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B4**		**Lab ID:**	**0805003-14**			
7440-09-7	Potassium	3.79E0	ug/g dry	2.32E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.39E-1	ug/g dry	5.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.87E0	ug/g dry	8.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.31E-2	ug/g dry	9.31E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.31E-1	ug/g dry	4.31E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.21E-2	ug/g dry	5.21E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.52E-2	ug/g dry	4.52E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.25E-2	ug/g dry	9.25E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.08E1	ug/g dry	6.68E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	3.13E0	ug/g dry	3.07E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.74E-3	ug/g dry	8.74E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.70E-2	ug/g dry	7.70E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.32E-1	ug/g dry	6.32E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B5**		**Lab ID:**	**0805003-15**			
7429-90-5	Aluminum	2.07E-1	ug/g dry	8.57E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.60E-1	ug/g dry	3.60E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.84E-2	ug/g dry	2.84E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.26E0	ug/g dry	3.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.69E-2	ug/g dry	2.69E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.59E-2	ug/g dry	9.59E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.03E-2	ug/g dry	8.03E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.42E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	2.88E0	ug/g dry	2.33E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.40E-1	ug/g dry	5.40E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.96E0	ug/g dry	8.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.32E-2	ug/g dry	9.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.32E-1	ug/g dry	4.32E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.22E-2	ug/g dry	5.22E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.26E-2	ug/g dry	9.26E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	5.94E0	ug/g dry	6.69E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<3.07E0	ug/g dry	3.07E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.75E-3	ug/g dry	8.75E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B5**		**Lab ID:**	**0805003-15**			
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.70E-2	ug/g dry	7.70E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.33E-1	ug/g dry	6.33E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B6**		**Lab ID:**	**0805003-16**			
7429-90-5	Aluminum	1.93E-1	ug/g dry	8.55E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.59E-1	ug/g dry	3.59E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.93E0	ug/g dry	1.93E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.83E-2	ug/g dry	2.83E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.87E-1	ug/g dry	1.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.42E0	ug/g dry	3.86E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.68E-2	ug/g dry	2.68E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.57E-2	ug/g dry	9.57E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.32E-2	ug/g dry	3.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.01E-2	ug/g dry	8.01E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.01E0	ug/g dry	2.32E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.38E-1	ug/g dry	5.38E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.54E0	ug/g dry	8.31E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.30E-2	ug/g dry	9.30E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.31E-1	ug/g dry	4.31E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.20E-2	ug/g dry	5.20E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.51E-2	ug/g dry	4.51E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.24E-2	ug/g dry	9.24E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	7.99E0	ug/g dry	6.67E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	5.33E0	ug/g dry	3.06E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.73E-3	ug/g dry	8.73E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.49E-1	ug/g dry	1.49E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.68E-2	ug/g dry	7.68E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.51E-1	ug/g dry	1.51E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.31E-1	ug/g dry	6.31E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**			
7429-90-5	Aluminum	1.91E-1	ug/g dry	8.58E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.60E-1	ug/g dry	3.60E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.84E-2	ug/g dry	2.84E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.84E0	ug/g dry	3.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.69E-2	ug/g dry	2.69E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.59E-2	ug/g dry	9.59E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**			
7440-09-7	Potassium	4.07E0	ug/g dry	2.33E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.40E-1	ug/g dry	5.40E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.18E0	ug/g dry	8.34E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.32E-2	ug/g dry	9.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.32E-1	ug/g dry	4.32E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.22E-2	ug/g dry	5.22E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.26E-2	ug/g dry	9.26E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	9.29E0	ug/g dry	6.69E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	6.52E0	ug/g dry	3.07E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.76E-3	ug/g dry	8.76E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.71E-2	ug/g dry	7.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.33E-1	ug/g dry	6.33E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B8**		**Lab ID:**	**0805003-18**			
7429-90-5	Aluminum	1.89E-1	ug/g dry	8.63E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.62E-1	ug/g dry	3.62E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.86E-2	ug/g dry	2.86E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.89E-1	ug/g dry	1.89E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.14E0	ug/g dry	3.89E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.70E-2	ug/g dry	2.70E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.65E-2	ug/g dry	9.65E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.35E-2	ug/g dry	3.35E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.08E-2	ug/g dry	8.08E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.43E-1	ug/g dry	1.43E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.24E0	ug/g dry	2.34E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.43E-1	ug/g dry	5.43E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.90E0	ug/g dry	8.39E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.40E-1	ug/g dry	1.40E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.38E-2	ug/g dry	9.38E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.04E0	ug/g dry	1.04E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.34E-1	ug/g dry	4.34E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.96E0	ug/g dry	1.96E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.25E-2	ug/g dry	5.25E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.56E-2	ug/g dry	4.56E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.32E-2	ug/g dry	9.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	9.63E0	ug/g dry	6.73E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	5.16E0	ug/g dry	3.09E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.81E-3	ug/g dry	8.81E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B8**		**Lab ID:**	**0805003-18**			
7440-67-7	Zirconium	<1.51E-1	ug/g dry	1.51E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.75E-2	ug/g dry	7.75E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.53E-1	ug/g dry	1.53E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.37E-1	ug/g dry	6.37E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B9**		**Lab ID:**	**0805003-19**			
7429-90-5	Aluminum	2.29E-1	ug/g dry	8.54E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.58E-1	ug/g dry	3.58E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.93E0	ug/g dry	1.93E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.83E-2	ug/g dry	2.83E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.87E-1	ug/g dry	1.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.22E0	ug/g dry	3.85E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.67E-2	ug/g dry	2.67E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.55E-2	ug/g dry	9.55E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.31E-2	ug/g dry	3.31E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.00E-2	ug/g dry	8.00E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.07E0	ug/g dry	2.32E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.37E-1	ug/g dry	5.37E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.35E0	ug/g dry	8.30E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.70E-2	ug/g dry	1.70E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.28E-2	ug/g dry	9.28E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.30E-1	ug/g dry	4.30E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.19E-2	ug/g dry	5.19E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.51E-2	ug/g dry	4.51E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.22E-2	ug/g dry	9.22E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.14E1	ug/g dry	6.66E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	7.62E0	ug/g dry	3.06E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.72E-3	ug/g dry	8.72E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.49E-1	ug/g dry	1.49E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.67E-2	ug/g dry	7.67E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.51E-1	ug/g dry	1.51E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.30E-1	ug/g dry	6.30E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9C0**		**Lab ID:**	**0805003-20**			
7429-90-5	Aluminum	2.37E-1	ug/g dry	8.60E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.61E-1	ug/g dry	3.61E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.85E-2	ug/g dry	2.85E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.89E-1	ug/g dry	1.89E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.06E0	ug/g dry	3.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.70E-2	ug/g dry	2.70E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.63E-2	ug/g dry	9.63E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.34E-2	ug/g dry	3.34E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.06E-2	ug/g dry	8.06E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.43E-1	ug/g dry	1.43E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9C0**		**Lab ID:**	**0805003-20**			
7440-09-7	Potassium	4.83E0	ug/g dry	2.33E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.42E-1	ug/g dry	5.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.61E0	ug/g dry	8.36E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.40E-1	ug/g dry	1.40E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.36E-2	ug/g dry	9.36E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.33E-1	ug/g dry	4.33E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.96E0	ug/g dry	1.96E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.23E-2	ug/g dry	5.23E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.54E-2	ug/g dry	4.54E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.30E-2	ug/g dry	9.30E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.15E1	ug/g dry	6.71E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	9.61E0	ug/g dry	3.08E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.78E-3	ug/g dry	8.78E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.73E-2	ug/g dry	7.73E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.35E-1	ug/g dry	6.35E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**			
7429-90-5	Aluminum	2.43E-1	ug/g dry	8.57E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.60E-1	ug/g dry	3.60E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.84E-2	ug/g dry	2.84E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.01E1	ug/g dry	3.86E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.68E-2	ug/g dry	2.68E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.59E-2	ug/g dry	9.59E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.03E-2	ug/g dry	8.03E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.05E0	ug/g dry	2.32E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.39E-1	ug/g dry	5.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.95E0	ug/g dry	8.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.32E-2	ug/g dry	9.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.31E-1	ug/g dry	4.31E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.21E-2	ug/g dry	5.21E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.52E-2	ug/g dry	4.52E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.26E-2	ug/g dry	9.26E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.14E1	ug/g dry	6.68E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	1.20E1	ug/g dry	3.07E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.75E-3	ug/g dry	8.75E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**			
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.70E-2	ug/g dry	7.70E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.32E-1	ug/g dry	6.32E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9C2**		**Lab ID:**	**0805003-22**			
7429-90-5	Aluminum	2.48E-1	ug/g dry	8.57E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.60E-1	ug/g dry	3.60E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.84E-2	ug/g dry	2.84E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.13E1	ug/g dry	3.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.68E-2	ug/g dry	2.68E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.59E-2	ug/g dry	9.59E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.03E-2	ug/g dry	8.03E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.88E0	ug/g dry	2.33E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.39E-1	ug/g dry	5.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.04E0	ug/g dry	8.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.32E-2	ug/g dry	9.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.31E-1	ug/g dry	4.31E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	5.28E-2	ug/g dry	5.21E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.52E-2	ug/g dry	4.52E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.26E-2	ug/g dry	9.26E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.16E1	ug/g dry	6.68E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	1.19E1	ug/g dry	3.07E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.75E-3	ug/g dry	8.75E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.70E-2	ug/g dry	7.70E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.32E-1	ug/g dry	6.32E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**			
7429-90-5	Aluminum	1.64E-1	ug/g dry	8.55E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.59E-1	ug/g dry	3.59E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.93E0	ug/g dry	1.93E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.83E-2	ug/g dry	2.83E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.87E-1	ug/g dry	1.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.84E0	ug/g dry	3.86E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.68E-2	ug/g dry	2.68E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.56E-2	ug/g dry	9.56E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.32E-2	ug/g dry	3.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.01E-2	ug/g dry	8.01E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**			
7440-09-7	Potassium	4.01E0	ug/g dry	2.32E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.38E-1	ug/g dry	5.38E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.59E0	ug/g dry	8.31E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.29E-2	ug/g dry	9.29E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.30E-1	ug/g dry	4.30E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.20E-2	ug/g dry	5.20E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.51E-2	ug/g dry	4.51E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.23E-2	ug/g dry	9.23E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.04E1	ug/g dry	6.66E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	6.48E0	ug/g dry	3.06E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.73E-3	ug/g dry	8.73E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.49E-1	ug/g dry	1.49E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.68E-2	ug/g dry	7.68E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.51E-1	ug/g dry	1.51E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.31E-1	ug/g dry	6.31E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V9C4**		**Lab ID:**	**0805003-24**			
7429-90-5	Aluminum	1.81E-1	ug/g dry	8.59E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.60E-1	ug/g dry	3.60E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.84E-2	ug/g dry	2.84E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.88E-1	ug/g dry	1.88E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.28E0	ug/g dry	3.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.69E-2	ug/g dry	2.69E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.61E-2	ug/g dry	9.61E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.05E-2	ug/g dry	8.05E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.45E0	ug/g dry	2.33E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.41E-1	ug/g dry	5.41E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.70E0	ug/g dry	8.35E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.34E-2	ug/g dry	9.34E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.32E-1	ug/g dry	4.32E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.23E-2	ug/g dry	5.23E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.28E-2	ug/g dry	9.28E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.10E1	ug/g dry	6.70E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	6.26E0	ug/g dry	3.08E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.77E-3	ug/g dry	8.77E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9C4**		**Lab ID:**	**0805003-24**			
7440-67-7	Zirconium	<1.50E-1	ug/g dry	1.50E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.72E-2	ug/g dry	7.72E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.52E-1	ug/g dry	1.52E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.34E-1	ug/g dry	6.34E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**			
7429-90-5	Aluminum	1.76E-1	ug/g dry	8.55E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.59E-1	ug/g dry	3.59E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.93E0	ug/g dry	1.93E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<2.83E-2	ug/g dry	2.83E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.87E-1	ug/g dry	1.87E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.90E0	ug/g dry	3.86E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.68E-2	ug/g dry	2.68E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.57E-2	ug/g dry	9.57E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.32E-2	ug/g dry	3.32E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.01E-2	ug/g dry	8.01E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.36E0	ug/g dry	2.32E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<5.38E-1	ug/g dry	5.38E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.89E0	ug/g dry	8.31E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.39E-1	ug/g dry	1.39E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.30E-2	ug/g dry	9.30E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	<1.03E0	ug/g dry	1.03E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7439-92-1	Lead	<4.30E-1	ug/g dry	4.30E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.94E0	ug/g dry	1.94E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-24-6	Strontium	<5.20E-2	ug/g dry	5.20E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<1.02E0	ug/g dry	1.02E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.51E-2	ug/g dry	4.51E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.24E-2	ug/g dry	9.24E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-23-5	Sodium	7.41E0	ug/g dry	6.67E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	3.16E0	ug/g dry	3.06E0	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-32-6	Titanium	<8.73E-3	ug/g dry	8.73E-3	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	<1.49E-1	ug/g dry	1.49E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-22-4	Silver	<7.68E-2	ug/g dry	7.68E-2	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<1.51E-1	ug/g dry	1.51E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<6.31E-1	ug/g dry	6.31E-1	9/16/08	8I15003	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V993**		**Lab ID:**	**0805003-03**			
7429-90-5	Aluminum	4.54E3	ug/g dry	2.21E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.31E1	ug/g dry	3.31E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<9.47E1	ug/g dry	9.47E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.80E1	ug/g dry	1.35E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<7.55E-1	ug/g dry	7.55E-1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<9.31E0	ug/g dry	9.31E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.00E3	ug/g dry	2.29E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<1.20E0	ug/g dry	1.20E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	6.73E0	ug/g dry	4.72E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	5.40E0	ug/g dry	1.93E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	7.18E0	ug/g dry	6.32E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.36E4	ug/g dry	5.94E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.03E2	ug/g dry	8.45E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<2.05E1	ug/g dry	2.05E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.25E3	ug/g dry	6.29E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.28E2	ug/g dry	1.97E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<7.50E0	ug/g dry	7.50E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	6.90E0	ug/g dry	4.58E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	4.51E2	ug/g dry	2.92E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<9.88E0	ug/g dry	9.88E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<5.60E1	ug/g dry	5.60E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	1.95E1	ug/g dry	1.44E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<3.17E1	ug/g dry	3.17E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	2.67E1	ug/g dry	3.95E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.98E1	ug/g dry	3.60E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.16E2	ug/g dry	6.22E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	<1.60E2	ug/g dry	1.60E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<1.05E2	ug/g dry	1.05E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	5.01E2	ug/g dry	5.06E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	2.88E0	ug/g dry	2.65E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<2.99E0	ug/g dry	2.99E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<9.19E0	ug/g dry	9.19E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<2.19E1	ug/g dry	2.19E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**			
7429-90-5	Aluminum	5.45E3	ug/g dry	2.33E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.49E1	ug/g dry	3.49E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<9.97E1	ug/g dry	9.97E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.24E1	ug/g dry	1.42E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<7.95E-1	ug/g dry	7.95E-1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<9.80E0	ug/g dry	9.80E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.24E3	ug/g dry	2.41E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<1.27E0	ug/g dry	1.27E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	6.41E0	ug/g dry	4.97E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	6.34E0	ug/g dry	2.03E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	7.77E0	ug/g dry	6.65E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.39E4	ug/g dry	6.25E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.94E2	ug/g dry	8.90E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<2.16E1	ug/g dry	2.16E1	3/16/09	8L12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**			
7439-95-4	Magnesium	3.53E3	ug/g dry	6.62E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.39E2	ug/g dry	2.08E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<7.89E0	ug/g dry	7.89E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	7.56E0	ug/g dry	4.82E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	5.21E2	ug/g dry	3.07E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<1.04E1	ug/g dry	1.04E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<5.90E1	ug/g dry	5.90E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	2.52E1	ug/g dry	1.52E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<3.34E1	ug/g dry	3.34E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	2.44E1	ug/g dry	4.16E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.92E1	ug/g dry	3.79E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.43E2	ug/g dry	6.55E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	<1.68E2	ug/g dry	1.68E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<1.11E2	ug/g dry	1.11E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	5.56E2	ug/g dry	5.33E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	4.14E0	ug/g dry	2.78E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<3.15E0	ug/g dry	3.15E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<9.67E0	ug/g dry	9.67E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<2.31E1	ug/g dry	2.31E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
HEIS No.	**B1V997**		**Lab ID:**	**0805003-07**			
7429-90-5	Aluminum	5.55E3	ug/g dry	2.35E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.52E1	ug/g dry	3.52E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.01E2	ug/g dry	1.01E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.98E1	ug/g dry	1.43E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<8.02E-1	ug/g dry	8.02E-1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<9.89E0	ug/g dry	9.89E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.67E3	ug/g dry	2.44E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<1.28E0	ug/g dry	1.28E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	6.25E0	ug/g dry	5.02E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	8.78E0	ug/g dry	2.05E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	7.14E0	ug/g dry	6.71E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.23E4	ug/g dry	6.31E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.91E2	ug/g dry	8.98E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<2.18E1	ug/g dry	2.18E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.54E3	ug/g dry	6.68E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.31E2	ug/g dry	2.10E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<7.96E0	ug/g dry	7.96E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.75E0	ug/g dry	4.86E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	5.22E2	ug/g dry	3.10E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<1.05E1	ug/g dry	1.05E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<5.95E1	ug/g dry	5.95E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	2.50E1	ug/g dry	1.53E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<3.37E1	ug/g dry	3.37E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	2.02E1	ug/g dry	4.20E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.76E1	ug/g dry	3.82E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.42E2	ug/g dry	6.61E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	<1.70E2	ug/g dry	1.70E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<1.12E2	ug/g dry	1.12E2	3/16/09	8L12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V997**		**Lab ID:**	**0805003-07**			
7440-32-6	Titanium	5.63E2	ug/g dry	5.37E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	5.07E0	ug/g dry	2.81E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<3.18E0	ug/g dry	3.18E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<9.76E0	ug/g dry	9.76E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<2.33E1	ug/g dry	2.33E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**			
7429-90-5	Aluminum	5.06E3	ug/g dry	2.34E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.51E1	ug/g dry	3.51E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.00E2	ug/g dry	1.00E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	8.02E1	ug/g dry	1.43E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<8.00E-1	ug/g dry	8.00E-1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<9.86E0	ug/g dry	9.86E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.75E3	ug/g dry	2.43E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<1.27E0	ug/g dry	1.27E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	7.49E0	ug/g dry	5.00E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	5.29E0	ug/g dry	2.04E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	8.69E0	ug/g dry	6.69E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.48E4	ug/g dry	6.29E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.07E2	ug/g dry	8.96E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<2.17E1	ug/g dry	2.17E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.28E3	ug/g dry	6.66E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.34E2	ug/g dry	2.09E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<7.94E0	ug/g dry	7.94E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	6.51E0	ug/g dry	4.85E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	5.44E2	ug/g dry	3.09E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<1.05E1	ug/g dry	1.05E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<5.94E1	ug/g dry	5.94E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	2.49E1	ug/g dry	1.53E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<3.36E1	ug/g dry	3.36E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	2.88E1	ug/g dry	4.19E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	3.09E1	ug/g dry	3.82E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.61E2	ug/g dry	6.59E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	<1.69E2	ug/g dry	1.69E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<1.12E2	ug/g dry	1.12E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	6.71E2	ug/g dry	5.36E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	6.21E0	ug/g dry	2.80E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<3.17E0	ug/g dry	3.17E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<9.74E0	ug/g dry	9.74E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<2.32E1	ug/g dry	2.32E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**			
7429-90-5	Aluminum	5.24E3	ug/g dry	2.38E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.58E1	ug/g dry	3.58E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.02E2	ug/g dry	1.02E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.85E1	ug/g dry	1.45E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<8.15E-1	ug/g dry	8.15E-1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<1.00E1	ug/g dry	1.00E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.53E3	ug/g dry	2.47E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<1.30E0	ug/g dry	1.30E0	3/16/09	8L12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**			
7440-48-4	Cobalt	6.38E0	ug/g dry	5.10E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	5.09E0	ug/g dry	2.08E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	7.65E0	ug/g dry	6.82E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.27E4	ug/g dry	6.41E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.58E2	ug/g dry	9.12E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<2.22E1	ug/g dry	2.22E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.16E3	ug/g dry	6.79E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.28E2	ug/g dry	2.13E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<8.09E0	ug/g dry	8.09E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	6.79E0	ug/g dry	4.94E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	4.54E2	ug/g dry	3.15E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<1.07E1	ug/g dry	1.07E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<6.05E1	ug/g dry	6.05E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	2.58E1	ug/g dry	1.55E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<3.42E1	ug/g dry	3.42E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	2.20E1	ug/g dry	4.26E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.75E1	ug/g dry	3.89E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.70E2	ug/g dry	6.72E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	<1.72E2	ug/g dry	1.72E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<1.14E2	ug/g dry	1.14E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	5.72E2	ug/g dry	5.46E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	5.98E0	ug/g dry	2.85E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<3.23E0	ug/g dry	3.23E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<9.92E0	ug/g dry	9.92E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<2.37E1	ug/g dry	2.37E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**			
7429-90-5	Aluminum	5.15E3	ug/g dry	2.33E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.50E1	ug/g dry	3.50E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<1.00E2	ug/g dry	1.00E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	6.29E1	ug/g dry	1.42E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<7.97E-1	ug/g dry	7.97E-1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<9.83E0	ug/g dry	9.83E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.00E3	ug/g dry	2.42E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<1.27E0	ug/g dry	1.27E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	6.25E0	ug/g dry	4.99E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	5.81E0	ug/g dry	2.04E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	6.70E0	ug/g dry	6.67E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.36E4	ug/g dry	6.27E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.14E2	ug/g dry	8.93E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<2.17E1	ug/g dry	2.17E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.18E3	ug/g dry	6.65E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.28E2	ug/g dry	2.09E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<7.92E0	ug/g dry	7.92E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	6.20E0	ug/g dry	4.84E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	4.28E2	ug/g dry	3.08E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<1.04E1	ug/g dry	1.04E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<5.92E1	ug/g dry	5.92E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	2.82E1	ug/g dry	1.52E0	3/16/09	8L12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**			
7440-28-0	Thallium	<3.35E1	ug/g dry	3.35E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	2.49E1	ug/g dry	4.17E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.65E1	ug/g dry	3.80E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	3.74E2	ug/g dry	6.57E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	<1.69E2	ug/g dry	1.69E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<1.11E2	ug/g dry	1.11E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	6.00E2	ug/g dry	5.34E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	5.10E0	ug/g dry	2.79E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<3.16E0	ug/g dry	3.16E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<9.71E0	ug/g dry	9.71E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<2.32E1	ug/g dry	2.32E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B5**		**Lab ID:**	**0805003-15**			
7429-90-5	Aluminum	4.41E3	ug/g dry	2.28E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.42E1	ug/g dry	3.42E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<9.78E1	ug/g dry	9.78E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.64E1	ug/g dry	1.39E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<7.79E-1	ug/g dry	7.79E-1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<9.61E0	ug/g dry	9.61E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.54E3	ug/g dry	2.37E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<1.24E0	ug/g dry	1.24E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<4.87E0	ug/g dry	4.87E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	6.63E0	ug/g dry	1.99E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<6.52E0	ug/g dry	6.52E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.09E4	ug/g dry	6.13E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.41E2	ug/g dry	8.73E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<2.12E1	ug/g dry	2.12E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.55E3	ug/g dry	6.49E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.03E2	ug/g dry	2.04E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<7.74E0	ug/g dry	7.74E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	7.80E0	ug/g dry	4.73E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	4.04E2	ug/g dry	3.01E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<1.02E1	ug/g dry	1.02E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<5.79E1	ug/g dry	5.79E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	1.99E1	ug/g dry	1.49E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<3.27E1	ug/g dry	3.27E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.69E1	ug/g dry	4.08E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.40E1	ug/g dry	3.72E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.12E2	ug/g dry	6.42E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	<1.65E2	ug/g dry	1.65E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<1.09E2	ug/g dry	1.09E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	4.74E2	ug/g dry	5.22E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	4.61E0	ug/g dry	2.73E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<3.09E0	ug/g dry	3.09E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<9.48E0	ug/g dry	9.48E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<2.26E1	ug/g dry	2.26E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**			
7429-90-5	Aluminum	5.01E3	ug/g dry	2.26E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.39E1	ug/g dry	3.39E1	3/16/09	8L12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**			
7440-42-8	Boron	<9.67E1	ug/g dry	9.67E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.65E1	ug/g dry	1.38E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<7.71E-1	ug/g dry	7.71E-1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<9.51E0	ug/g dry	9.51E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.15E3	ug/g dry	2.34E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<1.23E0	ug/g dry	1.23E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	5.23E0	ug/g dry	4.82E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	8.07E0	ug/g dry	1.97E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	7.02E0	ug/g dry	6.45E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.25E4	ug/g dry	6.07E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.00E2	ug/g dry	8.64E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<2.10E1	ug/g dry	2.10E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.18E3	ug/g dry	6.43E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.43E2	ug/g dry	2.02E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<7.66E0	ug/g dry	7.66E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.87E0	ug/g dry	4.68E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	4.52E2	ug/g dry	2.98E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<1.01E1	ug/g dry	1.01E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<5.73E1	ug/g dry	5.73E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	2.25E1	ug/g dry	1.47E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<3.24E1	ug/g dry	3.24E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.68E1	ug/g dry	4.04E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	3.22E1	ug/g dry	3.68E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.25E2	ug/g dry	6.36E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	<1.63E2	ug/g dry	1.63E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<1.08E2	ug/g dry	1.08E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	4.40E2	ug/g dry	5.17E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	4.51E0	ug/g dry	2.70E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<3.06E0	ug/g dry	3.06E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<9.39E0	ug/g dry	9.39E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<2.24E1	ug/g dry	2.24E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
HEIS No.	**B1V9B9**		**Lab ID:**	**0805003-19**			
7429-90-5	Aluminum	4.91E3	ug/g dry	2.30E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.45E1	ug/g dry	3.45E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<9.86E1	ug/g dry	9.86E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.44E1	ug/g dry	1.40E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<7.86E-1	ug/g dry	7.86E-1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<9.69E0	ug/g dry	9.69E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.27E3	ug/g dry	2.39E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<1.25E0	ug/g dry	1.25E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<4.92E0	ug/g dry	4.92E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	6.95E0	ug/g dry	2.01E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	7.44E0	ug/g dry	6.58E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.11E4	ug/g dry	6.19E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.47E2	ug/g dry	8.81E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<2.14E1	ug/g dry	2.14E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.85E3	ug/g dry	6.55E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.32E2	ug/g dry	2.06E0	3/16/09	8L12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B9**		**Lab ID:**	**0805003-19**			
7439-98-7	Molybdenum	<7.81E0	ug/g dry	7.81E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	7.24E0	ug/g dry	4.77E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	4.09E2	ug/g dry	3.04E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<1.03E1	ug/g dry	1.03E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<5.84E1	ug/g dry	5.84E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	2.64E1	ug/g dry	1.50E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<3.30E1	ug/g dry	3.30E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.51E1	ug/g dry	4.11E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.57E1	ug/g dry	3.75E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.32E2	ug/g dry	6.48E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	<1.66E2	ug/g dry	1.66E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<1.10E2	ug/g dry	1.10E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	4.38E2	ug/g dry	5.27E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	4.66E0	ug/g dry	2.76E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<3.12E0	ug/g dry	3.12E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<9.57E0	ug/g dry	9.57E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<2.28E1	ug/g dry	2.28E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**			
7429-90-5	Aluminum	4.66E3	ug/g dry	2.27E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.41E1	ug/g dry	3.41E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<9.75E1	ug/g dry	9.75E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.94E1	ug/g dry	1.39E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<7.77E-1	ug/g dry	7.77E-1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<9.58E0	ug/g dry	9.58E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.01E3	ug/g dry	2.36E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<1.24E0	ug/g dry	1.24E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<4.86E0	ug/g dry	4.86E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	8.00E0	ug/g dry	1.98E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<6.50E0	ug/g dry	6.50E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.08E4	ug/g dry	6.11E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.00E2	ug/g dry	8.70E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<2.11E1	ug/g dry	2.11E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.07E3	ug/g dry	6.48E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.03E2	ug/g dry	2.03E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<7.72E0	ug/g dry	7.72E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	9.04E0	ug/g dry	4.71E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	3.82E2	ug/g dry	3.00E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<1.02E1	ug/g dry	1.02E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<5.77E1	ug/g dry	5.77E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	2.18E1	ug/g dry	1.48E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<3.26E1	ug/g dry	3.26E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.47E1	ug/g dry	4.07E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.36E1	ug/g dry	3.71E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.30E2	ug/g dry	6.41E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	<1.65E2	ug/g dry	1.65E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<1.08E2	ug/g dry	1.08E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	4.40E2	ug/g dry	5.21E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	4.51E0	ug/g dry	2.72E0	3/16/09	8L12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**			
7440-22-4	Silver	<3.08E0	ug/g dry	3.08E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<9.46E0	ug/g dry	9.46E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<2.26E1	ug/g dry	2.26E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**			
7429-90-5	Aluminum	4.60E3	ug/g dry	2.32E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.48E1	ug/g dry	3.48E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<9.95E1	ug/g dry	9.95E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.15E1	ug/g dry	1.41E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<7.93E-1	ug/g dry	7.93E-1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<9.78E0	ug/g dry	9.78E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.75E3	ug/g dry	2.41E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<1.26E0	ug/g dry	1.26E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	5.00E0	ug/g dry	4.96E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	7.83E0	ug/g dry	2.02E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<6.64E0	ug/g dry	6.64E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.05E4	ug/g dry	6.24E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.88E2	ug/g dry	8.88E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<2.16E1	ug/g dry	2.16E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.50E3	ug/g dry	6.61E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.96E2	ug/g dry	2.07E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<7.88E0	ug/g dry	7.88E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.30E1	ug/g dry	4.81E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	3.54E2	ug/g dry	3.07E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<1.04E1	ug/g dry	1.04E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<5.89E1	ug/g dry	5.89E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	2.00E1	ug/g dry	1.51E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<3.33E1	ug/g dry	3.33E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.63E1	ug/g dry	4.15E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.32E1	ug/g dry	3.78E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.31E2	ug/g dry	6.54E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	<1.68E2	ug/g dry	1.68E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<1.11E2	ug/g dry	1.11E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	4.64E2	ug/g dry	5.31E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	4.97E0	ug/g dry	2.78E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<3.14E0	ug/g dry	3.14E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<9.65E0	ug/g dry	9.65E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<2.30E1	ug/g dry	2.30E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**			
7429-90-5	Aluminum	4.72E3	ug/g dry	2.29E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-38-2	Arsenic	<3.43E1	ug/g dry	3.43E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-42-8	Boron	<9.81E1	ug/g dry	9.81E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.01E1	ug/g dry	1.39E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-41-7	Beryllium	<7.82E-1	ug/g dry	7.82E-1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-69-9	Bismuth	<9.64E0	ug/g dry	9.64E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.67E3	ug/g dry	2.37E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<1.25E0	ug/g dry	1.25E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	5.11E0	ug/g dry	4.89E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	6.57E0	ug/g dry	1.99E0	3/16/09	8L12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**			
7440-50-8	Copper	7.47E0	ug/g dry	6.54E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.11E4	ug/g dry	6.15E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	7.66E2	ug/g dry	8.76E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-93-2	Lithium	<2.13E1	ug/g dry	2.13E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.70E3	ug/g dry	6.51E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.32E2	ug/g dry	2.04E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<7.76E0	ug/g dry	7.76E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	8.95E0	ug/g dry	4.74E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7723-14-0	Phosphorus	4.00E2	ug/g dry	3.02E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7439-92-1	Lead	<1.02E1	ug/g dry	1.02E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<5.80E1	ug/g dry	5.80E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-24-6	Strontium	2.13E1	ug/g dry	1.49E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-28-0	Thallium	<3.28E1	ug/g dry	3.28E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.61E1	ug/g dry	4.09E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.51E1	ug/g dry	3.73E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.41E2	ug/g dry	6.44E1	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-21-3	Silicon	<1.66E2	ug/g dry	1.66E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7704-34-9	Sulfur	<1.09E2	ug/g dry	1.09E2	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-32-6	Titanium	4.47E2	ug/g dry	5.24E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-67-7	Zirconium	4.87E0	ug/g dry	2.74E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-22-4	Silver	<3.10E0	ug/g dry	3.10E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-15-5	Rhenium	<9.52E0	ug/g dry	9.52E0	3/16/09	8L12002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<2.27E1	ug/g dry	2.27E1	3/16/09	8L12002	PNNL-AGG-ICP-AES

Radionuclides by ICP-MS/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V993**		**Lab ID:**	**0805003-03**			
14133-76-7	Technetium-99	<3.89E-3	ug/g dry	3.89E-3	12/12/08	8L12001	PNNL-AGG-415
	Uranium 238	2.84E-1	ug/g dry	2.82E-2	12/12/08	8L12001	PNNL-AGG-415
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**			
14133-76-7	Technetium-99	<4.09E-3	ug/g dry	4.09E-3	12/12/08	8L12001	PNNL-AGG-415
	Uranium 238	3.36E-1	ug/g dry	2.97E-2	12/12/08	8L12001	PNNL-AGG-415
HEIS No.	**B1V997**		**Lab ID:**	**0805003-07**			
14133-76-7	Technetium-99	<4.13E-3	ug/g dry	4.13E-3	12/12/08	8L12001	PNNL-AGG-415
	Uranium 238	4.25E-1	ug/g dry	3.00E-2	12/12/08	8L12001	PNNL-AGG-415
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**			
14133-76-7	Technetium-99	<4.12E-3	ug/g dry	4.12E-3	12/12/08	8L12001	PNNL-AGG-415
	Uranium 238	3.67E-1	ug/g dry	2.99E-2	12/12/08	8L12001	PNNL-AGG-415
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**			
14133-76-7	Technetium-99	<4.20E-3	ug/g dry	4.20E-3	12/12/08	8L12001	PNNL-AGG-415
	Uranium 238	3.36E-1	ug/g dry	3.05E-2	12/12/08	8L12001	PNNL-AGG-415
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**			
14133-76-7	Technetium-99	<4.11E-3	ug/g dry	4.11E-3	12/12/08	8L12001	PNNL-AGG-415
	Uranium 238	3.44E-1	ug/g dry	2.98E-2	12/12/08	8L12001	PNNL-AGG-415
HEIS No.	**B1V9B5**		**Lab ID:**	**0805003-15**			
14133-76-7	Technetium-99	<4.01E-3	ug/g dry	4.01E-3	12/12/08	8L12001	PNNL-AGG-415
	Uranium 238	3.35E-1	ug/g dry	2.91E-2	12/12/08	8L12001	PNNL-AGG-415
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**			
14133-76-7	Technetium-99	<3.97E-3	ug/g dry	3.97E-3	12/12/08	8L12001	PNNL-AGG-415
	Uranium 238	3.87E-1	ug/g dry	2.88E-2	12/12/08	8L12001	PNNL-AGG-415
HEIS No.	**B1V9B9**		**Lab ID:**	**0805003-19**			
14133-76-7	Technetium-99	<4.05E-3	ug/g dry	4.05E-3	12/12/08	8L12001	PNNL-AGG-415
	Uranium 238	4.10E-1	ug/g dry	2.94E-2	12/12/08	8L12001	PNNL-AGG-415
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**			
14133-76-7	Technetium-99	<4.00E-3	ug/g dry	4.00E-3	12/12/08	8L12001	PNNL-AGG-415
	Uranium 238	3.45E-1	ug/g dry	2.91E-2	12/12/08	8L12001	PNNL-AGG-415
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**			
14133-76-7	Technetium-99	<4.09E-3	ug/g dry	4.09E-3	12/12/08	8L12001	PNNL-AGG-415
	Uranium 238	2.54E-1	ug/g dry	2.97E-2	12/12/08	8L12001	PNNL-AGG-415
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**			
14133-76-7	Technetium-99	<4.03E-3	ug/g dry	4.03E-3	12/12/08	8L12001	PNNL-AGG-415
	Uranium 238	3.27E-1	ug/g dry	2.92E-2	12/12/08	8L12001	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1VDW5**		**Lab ID:**	**0805001-01**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	8/27/08	8H27003	PNNL-AGG-415
	Uranium 238	<5.61E-4	ug/g dry	5.61E-4	8/27/08	8H27003	PNNL-AGG-415
HEIS No.	**B1VDW6**		**Lab ID:**	**0805001-02**			
14133-76-7	Technetium-99	<2.25E-5	ug/g dry	2.25E-5	8/27/08	8H27003	PNNL-AGG-415
	Uranium 238	<5.50E-4	ug/g dry	5.50E-4	8/27/08	8H27003	PNNL-AGG-415
HEIS No.	**B1VDW7**		**Lab ID:**	**0805001-03**			
14133-76-7	Technetium-99	<2.28E-5	ug/g dry	2.28E-5	8/27/08	8H27003	PNNL-AGG-415
	Uranium 238	<5.60E-4	ug/g dry	5.60E-4	8/27/08	8H27003	PNNL-AGG-415
HEIS No.	**B1VDW8**		**Lab ID:**	**0805001-04**			
14133-76-7	Technetium-99	<2.26E-5	ug/g dry	2.26E-5	8/27/08	8H27003	PNNL-AGG-415
	Uranium 238	<5.55E-4	ug/g dry	5.55E-4	8/27/08	8H27003	PNNL-AGG-415
HEIS No.	**B1VDW9**		**Lab ID:**	**0805001-05**			
14133-76-7	Technetium-99	<2.27E-5	ug/g dry	2.27E-5	8/27/08	8H27003	PNNL-AGG-415
	Uranium 238	<5.56E-4	ug/g dry	5.56E-4	8/27/08	8H27003	PNNL-AGG-415
HEIS No.	**B1VDX0**		**Lab ID:**	**0805001-06**			
14133-76-7	Technetium-99	<2.48E-5	ug/g dry	2.48E-5	8/27/08	8H27003	PNNL-AGG-415
	Uranium 238	<6.08E-4	ug/g dry	6.08E-4	8/27/08	8H27003	PNNL-AGG-415
HEIS No.	**B1V991**		**Lab ID:**	**0805003-01**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	8/27/08	8H27003	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	8/27/08	8H27003	PNNL-AGG-415
HEIS No.	**B1V992**		**Lab ID:**	**0805003-02**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	8/27/08	8H27003	PNNL-AGG-415
	Uranium 238	<5.62E-4	ug/g dry	5.62E-4	8/27/08	8H27003	PNNL-AGG-415
HEIS No.	**B1V993**		**Lab ID:**	**0805003-03**			
14133-76-7	Technetium-99	<2.28E-5	ug/g dry	2.28E-5	8/27/08	8H27003	PNNL-AGG-415
	Uranium 238	<5.59E-4	ug/g dry	5.59E-4	8/27/08	8H27003	PNNL-AGG-415
HEIS No.	**B1V994**		**Lab ID:**	**0805003-04**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	8/27/08	8H27003	PNNL-AGG-415
	Uranium 238	7.53E-4	ug/g dry	5.61E-4	8/27/08	8H27003	PNNL-AGG-415
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	8/27/08	8H27003	PNNL-AGG-415
	Uranium 238	7.72E-4	ug/g dry	5.63E-4	8/27/08	8H27003	PNNL-AGG-415
HEIS No.	**B1V996**		**Lab ID:**	**0805003-06**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	2.82E-3	ug/g dry	5.64E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V997**		**Lab ID:**	**0805003-07**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	2.88E-3	ug/g dry	5.63E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V998**		**Lab ID:**	**0805003-08**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	1.16E-3	ug/g dry	5.64E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	7.74E-4	ug/g dry	5.62E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9B0**		**Lab ID:**	**0805003-10**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	8/27/08	8H27005	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B0**		**Lab ID:**	**0805003-10**			
	Uranium 238	7.38E-4	ug/g dry	5.62E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	8.77E-4	ug/g dry	5.62E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9B2**		**Lab ID:**	**0805003-12**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9B4**		**Lab ID:**	**0805003-14**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	1.20E-3	ug/g dry	5.62E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9B5**		**Lab ID:**	**0805003-15**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9B6**		**Lab ID:**	**0805003-16**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	<5.62E-4	ug/g dry	5.62E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9B8**		**Lab ID:**	**0805003-18**			
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	<5.67E-4	ug/g dry	5.67E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9B9**		**Lab ID:**	**0805003-19**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	<5.61E-4	ug/g dry	5.61E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9C0**		**Lab ID:**	**0805003-20**			
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	<5.65E-4	ug/g dry	5.65E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9C2**		**Lab ID:**	**0805003-22**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	<5.61E-4	ug/g dry	5.61E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V9C4**		**Lab ID:**	**0805003-24**			
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	<5.64E-4	ug/g dry	5.64E-4	8/27/08	8H27005	PNNL-AGG-415
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**			
14133-76-7	Technetium-99	<2.29E-5	ug/g dry	2.29E-5	8/27/08	8H27005	PNNL-AGG-415
	Uranium 238	<5.62E-4	ug/g dry	5.62E-4	8/27/08	8H27005	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1VDW5**		**Lab ID:**	**0805001-01**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/26/08	8H26016	PNNL-AGG-415
13981-78-7	Chromium 53	<6.38E-3	ug/g dry	6.38E-3	8/26/08	8H26016	PNNL-AGG-415
14191-84-5	Copper 63	<3.47E-3	ug/g dry	3.47E-3	8/26/08	8H26016	PNNL-AGG-415
14119-06-3	Copper 65	<4.82E-3	ug/g dry	4.82E-3	8/26/08	8H26016	PNNL-AGG-415
7440-38-2	Arsenic 75	<6.23E-3	ug/g dry	6.23E-3	8/26/08	8H26016	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/26/08	8H26016	PNNL-AGG-415
14392-17-7	Molybdenum 95	1.64E-3	ug/g dry	1.60E-3	8/26/08	8H26016	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.04E-3	ug/g dry	2.04E-3	8/26/08	8H26016	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.74E-3	ug/g dry	1.60E-3	8/26/08	8H26016	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.17E-4	ug/g dry	8.17E-4	8/26/08	8H26016	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.63E-4	ug/g dry	5.63E-4	8/26/08	8H26016	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.64E-4	ug/g dry	3.64E-4	8/26/08	8H26016	PNNL-AGG-415
14378-37-1	Silver 107	<9.22E-4	ug/g dry	9.22E-4	8/26/08	8H26016	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26016	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.94E-4	ug/g dry	2.94E-4	8/26/08	8H26016	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.23E-4	ug/g dry	6.23E-4	8/26/08	8H26016	PNNL-AGG-415
14265-72-6	Antimony 121	<5.38E-4	ug/g dry	5.38E-4	8/26/08	8H26016	PNNL-AGG-415
14119-16-5	Antimony 123	<4.28E-4	ug/g dry	4.28E-4	8/26/08	8H26016	PNNL-AGG-415
13966-27-3	Lead 206	<7.17E-4	ug/g dry	7.17E-4	8/26/08	8H26016	PNNL-AGG-415
13966-28-4	Lead 208	<5.58E-4	ug/g dry	5.58E-4	8/26/08	8H26016	PNNL-AGG-415
HEIS No.	**B1VDW6**		**Lab ID:**	**0805001-02**			
14092-98-9	Chromium 52	<2.01E-3	ug/g dry	2.01E-3	8/26/08	8H26016	PNNL-AGG-415
13981-78-7	Chromium 53	<6.25E-3	ug/g dry	6.25E-3	8/26/08	8H26016	PNNL-AGG-415
14191-84-5	Copper 63	<3.40E-3	ug/g dry	3.40E-3	8/26/08	8H26016	PNNL-AGG-415
14119-06-3	Copper 65	<4.73E-3	ug/g dry	4.73E-3	8/26/08	8H26016	PNNL-AGG-415
7440-38-2	Arsenic 75	<6.10E-3	ug/g dry	6.10E-3	8/26/08	8H26016	PNNL-AGG-415
14687-58-2	Selenium 82	<1.08E-2	ug/g dry	1.08E-2	8/26/08	8H26016	PNNL-AGG-415
14392-17-7	Molybdenum 95	<1.57E-3	ug/g dry	1.57E-3	8/26/08	8H26016	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.00E-3	ug/g dry	2.00E-3	8/26/08	8H26016	PNNL-AGG-415
14392-20-2	Molybdenum 98	<1.57E-3	ug/g dry	1.57E-3	8/26/08	8H26016	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.01E-4	ug/g dry	8.01E-4	8/26/08	8H26016	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.52E-4	ug/g dry	5.52E-4	8/26/08	8H26016	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.56E-4	ug/g dry	3.56E-4	8/26/08	8H26016	PNNL-AGG-415
14378-37-1	Silver 107	<9.03E-4	ug/g dry	9.03E-4	8/26/08	8H26016	PNNL-AGG-415
14378-38-2	Silver 109	<1.04E-3	ug/g dry	1.04E-3	8/26/08	8H26016	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.88E-4	ug/g dry	2.88E-4	8/26/08	8H26016	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.10E-4	ug/g dry	6.10E-4	8/26/08	8H26016	PNNL-AGG-415
14265-72-6	Antimony 121	<5.27E-4	ug/g dry	5.27E-4	8/26/08	8H26016	PNNL-AGG-415
14119-16-5	Antimony 123	<4.20E-4	ug/g dry	4.20E-4	8/26/08	8H26016	PNNL-AGG-415
13966-27-3	Lead 206	<7.03E-4	ug/g dry	7.03E-4	8/26/08	8H26016	PNNL-AGG-415
13966-28-4	Lead 208	<5.47E-4	ug/g dry	5.47E-4	8/26/08	8H26016	PNNL-AGG-415
HEIS No.	**B1VDW7**		**Lab ID:**	**0805001-03**			
14092-98-9	Chromium 52	<2.04E-3	ug/g dry	2.04E-3	8/26/08	8H26016	PNNL-AGG-415
13981-78-7	Chromium 53	<6.36E-3	ug/g dry	6.36E-3	8/26/08	8H26016	PNNL-AGG-415
14191-84-5	Copper 63	<3.46E-3	ug/g dry	3.46E-3	8/26/08	8H26016	PNNL-AGG-415
14119-06-3	Copper 65	<4.81E-3	ug/g dry	4.81E-3	8/26/08	8H26016	PNNL-AGG-415
7440-38-2	Arsenic 75	6.99E-3	ug/g dry	6.21E-3	8/26/08	8H26016	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/26/08	8H26016	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1VDW7**		**Lab ID:**	**0805001-03**			
14392-17-7	Molybdenum 95	1.73E-3	ug/g dry	1.59E-3	8/26/08	8H26016	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.03E-3	ug/g dry	2.03E-3	8/26/08	8H26016	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.80E-3	ug/g dry	1.59E-3	8/26/08	8H26016	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.15E-4	ug/g dry	8.15E-4	8/26/08	8H26016	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.61E-4	ug/g dry	5.61E-4	8/26/08	8H26016	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.63E-4	ug/g dry	3.63E-4	8/26/08	8H26016	PNNL-AGG-415
14378-37-1	Silver 107	<9.19E-4	ug/g dry	9.19E-4	8/26/08	8H26016	PNNL-AGG-415
14378-38-2	Silver 109	<1.06E-3	ug/g dry	1.06E-3	8/26/08	8H26016	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.93E-4	ug/g dry	2.93E-4	8/26/08	8H26016	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.21E-4	ug/g dry	6.21E-4	8/26/08	8H26016	PNNL-AGG-415
14265-72-6	Antimony 121	<5.36E-4	ug/g dry	5.36E-4	8/26/08	8H26016	PNNL-AGG-415
14119-16-5	Antimony 123	<4.27E-4	ug/g dry	4.27E-4	8/26/08	8H26016	PNNL-AGG-415
13966-27-3	Lead 206	<7.15E-4	ug/g dry	7.15E-4	8/26/08	8H26016	PNNL-AGG-415
13966-28-4	Lead 208	<5.56E-4	ug/g dry	5.56E-4	8/26/08	8H26016	PNNL-AGG-415
HEIS No.	**B1VDW8**		**Lab ID:**	**0805001-04**			
14092-98-9	Chromium 52	<2.02E-3	ug/g dry	2.02E-3	8/26/08	8H26016	PNNL-AGG-415
13981-78-7	Chromium 53	<6.30E-3	ug/g dry	6.30E-3	8/26/08	8H26016	PNNL-AGG-415
14191-84-5	Copper 63	<3.43E-3	ug/g dry	3.43E-3	8/26/08	8H26016	PNNL-AGG-415
14119-06-3	Copper 65	<4.77E-3	ug/g dry	4.77E-3	8/26/08	8H26016	PNNL-AGG-415
7440-38-2	Arsenic 75	8.74E-3	ug/g dry	6.15E-3	8/26/08	8H26016	PNNL-AGG-415
14687-58-2	Selenium 82	<1.09E-2	ug/g dry	1.09E-2	8/26/08	8H26016	PNNL-AGG-415
14392-17-7	Molybdenum 95	<1.58E-3	ug/g dry	1.58E-3	8/26/08	8H26016	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.01E-3	ug/g dry	2.01E-3	8/26/08	8H26016	PNNL-AGG-415
14392-20-2	Molybdenum 98	<1.58E-3	ug/g dry	1.58E-3	8/26/08	8H26016	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.07E-4	ug/g dry	8.07E-4	8/26/08	8H26016	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.56E-4	ug/g dry	5.56E-4	8/26/08	8H26016	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.59E-4	ug/g dry	3.59E-4	8/26/08	8H26016	PNNL-AGG-415
14378-37-1	Silver 107	<9.11E-4	ug/g dry	9.11E-4	8/26/08	8H26016	PNNL-AGG-415
14378-38-2	Silver 109	<1.05E-3	ug/g dry	1.05E-3	8/26/08	8H26016	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.90E-4	ug/g dry	2.90E-4	8/26/08	8H26016	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.15E-4	ug/g dry	6.15E-4	8/26/08	8H26016	PNNL-AGG-415
14265-72-6	Antimony 121	<5.32E-4	ug/g dry	5.32E-4	8/26/08	8H26016	PNNL-AGG-415
14119-16-5	Antimony 123	<4.23E-4	ug/g dry	4.23E-4	8/26/08	8H26016	PNNL-AGG-415
13966-27-3	Lead 206	<7.09E-4	ug/g dry	7.09E-4	8/26/08	8H26016	PNNL-AGG-415
13966-28-4	Lead 208	<5.51E-4	ug/g dry	5.51E-4	8/26/08	8H26016	PNNL-AGG-415
HEIS No.	**B1VDW9**		**Lab ID:**	**0805001-05**			
14092-98-9	Chromium 52	<2.03E-3	ug/g dry	2.03E-3	8/26/08	8H26016	PNNL-AGG-415
13981-78-7	Chromium 53	<6.31E-3	ug/g dry	6.31E-3	8/26/08	8H26016	PNNL-AGG-415
14191-84-5	Copper 63	<3.43E-3	ug/g dry	3.43E-3	8/26/08	8H26016	PNNL-AGG-415
14119-06-3	Copper 65	<4.77E-3	ug/g dry	4.77E-3	8/26/08	8H26016	PNNL-AGG-415
7440-38-2	Arsenic 75	1.37E-2	ug/g dry	6.17E-3	8/26/08	8H26016	PNNL-AGG-415
14687-58-2	Selenium 82	<1.09E-2	ug/g dry	1.09E-2	8/26/08	8H26016	PNNL-AGG-415
14392-17-7	Molybdenum 95	<1.58E-3	ug/g dry	1.58E-3	8/26/08	8H26016	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.02E-3	ug/g dry	2.02E-3	8/26/08	8H26016	PNNL-AGG-415
14392-20-2	Molybdenum 98	<1.58E-3	ug/g dry	1.58E-3	8/26/08	8H26016	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.09E-4	ug/g dry	8.09E-4	8/26/08	8H26016	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.57E-4	ug/g dry	5.57E-4	8/26/08	8H26016	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.60E-4	ug/g dry	3.60E-4	8/26/08	8H26016	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1VDW9**		**Lab ID:**	**0805001-05**			
14378-37-1	Silver 107	<9.13E-4	ug/g dry	9.13E-4	8/26/08	8H26016	PNNL-AGG-415
14378-38-2	Silver 109	<1.06E-3	ug/g dry	1.06E-3	8/26/08	8H26016	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.91E-4	ug/g dry	2.91E-4	8/26/08	8H26016	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.17E-4	ug/g dry	6.17E-4	8/26/08	8H26016	PNNL-AGG-415
14265-72-6	Antimony 121	<5.33E-4	ug/g dry	5.33E-4	8/26/08	8H26016	PNNL-AGG-415
14119-16-5	Antimony 123	<4.24E-4	ug/g dry	4.24E-4	8/26/08	8H26016	PNNL-AGG-415
13966-27-3	Lead 206	<7.10E-4	ug/g dry	7.10E-4	8/26/08	8H26016	PNNL-AGG-415
13966-28-4	Lead 208	<5.52E-4	ug/g dry	5.52E-4	8/26/08	8H26016	PNNL-AGG-415
HEIS No.	**B1VDX0**		**Lab ID:**	**0805001-06**			
14092-98-9	Chromium 52	<2.22E-3	ug/g dry	2.22E-3	8/26/08	8H26016	PNNL-AGG-415
13981-78-7	Chromium 53	<6.90E-3	ug/g dry	6.90E-3	8/26/08	8H26016	PNNL-AGG-415
14191-84-5	Copper 63	<3.75E-3	ug/g dry	3.75E-3	8/26/08	8H26016	PNNL-AGG-415
14119-06-3	Copper 65	<5.22E-3	ug/g dry	5.22E-3	8/26/08	8H26016	PNNL-AGG-415
7440-38-2	Arsenic 75	1.31E-2	ug/g dry	6.74E-3	8/26/08	8H26016	PNNL-AGG-415
14687-58-2	Selenium 82	<1.19E-2	ug/g dry	1.19E-2	8/26/08	8H26016	PNNL-AGG-415
14392-17-7	Molybdenum 95	<1.73E-3	ug/g dry	1.73E-3	8/26/08	8H26016	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.21E-3	ug/g dry	2.21E-3	8/26/08	8H26016	PNNL-AGG-415
14392-20-2	Molybdenum 98	<1.73E-3	ug/g dry	1.73E-3	8/26/08	8H26016	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.84E-4	ug/g dry	8.84E-4	8/26/08	8H26016	PNNL-AGG-415
14914-62-6	Ruthenium 102	<6.09E-4	ug/g dry	6.09E-4	8/26/08	8H26016	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.94E-4	ug/g dry	3.94E-4	8/26/08	8H26016	PNNL-AGG-415
14378-37-1	Silver 107	<9.97E-4	ug/g dry	9.97E-4	8/26/08	8H26016	PNNL-AGG-415
14378-38-2	Silver 109	<1.15E-3	ug/g dry	1.15E-3	8/26/08	8H26016	PNNL-AGG-415
14336-64-2	Cadmium 111	<3.18E-4	ug/g dry	3.18E-4	8/26/08	8H26016	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.74E-4	ug/g dry	6.74E-4	8/26/08	8H26016	PNNL-AGG-415
14265-72-6	Antimony 121	<5.82E-4	ug/g dry	5.82E-4	8/26/08	8H26016	PNNL-AGG-415
14119-16-5	Antimony 123	<4.64E-4	ug/g dry	4.64E-4	8/26/08	8H26016	PNNL-AGG-415
13966-27-3	Lead 206	<7.76E-4	ug/g dry	7.76E-4	8/26/08	8H26016	PNNL-AGG-415
13966-28-4	Lead 208	<6.04E-4	ug/g dry	6.04E-4	8/26/08	8H26016	PNNL-AGG-415
HEIS No.	**B1V991**		**Lab ID:**	**0805003-01**			
14092-98-9	Chromium 52	<2.06E-3	ug/g dry	2.06E-3	8/26/08	8H26016	PNNL-AGG-415
13981-78-7	Chromium 53	<6.40E-3	ug/g dry	6.40E-3	8/26/08	8H26016	PNNL-AGG-415
14191-84-5	Copper 63	4.61E-3	ug/g dry	3.48E-3	8/26/08	8H26016	PNNL-AGG-415
14119-06-3	Copper 65	<4.84E-3	ug/g dry	4.84E-3	8/26/08	8H26016	PNNL-AGG-415
7440-38-2	Arsenic 75	<6.25E-3	ug/g dry	6.25E-3	8/26/08	8H26016	PNNL-AGG-415
14687-58-2	Selenium 82	<1.11E-2	ug/g dry	1.11E-2	8/26/08	8H26016	PNNL-AGG-415
14392-17-7	Molybdenum 95	<1.61E-3	ug/g dry	1.61E-3	8/26/08	8H26016	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.05E-3	ug/g dry	2.05E-3	8/26/08	8H26016	PNNL-AGG-415
14392-20-2	Molybdenum 98	<1.61E-3	ug/g dry	1.61E-3	8/26/08	8H26016	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.20E-4	ug/g dry	8.20E-4	8/26/08	8H26016	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.65E-4	ug/g dry	5.65E-4	8/26/08	8H26016	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.65E-4	ug/g dry	3.65E-4	8/26/08	8H26016	PNNL-AGG-415
14378-37-1	Silver 107	<9.25E-4	ug/g dry	9.25E-4	8/26/08	8H26016	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26016	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.95E-4	ug/g dry	2.95E-4	8/26/08	8H26016	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.25E-4	ug/g dry	6.25E-4	8/26/08	8H26016	PNNL-AGG-415
14265-72-6	Antimony 121	<5.40E-4	ug/g dry	5.40E-4	8/26/08	8H26016	PNNL-AGG-415
13966-27-3	Lead 206	<7.20E-4	ug/g dry	7.20E-4	8/26/08	8H26016	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V991**		**Lab ID:**	**0805003-01**			
13966-28-4	Lead 208	<5.60E-4	ug/g dry	5.60E-4	8/26/08	8H26016	PNNL-AGG-415
HEIS No.	**B1V992**		**Lab ID:**	**0805003-02**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/26/08	8H26016	PNNL-AGG-415
13981-78-7	Chromium 53	<6.38E-3	ug/g dry	6.38E-3	8/26/08	8H26016	PNNL-AGG-415
14191-84-5	Copper 63	<3.47E-3	ug/g dry	3.47E-3	8/26/08	8H26016	PNNL-AGG-415
14119-06-3	Copper 65	<4.83E-3	ug/g dry	4.83E-3	8/26/08	8H26016	PNNL-AGG-415
7440-38-2	Arsenic 75	1.13E-2	ug/g dry	6.23E-3	8/26/08	8H26016	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/26/08	8H26016	PNNL-AGG-415
14392-17-7	Molybdenum 95	<1.60E-3	ug/g dry	1.60E-3	8/26/08	8H26016	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.04E-3	ug/g dry	2.04E-3	8/26/08	8H26016	PNNL-AGG-415
14392-20-2	Molybdenum 98	<1.60E-3	ug/g dry	1.60E-3	8/26/08	8H26016	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.18E-4	ug/g dry	8.18E-4	8/26/08	8H26016	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.63E-4	ug/g dry	5.63E-4	8/26/08	8H26016	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.64E-4	ug/g dry	3.64E-4	8/26/08	8H26016	PNNL-AGG-415
14378-37-1	Silver 107	<9.22E-4	ug/g dry	9.22E-4	8/26/08	8H26016	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26016	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.94E-4	ug/g dry	2.94E-4	8/26/08	8H26016	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.23E-4	ug/g dry	6.23E-4	8/26/08	8H26016	PNNL-AGG-415
14265-72-6	Antimony 121	<5.38E-4	ug/g dry	5.38E-4	8/26/08	8H26016	PNNL-AGG-415
13966-27-3	Lead 206	<7.18E-4	ug/g dry	7.18E-4	8/26/08	8H26016	PNNL-AGG-415
13966-28-4	Lead 208	<5.58E-4	ug/g dry	5.58E-4	8/26/08	8H26016	PNNL-AGG-415
HEIS No.	**B1V993**		**Lab ID:**	**0805003-03**			
14092-98-9	Chromium 52	<2.04E-3	ug/g dry	2.04E-3	8/26/08	8H26016	PNNL-AGG-415
13981-78-7	Chromium 53	<6.35E-3	ug/g dry	6.35E-3	8/26/08	8H26016	PNNL-AGG-415
14191-84-5	Copper 63	<3.45E-3	ug/g dry	3.45E-3	8/26/08	8H26016	PNNL-AGG-415
14119-06-3	Copper 65	<4.80E-3	ug/g dry	4.80E-3	8/26/08	8H26016	PNNL-AGG-415
7440-38-2	Arsenic 75	7.55E-3	ug/g dry	6.20E-3	8/26/08	8H26016	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/26/08	8H26016	PNNL-AGG-415
14392-17-7	Molybdenum 95	<1.59E-3	ug/g dry	1.59E-3	8/26/08	8H26016	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.03E-3	ug/g dry	2.03E-3	8/26/08	8H26016	PNNL-AGG-415
14392-20-2	Molybdenum 98	<1.59E-3	ug/g dry	1.59E-3	8/26/08	8H26016	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.13E-4	ug/g dry	8.13E-4	8/26/08	8H26016	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.60E-4	ug/g dry	5.60E-4	8/26/08	8H26016	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.62E-4	ug/g dry	3.62E-4	8/26/08	8H26016	PNNL-AGG-415
14378-37-1	Silver 107	<9.18E-4	ug/g dry	9.18E-4	8/26/08	8H26016	PNNL-AGG-415
14378-38-2	Silver 109	<1.06E-3	ug/g dry	1.06E-3	8/26/08	8H26016	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.93E-4	ug/g dry	2.93E-4	8/26/08	8H26016	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.20E-4	ug/g dry	6.20E-4	8/26/08	8H26016	PNNL-AGG-415
14265-72-6	Antimony 121	<5.36E-4	ug/g dry	5.36E-4	8/26/08	8H26016	PNNL-AGG-415
13966-27-3	Lead 206	<7.14E-4	ug/g dry	7.14E-4	8/26/08	8H26016	PNNL-AGG-415
13966-28-4	Lead 208	<5.56E-4	ug/g dry	5.56E-4	8/26/08	8H26016	PNNL-AGG-415
HEIS No.	**B1V994**		**Lab ID:**	**0805003-04**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/26/08	8H26016	PNNL-AGG-415
13981-78-7	Chromium 53	<6.38E-3	ug/g dry	6.38E-3	8/26/08	8H26016	PNNL-AGG-415
14191-84-5	Copper 63	<3.47E-3	ug/g dry	3.47E-3	8/26/08	8H26016	PNNL-AGG-415
14119-06-3	Copper 65	<4.82E-3	ug/g dry	4.82E-3	8/26/08	8H26016	PNNL-AGG-415
7440-38-2	Arsenic 75	9.99E-3	ug/g dry	6.23E-3	8/26/08	8H26016	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/26/08	8H26016	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V994**		**Lab ID:**	**0805003-04**			
14392-17-7	Molybdenum 95	1.81E-3	ug/g dry	1.60E-3	8/26/08	8H26016	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.04E-3	ug/g dry	2.04E-3	8/26/08	8H26016	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.89E-3	ug/g dry	1.60E-3	8/26/08	8H26016	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.17E-4	ug/g dry	8.17E-4	8/26/08	8H26016	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.63E-4	ug/g dry	5.63E-4	8/26/08	8H26016	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.64E-4	ug/g dry	3.64E-4	8/26/08	8H26016	PNNL-AGG-415
14378-37-1	Silver 107	<9.21E-4	ug/g dry	9.21E-4	8/26/08	8H26016	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26016	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.94E-4	ug/g dry	2.94E-4	8/26/08	8H26016	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.23E-4	ug/g dry	6.23E-4	8/26/08	8H26016	PNNL-AGG-415
14265-72-6	Antimony 121	<5.38E-4	ug/g dry	5.38E-4	8/26/08	8H26016	PNNL-AGG-415
13966-27-3	Lead 206	<7.17E-4	ug/g dry	7.17E-4	8/26/08	8H26016	PNNL-AGG-415
13966-28-4	Lead 208	<5.58E-4	ug/g dry	5.58E-4	8/26/08	8H26016	PNNL-AGG-415
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/26/08	8H26016	PNNL-AGG-415
13981-78-7	Chromium 53	<6.40E-3	ug/g dry	6.40E-3	8/26/08	8H26016	PNNL-AGG-415
14191-84-5	Copper 63	<3.48E-3	ug/g dry	3.48E-3	8/26/08	8H26016	PNNL-AGG-415
14119-06-3	Copper 65	<4.84E-3	ug/g dry	4.84E-3	8/26/08	8H26016	PNNL-AGG-415
7440-38-2	Arsenic 75	1.05E-2	ug/g dry	6.25E-3	8/26/08	8H26016	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/26/08	8H26016	PNNL-AGG-415
14392-17-7	Molybdenum 95	2.30E-3	ug/g dry	1.60E-3	8/26/08	8H26016	PNNL-AGG-415
14392-19-9	Molybdenum 97	2.40E-3	ug/g dry	2.04E-3	8/26/08	8H26016	PNNL-AGG-415
14392-20-2	Molybdenum 98	2.38E-3	ug/g dry	1.60E-3	8/26/08	8H26016	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.20E-4	ug/g dry	8.20E-4	8/26/08	8H26016	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.65E-4	ug/g dry	5.65E-4	8/26/08	8H26016	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.65E-4	ug/g dry	3.65E-4	8/26/08	8H26016	PNNL-AGG-415
14378-37-1	Silver 107	<9.25E-4	ug/g dry	9.25E-4	8/26/08	8H26016	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26016	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.95E-4	ug/g dry	2.95E-4	8/26/08	8H26016	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.25E-4	ug/g dry	6.25E-4	8/26/08	8H26016	PNNL-AGG-415
14265-72-6	Antimony 121	<5.40E-4	ug/g dry	5.40E-4	8/26/08	8H26016	PNNL-AGG-415
13966-27-3	Lead 206	<7.20E-4	ug/g dry	7.20E-4	8/26/08	8H26016	PNNL-AGG-415
13966-28-4	Lead 208	<5.60E-4	ug/g dry	5.60E-4	8/26/08	8H26016	PNNL-AGG-415
HEIS No.	**B1V996**		**Lab ID:**	**0805003-06**			
14092-98-9	Chromium 52	<2.06E-3	ug/g dry	2.06E-3	8/26/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.40E-3	ug/g dry	6.40E-3	8/26/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	5.79E-3	ug/g dry	3.48E-3	8/26/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	5.49E-3	ug/g dry	4.84E-3	8/26/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	1.45E-2	ug/g dry	6.25E-3	8/26/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.11E-2	ug/g dry	1.11E-2	8/26/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	2.77E-3	ug/g dry	1.61E-3	8/26/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	2.87E-3	ug/g dry	2.05E-3	8/26/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	2.89E-3	ug/g dry	1.61E-3	8/26/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.20E-4	ug/g dry	8.20E-4	8/26/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.65E-4	ug/g dry	5.65E-4	8/26/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.65E-4	ug/g dry	3.65E-4	8/26/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.25E-4	ug/g dry	9.25E-4	8/26/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26017	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V996**		**Lab ID:**	**0805003-06**			
14336-64-2	Cadmium 111	<2.95E-4	ug/g dry	2.95E-4	8/26/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.25E-4	ug/g dry	6.25E-4	8/26/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.40E-4	ug/g dry	5.40E-4	8/26/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.20E-4	ug/g dry	7.20E-4	8/26/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.60E-4	ug/g dry	5.60E-4	8/26/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V997**		**Lab ID:**	**0805003-07**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/26/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.39E-3	ug/g dry	6.39E-3	8/26/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	4.98E-3	ug/g dry	3.48E-3	8/26/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.84E-3	ug/g dry	4.84E-3	8/26/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	1.38E-2	ug/g dry	6.24E-3	8/26/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/26/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	3.13E-3	ug/g dry	1.60E-3	8/26/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	3.24E-3	ug/g dry	2.04E-3	8/26/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	3.22E-3	ug/g dry	1.60E-3	8/26/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.19E-4	ug/g dry	8.19E-4	8/26/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.65E-4	ug/g dry	5.65E-4	8/26/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.65E-4	ug/g dry	3.65E-4	8/26/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.24E-4	ug/g dry	9.24E-4	8/26/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.95E-4	ug/g dry	2.95E-4	8/26/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.24E-4	ug/g dry	6.24E-4	8/26/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.40E-4	ug/g dry	5.40E-4	8/26/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.19E-4	ug/g dry	7.19E-4	8/26/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.60E-4	ug/g dry	5.60E-4	8/26/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V998**		**Lab ID:**	**0805003-08**			
14092-98-9	Chromium 52	<2.06E-3	ug/g dry	2.06E-3	8/26/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.41E-3	ug/g dry	6.41E-3	8/26/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	1.47E-2	ug/g dry	3.48E-3	8/26/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	1.44E-2	ug/g dry	4.84E-3	8/26/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	1.34E-2	ug/g dry	6.26E-3	8/26/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.11E-2	ug/g dry	1.11E-2	8/26/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	5.45E-3	ug/g dry	1.61E-3	8/26/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	5.58E-3	ug/g dry	2.05E-3	8/26/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	5.57E-3	ug/g dry	1.61E-3	8/26/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.21E-4	ug/g dry	8.21E-4	8/26/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.66E-4	ug/g dry	5.66E-4	8/26/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.65E-4	ug/g dry	3.65E-4	8/26/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.26E-4	ug/g dry	9.26E-4	8/26/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.95E-4	ug/g dry	2.95E-4	8/26/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.26E-4	ug/g dry	6.26E-4	8/26/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.40E-4	ug/g dry	5.40E-4	8/26/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.21E-4	ug/g dry	7.21E-4	8/26/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.61E-4	ug/g dry	5.61E-4	8/26/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/26/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.38E-3	ug/g dry	6.38E-3	8/26/08	8H26017	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**			
14191-84-5	Copper 63	<3.47E-3	ug/g dry	3.47E-3	8/26/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.83E-3	ug/g dry	4.83E-3	8/26/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	8.86E-3	ug/g dry	6.23E-3	8/26/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/26/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	5.62E-3	ug/g dry	1.60E-3	8/26/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	5.63E-3	ug/g dry	2.04E-3	8/26/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	5.65E-3	ug/g dry	1.60E-3	8/26/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.18E-4	ug/g dry	8.18E-4	8/26/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.63E-4	ug/g dry	5.63E-4	8/26/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.64E-4	ug/g dry	3.64E-4	8/26/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.22E-4	ug/g dry	9.22E-4	8/26/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.94E-4	ug/g dry	2.94E-4	8/26/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.23E-4	ug/g dry	6.23E-4	8/26/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.38E-4	ug/g dry	5.38E-4	8/26/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.18E-4	ug/g dry	7.18E-4	8/26/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.58E-4	ug/g dry	5.58E-4	8/26/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9B0**		**Lab ID:**	**0805003-10**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/26/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.38E-3	ug/g dry	6.38E-3	8/26/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.47E-3	ug/g dry	3.47E-3	8/26/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.82E-3	ug/g dry	4.82E-3	8/26/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	7.67E-3	ug/g dry	6.23E-3	8/26/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/26/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	5.72E-3	ug/g dry	1.60E-3	8/26/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	5.72E-3	ug/g dry	2.04E-3	8/26/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	5.65E-3	ug/g dry	1.60E-3	8/26/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.17E-4	ug/g dry	8.17E-4	8/26/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.63E-4	ug/g dry	5.63E-4	8/26/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.64E-4	ug/g dry	3.64E-4	8/26/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.22E-4	ug/g dry	9.22E-4	8/26/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.94E-4	ug/g dry	2.94E-4	8/26/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.23E-4	ug/g dry	6.23E-4	8/26/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.38E-4	ug/g dry	5.38E-4	8/26/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.18E-4	ug/g dry	7.18E-4	8/26/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.58E-4	ug/g dry	5.58E-4	8/26/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/26/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.38E-3	ug/g dry	6.38E-3	8/26/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.47E-3	ug/g dry	3.47E-3	8/26/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.83E-3	ug/g dry	4.83E-3	8/26/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	9.30E-3	ug/g dry	6.23E-3	8/26/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/26/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	7.18E-3	ug/g dry	1.60E-3	8/26/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	7.20E-3	ug/g dry	2.04E-3	8/26/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	7.24E-3	ug/g dry	1.60E-3	8/26/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.18E-4	ug/g dry	8.18E-4	8/26/08	8H26017	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**			
14914-62-6	Ruthenium 102	<5.64E-4	ug/g dry	5.64E-4	8/26/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.64E-4	ug/g dry	3.64E-4	8/26/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.23E-4	ug/g dry	9.23E-4	8/26/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.94E-4	ug/g dry	2.94E-4	8/26/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.23E-4	ug/g dry	6.23E-4	8/26/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.39E-4	ug/g dry	5.39E-4	8/26/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.18E-4	ug/g dry	7.18E-4	8/26/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.59E-4	ug/g dry	5.59E-4	8/26/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9B2**		**Lab ID:**	**0805003-12**			
14092-98-9	Chromium 52	<2.06E-3	ug/g dry	2.06E-3	8/26/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.40E-3	ug/g dry	6.40E-3	8/26/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.48E-3	ug/g dry	3.48E-3	8/26/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.84E-3	ug/g dry	4.84E-3	8/26/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	6.97E-3	ug/g dry	6.25E-3	8/26/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.11E-2	ug/g dry	1.11E-2	8/26/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	4.72E-3	ug/g dry	1.61E-3	8/26/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	4.94E-3	ug/g dry	2.05E-3	8/26/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	4.82E-3	ug/g dry	1.61E-3	8/26/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.20E-4	ug/g dry	8.20E-4	8/26/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.65E-4	ug/g dry	5.65E-4	8/26/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.65E-4	ug/g dry	3.65E-4	8/26/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.25E-4	ug/g dry	9.25E-4	8/26/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.95E-4	ug/g dry	2.95E-4	8/26/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.25E-4	ug/g dry	6.25E-4	8/26/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.40E-4	ug/g dry	5.40E-4	8/26/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.20E-4	ug/g dry	7.20E-4	8/26/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.60E-4	ug/g dry	5.60E-4	8/26/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**			
14092-98-9	Chromium 52	<2.06E-3	ug/g dry	2.06E-3	8/26/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.40E-3	ug/g dry	6.40E-3	8/26/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.48E-3	ug/g dry	3.48E-3	8/26/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.84E-3	ug/g dry	4.84E-3	8/26/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	6.79E-3	ug/g dry	6.25E-3	8/26/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.11E-2	ug/g dry	1.11E-2	8/26/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	2.04E-2	ug/g dry	1.61E-3	8/26/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	2.04E-2	ug/g dry	2.05E-3	8/26/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	2.06E-2	ug/g dry	1.61E-3	8/26/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.20E-4	ug/g dry	8.20E-4	8/26/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.65E-4	ug/g dry	5.65E-4	8/26/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.65E-4	ug/g dry	3.65E-4	8/26/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.26E-4	ug/g dry	9.26E-4	8/26/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.95E-4	ug/g dry	2.95E-4	8/26/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.25E-4	ug/g dry	6.25E-4	8/26/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.40E-4	ug/g dry	5.40E-4	8/26/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.20E-4	ug/g dry	7.20E-4	8/26/08	8H26017	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**			
13966-28-4	Lead 208	<5.60E-4	ug/g dry	5.60E-4	8/26/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9B4**		**Lab ID:**	**0805003-14**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/26/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.39E-3	ug/g dry	6.39E-3	8/26/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.47E-3	ug/g dry	3.47E-3	8/26/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.83E-3	ug/g dry	4.83E-3	8/26/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	1.42E-2	ug/g dry	6.24E-3	8/26/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/26/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	1.67E-2	ug/g dry	1.60E-3	8/26/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	1.67E-2	ug/g dry	2.04E-3	8/26/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.68E-2	ug/g dry	1.60E-3	8/26/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.19E-4	ug/g dry	8.19E-4	8/26/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.64E-4	ug/g dry	5.64E-4	8/26/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.64E-4	ug/g dry	3.64E-4	8/26/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.23E-4	ug/g dry	9.23E-4	8/26/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/26/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.94E-4	ug/g dry	2.94E-4	8/26/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.24E-4	ug/g dry	6.24E-4	8/26/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.39E-4	ug/g dry	5.39E-4	8/26/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.19E-4	ug/g dry	7.19E-4	8/26/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.59E-4	ug/g dry	5.59E-4	8/26/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9B5**		**Lab ID:**	**0805003-15**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/27/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.40E-3	ug/g dry	6.40E-3	8/27/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.48E-3	ug/g dry	3.48E-3	8/27/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.84E-3	ug/g dry	4.84E-3	8/27/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	8.37E-3	ug/g dry	6.25E-3	8/27/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/27/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	2.60E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	2.73E-3	ug/g dry	2.04E-3	8/27/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	2.70E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.19E-4	ug/g dry	8.19E-4	8/27/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.65E-4	ug/g dry	5.65E-4	8/27/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.65E-4	ug/g dry	3.65E-4	8/27/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.24E-4	ug/g dry	9.24E-4	8/27/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/27/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.95E-4	ug/g dry	2.95E-4	8/27/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.25E-4	ug/g dry	6.25E-4	8/27/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.40E-4	ug/g dry	5.40E-4	8/27/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.20E-4	ug/g dry	7.20E-4	8/27/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.60E-4	ug/g dry	5.60E-4	8/27/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9B6**		**Lab ID:**	**0805003-16**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/27/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.38E-3	ug/g dry	6.38E-3	8/27/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.47E-3	ug/g dry	3.47E-3	8/27/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.82E-3	ug/g dry	4.82E-3	8/27/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	7.88E-3	ug/g dry	6.23E-3	8/27/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/27/08	8H26017	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B6**		**Lab ID:**	**0805003-16**			
14392-17-7	Molybdenum 95	3.60E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	3.73E-3	ug/g dry	2.04E-3	8/27/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	3.66E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.17E-4	ug/g dry	8.17E-4	8/27/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.63E-4	ug/g dry	5.63E-4	8/27/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.64E-4	ug/g dry	3.64E-4	8/27/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.22E-4	ug/g dry	9.22E-4	8/27/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/27/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.94E-4	ug/g dry	2.94E-4	8/27/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.23E-4	ug/g dry	6.23E-4	8/27/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.38E-4	ug/g dry	5.38E-4	8/27/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.18E-4	ug/g dry	7.18E-4	8/27/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.58E-4	ug/g dry	5.58E-4	8/27/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/27/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.40E-3	ug/g dry	6.40E-3	8/27/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.48E-3	ug/g dry	3.48E-3	8/27/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.84E-3	ug/g dry	4.84E-3	8/27/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	6.66E-3	ug/g dry	6.25E-3	8/27/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/27/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	2.86E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	2.92E-3	ug/g dry	2.04E-3	8/27/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	2.96E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.20E-4	ug/g dry	8.20E-4	8/27/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.65E-4	ug/g dry	5.65E-4	8/27/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.65E-4	ug/g dry	3.65E-4	8/27/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.24E-4	ug/g dry	9.24E-4	8/27/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/27/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.95E-4	ug/g dry	2.95E-4	8/27/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.25E-4	ug/g dry	6.25E-4	8/27/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.40E-4	ug/g dry	5.40E-4	8/27/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.20E-4	ug/g dry	7.20E-4	8/27/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.60E-4	ug/g dry	5.60E-4	8/27/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9B8**		**Lab ID:**	**0805003-18**			
14092-98-9	Chromium 52	<2.07E-3	ug/g dry	2.07E-3	8/27/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.44E-3	ug/g dry	6.44E-3	8/27/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.50E-3	ug/g dry	3.50E-3	8/27/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.87E-3	ug/g dry	4.87E-3	8/27/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	7.09E-3	ug/g dry	6.28E-3	8/27/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.11E-2	ug/g dry	1.11E-2	8/27/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	2.39E-3	ug/g dry	1.61E-3	8/27/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	2.49E-3	ug/g dry	2.06E-3	8/27/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	2.46E-3	ug/g dry	1.61E-3	8/27/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.25E-4	ug/g dry	8.25E-4	8/27/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.68E-4	ug/g dry	5.68E-4	8/27/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.67E-4	ug/g dry	3.67E-4	8/27/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.30E-4	ug/g dry	9.30E-4	8/27/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.08E-3	ug/g dry	1.08E-3	8/27/08	8H26017	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B8**		**Lab ID:**	**0805003-18**			
14336-64-2	Cadmium 111	<2.97E-4	ug/g dry	2.97E-4	8/27/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.28E-4	ug/g dry	6.28E-4	8/27/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.43E-4	ug/g dry	5.43E-4	8/27/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.24E-4	ug/g dry	7.24E-4	8/27/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.63E-4	ug/g dry	5.63E-4	8/27/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9B9**		**Lab ID:**	**0805003-19**			
14092-98-9	Chromium 52	<2.04E-3	ug/g dry	2.04E-3	8/27/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.37E-3	ug/g dry	6.37E-3	8/27/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.46E-3	ug/g dry	3.46E-3	8/27/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.82E-3	ug/g dry	4.82E-3	8/27/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	<6.22E-3	ug/g dry	6.22E-3	8/27/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/27/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	3.68E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	3.77E-3	ug/g dry	2.04E-3	8/27/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	3.70E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.16E-4	ug/g dry	8.16E-4	8/27/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.62E-4	ug/g dry	5.62E-4	8/27/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.63E-4	ug/g dry	3.63E-4	8/27/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.20E-4	ug/g dry	9.20E-4	8/27/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.06E-3	ug/g dry	1.06E-3	8/27/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.94E-4	ug/g dry	2.94E-4	8/27/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.22E-4	ug/g dry	6.22E-4	8/27/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.37E-4	ug/g dry	5.37E-4	8/27/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.16E-4	ug/g dry	7.16E-4	8/27/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.57E-4	ug/g dry	5.57E-4	8/27/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9C0**		**Lab ID:**	**0805003-20**			
14092-98-9	Chromium 52	<2.06E-3	ug/g dry	2.06E-3	8/27/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.42E-3	ug/g dry	6.42E-3	8/27/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.49E-3	ug/g dry	3.49E-3	8/27/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.85E-3	ug/g dry	4.85E-3	8/27/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	6.69E-3	ug/g dry	6.27E-3	8/27/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.11E-2	ug/g dry	1.11E-2	8/27/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	2.56E-3	ug/g dry	1.61E-3	8/27/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	2.58E-3	ug/g dry	2.05E-3	8/27/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	2.63E-3	ug/g dry	1.61E-3	8/27/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.22E-4	ug/g dry	8.22E-4	8/27/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.67E-4	ug/g dry	5.67E-4	8/27/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.66E-4	ug/g dry	3.66E-4	8/27/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.28E-4	ug/g dry	9.28E-4	8/27/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/27/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.96E-4	ug/g dry	2.96E-4	8/27/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.27E-4	ug/g dry	6.27E-4	8/27/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.42E-4	ug/g dry	5.42E-4	8/27/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	1.20E-3	ug/g dry	7.22E-4	8/27/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	1.20E-3	ug/g dry	5.62E-4	8/27/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/27/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.39E-3	ug/g dry	6.39E-3	8/27/08	8H26017	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**			
14191-84-5	Copper 63	<3.48E-3	ug/g dry	3.48E-3	8/27/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.83E-3	ug/g dry	4.83E-3	8/27/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	6.34E-3	ug/g dry	6.24E-3	8/27/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/27/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	2.57E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	2.64E-3	ug/g dry	2.04E-3	8/27/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	2.63E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.19E-4	ug/g dry	8.19E-4	8/27/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.64E-4	ug/g dry	5.64E-4	8/27/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.65E-4	ug/g dry	3.65E-4	8/27/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.24E-4	ug/g dry	9.24E-4	8/27/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/27/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.95E-4	ug/g dry	2.95E-4	8/27/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.24E-4	ug/g dry	6.24E-4	8/27/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.39E-4	ug/g dry	5.39E-4	8/27/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.19E-4	ug/g dry	7.19E-4	8/27/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.59E-4	ug/g dry	5.59E-4	8/27/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9C2**		**Lab ID:**	**0805003-22**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/27/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.39E-3	ug/g dry	6.39E-3	8/27/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.48E-3	ug/g dry	3.48E-3	8/27/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.83E-3	ug/g dry	4.83E-3	8/27/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	7.26E-3	ug/g dry	6.24E-3	8/27/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/27/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	2.09E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	2.21E-3	ug/g dry	2.04E-3	8/27/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	2.19E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.19E-4	ug/g dry	8.19E-4	8/27/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.64E-4	ug/g dry	5.64E-4	8/27/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.65E-4	ug/g dry	3.65E-4	8/27/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.24E-4	ug/g dry	9.24E-4	8/27/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/27/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.95E-4	ug/g dry	2.95E-4	8/27/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.24E-4	ug/g dry	6.24E-4	8/27/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.39E-4	ug/g dry	5.39E-4	8/27/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.19E-4	ug/g dry	7.19E-4	8/27/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.59E-4	ug/g dry	5.59E-4	8/27/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/27/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.38E-3	ug/g dry	6.38E-3	8/27/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.47E-3	ug/g dry	3.47E-3	8/27/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.82E-3	ug/g dry	4.82E-3	8/27/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	7.64E-3	ug/g dry	6.23E-3	8/27/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/27/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	1.83E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.04E-3	ug/g dry	2.04E-3	8/27/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.97E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.17E-4	ug/g dry	8.17E-4	8/27/08	8H26017	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**			
14914-62-6	Ruthenium 102	<5.63E-4	ug/g dry	5.63E-4	8/27/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.64E-4	ug/g dry	3.64E-4	8/27/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.21E-4	ug/g dry	9.21E-4	8/27/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/27/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.94E-4	ug/g dry	2.94E-4	8/27/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.23E-4	ug/g dry	6.23E-4	8/27/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.38E-4	ug/g dry	5.38E-4	8/27/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.17E-4	ug/g dry	7.17E-4	8/27/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.58E-4	ug/g dry	5.58E-4	8/27/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V9C4**		**Lab ID:**	**0805003-24**			
14092-98-9	Chromium 52	<2.06E-3	ug/g dry	2.06E-3	8/27/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.41E-3	ug/g dry	6.41E-3	8/27/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.48E-3	ug/g dry	3.48E-3	8/27/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.85E-3	ug/g dry	4.85E-3	8/27/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	<6.26E-3	ug/g dry	6.26E-3	8/27/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.11E-2	ug/g dry	1.11E-2	8/27/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	5.79E-3	ug/g dry	1.61E-3	8/27/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	5.99E-3	ug/g dry	2.05E-3	8/27/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	5.86E-3	ug/g dry	1.61E-3	8/27/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.21E-4	ug/g dry	8.21E-4	8/27/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.66E-4	ug/g dry	5.66E-4	8/27/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.65E-4	ug/g dry	3.65E-4	8/27/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.26E-4	ug/g dry	9.26E-4	8/27/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/27/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.95E-4	ug/g dry	2.95E-4	8/27/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.26E-4	ug/g dry	6.26E-4	8/27/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.41E-4	ug/g dry	5.41E-4	8/27/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.21E-4	ug/g dry	7.21E-4	8/27/08	8H26017	PNNL-AGG-415
13966-28-4	Lead 208	<5.61E-4	ug/g dry	5.61E-4	8/27/08	8H26017	PNNL-AGG-415
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**			
14092-98-9	Chromium 52	<2.05E-3	ug/g dry	2.05E-3	8/27/08	8H26017	PNNL-AGG-415
13981-78-7	Chromium 53	<6.38E-3	ug/g dry	6.38E-3	8/27/08	8H26017	PNNL-AGG-415
14191-84-5	Copper 63	<3.47E-3	ug/g dry	3.47E-3	8/27/08	8H26017	PNNL-AGG-415
14119-06-3	Copper 65	<4.82E-3	ug/g dry	4.82E-3	8/27/08	8H26017	PNNL-AGG-415
7440-38-2	Arsenic 75	8.48E-3	ug/g dry	6.23E-3	8/27/08	8H26017	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E-2	ug/g dry	1.10E-2	8/27/08	8H26017	PNNL-AGG-415
14392-17-7	Molybdenum 95	1.79E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.04E-3	ug/g dry	2.04E-3	8/27/08	8H26017	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.93E-3	ug/g dry	1.60E-3	8/27/08	8H26017	PNNL-AGG-415
14914-61-5	Ruthenium 101	<8.17E-4	ug/g dry	8.17E-4	8/27/08	8H26017	PNNL-AGG-415
14914-62-6	Ruthenium 102	<5.63E-4	ug/g dry	5.63E-4	8/27/08	8H26017	PNNL-AGG-415
15766-01-5	Ruthenium 104	<3.64E-4	ug/g dry	3.64E-4	8/27/08	8H26017	PNNL-AGG-415
14378-37-1	Silver 107	<9.22E-4	ug/g dry	9.22E-4	8/27/08	8H26017	PNNL-AGG-415
14378-38-2	Silver 109	<1.07E-3	ug/g dry	1.07E-3	8/27/08	8H26017	PNNL-AGG-415
14336-64-2	Cadmium 111	<2.94E-4	ug/g dry	2.94E-4	8/27/08	8H26017	PNNL-AGG-415
14041-58-8	Cadmium 114	<6.23E-4	ug/g dry	6.23E-4	8/27/08	8H26017	PNNL-AGG-415
14265-72-6	Antimony 121	<5.38E-4	ug/g dry	5.38E-4	8/27/08	8H26017	PNNL-AGG-415
13966-27-3	Lead 206	<7.17E-4	ug/g dry	7.17E-4	8/27/08	8H26017	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**			
13966-28-4	Lead 208	<5.58E-4	ug/g dry	5.58E-4	8/27/08	8H26017	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V993**		**Lab ID:**	**0805003-03**			
14092-98-9	Chromium 52	5.03E0	ug/g dry	1.78E-1	12/15/08	8L15001	PNNL-AGG-415
14191-84-5	Copper 63	7.85E0	ug/g dry	6.31E-1	12/15/08	8L15001	PNNL-AGG-415
14119-06-3	Copper 65	8.18E0	ug/g dry	5.62E-1	12/15/08	8L15001	PNNL-AGG-415
7440-38-2	Arsenic 75	7.45E-1	ug/g dry	3.92E-1	12/15/08	8L15001	PNNL-AGG-415
14687-58-2	Selenium 82	<1.07E0	ug/g dry	1.07E0	12/15/08	8L15001	PNNL-AGG-415
14392-17-7	Molybdenum 95	<2.20E-1	ug/g dry	2.20E-1	12/15/08	8L15001	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.01E-1	ug/g dry	2.01E-1	12/15/08	8L15001	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.80E-1	ug/g dry	8.33E-2	12/15/08	8L15001	PNNL-AGG-415
14914-61-5	Ruthenium 101	<4.22E-2	ug/g dry	4.22E-2	12/15/08	8L15001	PNNL-AGG-415
14914-62-6	Ruthenium 102	<2.55E-2	ug/g dry	2.55E-2	12/15/08	8L15001	PNNL-AGG-415
15766-01-5	Ruthenium 104	<7.12E-2	ug/g dry	7.12E-2	12/15/08	8L15001	PNNL-AGG-415
14378-37-1	Silver 107	<6.50E-2	ug/g dry	6.50E-2	12/15/08	8L15001	PNNL-AGG-415
14378-38-2	Silver 109	<4.25E-2	ug/g dry	4.25E-2	12/15/08	8L15001	PNNL-AGG-415
14336-64-2	Cadmium 111	<4.61E-2	ug/g dry	4.61E-2	12/15/08	8L15001	PNNL-AGG-415
14041-58-8	Cadmium 114	7.73E-2	ug/g dry	1.05E-2	12/15/08	8L15001	PNNL-AGG-415
14265-72-6	Antimony 121	<7.45E-2	ug/g dry	7.45E-2	12/15/08	8L15001	PNNL-AGG-415
13966-27-3	Lead 206	2.20E0	ug/g dry	7.32E-2	12/15/08	8L15001	PNNL-AGG-415
13966-28-4	Lead 208	2.18E0	ug/g dry	3.46E-2	12/15/08	8L15001	PNNL-AGG-415
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**			
14092-98-9	Chromium 52	5.75E0	ug/g dry	1.88E-1	12/15/08	8L15001	PNNL-AGG-415
14191-84-5	Copper 63	8.37E0	ug/g dry	6.64E-1	12/15/08	8L15001	PNNL-AGG-415
14119-06-3	Copper 65	8.86E0	ug/g dry	5.92E-1	12/15/08	8L15001	PNNL-AGG-415
7440-38-2	Arsenic 75	1.23E0	ug/g dry	4.13E-1	12/15/08	8L15001	PNNL-AGG-415
14687-58-2	Selenium 82	<1.13E0	ug/g dry	1.13E0	12/15/08	8L15001	PNNL-AGG-415
14392-17-7	Molybdenum 95	2.73E-1	ug/g dry	2.31E-1	12/15/08	8L15001	PNNL-AGG-415
14392-19-9	Molybdenum 97	2.75E-1	ug/g dry	2.12E-1	12/15/08	8L15001	PNNL-AGG-415
14392-20-2	Molybdenum 98	2.62E-1	ug/g dry	8.77E-2	12/15/08	8L15001	PNNL-AGG-415
14914-61-5	Ruthenium 101	<4.44E-2	ug/g dry	4.44E-2	12/15/08	8L15001	PNNL-AGG-415
14914-62-6	Ruthenium 102	<2.68E-2	ug/g dry	2.68E-2	12/15/08	8L15001	PNNL-AGG-415
15766-01-5	Ruthenium 104	<7.50E-2	ug/g dry	7.50E-2	12/15/08	8L15001	PNNL-AGG-415
14378-37-1	Silver 107	<6.85E-2	ug/g dry	6.85E-2	12/15/08	8L15001	PNNL-AGG-415
14378-38-2	Silver 109	<4.47E-2	ug/g dry	4.47E-2	12/15/08	8L15001	PNNL-AGG-415
14336-64-2	Cadmium 111	<4.85E-2	ug/g dry	4.85E-2	12/15/08	8L15001	PNNL-AGG-415
14041-58-8	Cadmium 114	1.73E-1	ug/g dry	1.10E-2	12/15/08	8L15001	PNNL-AGG-415
14265-72-6	Antimony 121	<7.84E-2	ug/g dry	7.84E-2	12/15/08	8L15001	PNNL-AGG-415
13966-27-3	Lead 206	3.18E0	ug/g dry	7.71E-2	12/15/08	8L15001	PNNL-AGG-415
13966-28-4	Lead 208	3.15E0	ug/g dry	3.65E-2	12/15/08	8L15001	PNNL-AGG-415
HEIS No.	**B1V997**		**Lab ID:**	**0805003-07**			
14092-98-9	Chromium 52	8.20E0	ug/g dry	1.90E-1	12/15/08	8L15001	PNNL-AGG-415
14191-84-5	Copper 63	7.52E0	ug/g dry	6.70E-1	12/15/08	8L15001	PNNL-AGG-415
14119-06-3	Copper 65	7.82E0	ug/g dry	5.97E-1	12/15/08	8L15001	PNNL-AGG-415
7440-38-2	Arsenic 75	1.64E0	ug/g dry	4.16E-1	12/15/08	8L15001	PNNL-AGG-415
14687-58-2	Selenium 82	<1.14E0	ug/g dry	1.14E0	12/15/08	8L15001	PNNL-AGG-415
14392-17-7	Molybdenum 95	<2.33E-1	ug/g dry	2.33E-1	12/15/08	8L15001	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.14E-1	ug/g dry	2.14E-1	12/15/08	8L15001	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.58E-1	ug/g dry	8.85E-2	12/15/08	8L15001	PNNL-AGG-415
14914-61-5	Ruthenium 101	<4.48E-2	ug/g dry	4.48E-2	12/15/08	8L15001	PNNL-AGG-415
14914-62-6	Ruthenium 102	<2.71E-2	ug/g dry	2.71E-2	12/15/08	8L15001	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V997**		**Lab ID:**	**0805003-07**			
15766-01-5	Ruthenium 104	<7.57E-2	ug/g dry	7.57E-2	12/15/08	8L15001	PNNL-AGG-415
14378-37-1	Silver 107	<6.91E-2	ug/g dry	6.91E-2	12/15/08	8L15001	PNNL-AGG-415
14378-38-2	Silver 109	<4.51E-2	ug/g dry	4.51E-2	12/15/08	8L15001	PNNL-AGG-415
14336-64-2	Cadmium 111	<4.89E-2	ug/g dry	4.89E-2	12/15/08	8L15001	PNNL-AGG-415
14041-58-8	Cadmium 114	9.79E-2	ug/g dry	1.11E-2	12/15/08	8L15001	PNNL-AGG-415
14265-72-6	Antimony 121	<7.91E-2	ug/g dry	7.91E-2	12/15/08	8L15001	PNNL-AGG-415
13966-27-3	Lead 206	3.15E0	ug/g dry	7.77E-2	12/15/08	8L15001	PNNL-AGG-415
13966-28-4	Lead 208	3.07E0	ug/g dry	3.68E-2	12/15/08	8L15001	PNNL-AGG-415
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**			
14092-98-9	Chromium 52	5.29E0	ug/g dry	1.89E-1	12/15/08	8L15001	PNNL-AGG-415
14191-84-5	Copper 63	9.80E0	ug/g dry	6.68E-1	12/15/08	8L15001	PNNL-AGG-415
14119-06-3	Copper 65	1.02E1	ug/g dry	5.96E-1	12/15/08	8L15001	PNNL-AGG-415
7440-38-2	Arsenic 75	7.48E-1	ug/g dry	4.15E-1	12/15/08	8L15001	PNNL-AGG-415
14687-58-2	Selenium 82	<1.14E0	ug/g dry	1.14E0	12/15/08	8L15001	PNNL-AGG-415
14392-17-7	Molybdenum 95	<2.33E-1	ug/g dry	2.33E-1	12/15/08	8L15001	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.13E-1	ug/g dry	2.13E-1	12/15/08	8L15001	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.99E-1	ug/g dry	8.83E-2	12/15/08	8L15001	PNNL-AGG-415
14914-61-5	Ruthenium 101	<4.47E-2	ug/g dry	4.47E-2	12/15/08	8L15001	PNNL-AGG-415
14914-62-6	Ruthenium 102	<2.70E-2	ug/g dry	2.70E-2	12/15/08	8L15001	PNNL-AGG-415
15766-01-5	Ruthenium 104	<7.55E-2	ug/g dry	7.55E-2	12/15/08	8L15001	PNNL-AGG-415
14378-37-1	Silver 107	<6.89E-2	ug/g dry	6.89E-2	12/15/08	8L15001	PNNL-AGG-415
14378-38-2	Silver 109	<4.50E-2	ug/g dry	4.50E-2	12/15/08	8L15001	PNNL-AGG-415
14336-64-2	Cadmium 111	<4.88E-2	ug/g dry	4.88E-2	12/15/08	8L15001	PNNL-AGG-415
14041-58-8	Cadmium 114	1.31E-1	ug/g dry	1.11E-2	12/15/08	8L15001	PNNL-AGG-415
14265-72-6	Antimony 121	<7.89E-2	ug/g dry	7.89E-2	12/15/08	8L15001	PNNL-AGG-415
13966-27-3	Lead 206	2.24E0	ug/g dry	7.76E-2	12/15/08	8L15001	PNNL-AGG-415
13966-28-4	Lead 208	2.25E0	ug/g dry	3.67E-2	12/15/08	8L15001	PNNL-AGG-415
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**			
14092-98-9	Chromium 52	4.98E0	ug/g dry	1.93E-1	12/15/08	8L15001	PNNL-AGG-415
14191-84-5	Copper 63	8.62E0	ug/g dry	6.81E-1	12/15/08	8L15001	PNNL-AGG-415
14119-06-3	Copper 65	8.98E0	ug/g dry	6.07E-1	12/15/08	8L15001	PNNL-AGG-415
7440-38-2	Arsenic 75	9.85E-1	ug/g dry	4.23E-1	12/15/08	8L15001	PNNL-AGG-415
14687-58-2	Selenium 82	<1.16E0	ug/g dry	1.16E0	12/15/08	8L15001	PNNL-AGG-415
14392-17-7	Molybdenum 95	<2.37E-1	ug/g dry	2.37E-1	12/15/08	8L15001	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.17E-1	ug/g dry	2.17E-1	12/15/08	8L15001	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.62E-1	ug/g dry	8.99E-2	12/15/08	8L15001	PNNL-AGG-415
14914-61-5	Ruthenium 101	<4.55E-2	ug/g dry	4.55E-2	12/15/08	8L15001	PNNL-AGG-415
14914-62-6	Ruthenium 102	<2.75E-2	ug/g dry	2.75E-2	12/15/08	8L15001	PNNL-AGG-415
15766-01-5	Ruthenium 104	<7.69E-2	ug/g dry	7.69E-2	12/15/08	8L15001	PNNL-AGG-415
14378-37-1	Silver 107	<7.02E-2	ug/g dry	7.02E-2	12/15/08	8L15001	PNNL-AGG-415
14378-38-2	Silver 109	<4.58E-2	ug/g dry	4.58E-2	12/15/08	8L15001	PNNL-AGG-415
14336-64-2	Cadmium 111	<4.97E-2	ug/g dry	4.97E-2	12/15/08	8L15001	PNNL-AGG-415
14041-58-8	Cadmium 114	9.98E-2	ug/g dry	1.13E-2	12/15/08	8L15001	PNNL-AGG-415
14265-72-6	Antimony 121	<8.04E-2	ug/g dry	8.04E-2	12/15/08	8L15001	PNNL-AGG-415
13966-27-3	Lead 206	2.66E0	ug/g dry	7.90E-2	12/15/08	8L15001	PNNL-AGG-415
13966-28-4	Lead 208	2.55E0	ug/g dry	3.74E-2	12/15/08	8L15001	PNNL-AGG-415
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**			
14092-98-9	Chromium 52	5.98E0	ug/g dry	1.88E-1	12/15/08	8L15001	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**			
14191-84-5	Copper 63	8.36E0	ug/g dry	6.66E-1	12/15/08	8L15001	PNNL-AGG-415
14119-06-3	Copper 65	8.50E0	ug/g dry	5.94E-1	12/15/08	8L15001	PNNL-AGG-415
7440-38-2	Arsenic 75	1.08E0	ug/g dry	4.14E-1	12/15/08	8L15001	PNNL-AGG-415
14687-58-2	Selenium 82	<1.13E0	ug/g dry	1.13E0	12/15/08	8L15001	PNNL-AGG-415
14392-17-7	Molybdenum 95	7.69E-1	ug/g dry	2.32E-1	12/15/08	8L15001	PNNL-AGG-415
14392-19-9	Molybdenum 97	7.55E-1	ug/g dry	2.13E-1	12/15/08	8L15001	PNNL-AGG-415
14392-20-2	Molybdenum 98	7.16E-1	ug/g dry	8.80E-2	12/15/08	8L15001	PNNL-AGG-415
14914-61-5	Ruthenium 101	<4.45E-2	ug/g dry	4.45E-2	12/15/08	8L15001	PNNL-AGG-415
14914-62-6	Ruthenium 102	<2.69E-2	ug/g dry	2.69E-2	12/15/08	8L15001	PNNL-AGG-415
15766-01-5	Ruthenium 104	<7.53E-2	ug/g dry	7.53E-2	12/15/08	8L15001	PNNL-AGG-415
14378-37-1	Silver 107	<6.87E-2	ug/g dry	6.87E-2	12/15/08	8L15001	PNNL-AGG-415
14378-38-2	Silver 109	<4.49E-2	ug/g dry	4.49E-2	12/15/08	8L15001	PNNL-AGG-415
14336-64-2	Cadmium 111	<4.87E-2	ug/g dry	4.87E-2	12/15/08	8L15001	PNNL-AGG-415
14041-58-8	Cadmium 114	5.57E-2	ug/g dry	1.10E-2	12/15/08	8L15001	PNNL-AGG-415
14265-72-6	Antimony 121	<7.87E-2	ug/g dry	7.87E-2	12/15/08	8L15001	PNNL-AGG-415
13966-27-3	Lead 206	2.22E0	ug/g dry	7.73E-2	12/15/08	8L15001	PNNL-AGG-415
13966-28-4	Lead 208	2.21E0	ug/g dry	3.66E-2	12/15/08	8L15001	PNNL-AGG-415
HEIS No.	**B1V9B5**		**Lab ID:**	**0805003-15**			
14092-98-9	Chromium 52	6.64E0	ug/g dry	1.84E-1	12/15/08	8L15001	PNNL-AGG-415
14191-84-5	Copper 63	6.87E0	ug/g dry	6.51E-1	12/15/08	8L15001	PNNL-AGG-415
14119-06-3	Copper 65	7.09E0	ug/g dry	5.80E-1	12/15/08	8L15001	PNNL-AGG-415
7440-38-2	Arsenic 75	1.58E0	ug/g dry	4.05E-1	12/15/08	8L15001	PNNL-AGG-415
14687-58-2	Selenium 82	<1.11E0	ug/g dry	1.11E0	12/15/08	8L15001	PNNL-AGG-415
14392-17-7	Molybdenum 95	<2.27E-1	ug/g dry	2.27E-1	12/15/08	8L15001	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.08E-1	ug/g dry	2.08E-1	12/15/08	8L15001	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.52E-1	ug/g dry	8.60E-2	12/15/08	8L15001	PNNL-AGG-415
14914-61-5	Ruthenium 101	<4.35E-2	ug/g dry	4.35E-2	12/15/08	8L15001	PNNL-AGG-415
14914-62-6	Ruthenium 102	<2.63E-2	ug/g dry	2.63E-2	12/15/08	8L15001	PNNL-AGG-415
15766-01-5	Ruthenium 104	<7.35E-2	ug/g dry	7.35E-2	12/15/08	8L15001	PNNL-AGG-415
14378-37-1	Silver 107	<6.71E-2	ug/g dry	6.71E-2	12/15/08	8L15001	PNNL-AGG-415
14378-38-2	Silver 109	<4.38E-2	ug/g dry	4.38E-2	12/15/08	8L15001	PNNL-AGG-415
14336-64-2	Cadmium 111	<4.76E-2	ug/g dry	4.76E-2	12/15/08	8L15001	PNNL-AGG-415
14041-58-8	Cadmium 114	5.78E-2	ug/g dry	1.08E-2	12/15/08	8L15001	PNNL-AGG-415
14265-72-6	Antimony 121	<7.69E-2	ug/g dry	7.69E-2	12/15/08	8L15001	PNNL-AGG-415
13966-27-3	Lead 206	2.43E0	ug/g dry	7.56E-2	12/15/08	8L15001	PNNL-AGG-415
13966-28-4	Lead 208	2.38E0	ug/g dry	3.58E-2	12/15/08	8L15001	PNNL-AGG-415
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**			
14092-98-9	Chromium 52	7.87E0	ug/g dry	1.82E-1	12/15/08	8L15001	PNNL-AGG-415
14191-84-5	Copper 63	8.18E0	ug/g dry	6.44E-1	12/15/08	8L15001	PNNL-AGG-415
14119-06-3	Copper 65	8.25E0	ug/g dry	5.74E-1	12/15/08	8L15001	PNNL-AGG-415
7440-38-2	Arsenic 75	2.14E0	ug/g dry	4.01E-1	12/15/08	8L15001	PNNL-AGG-415
14687-58-2	Selenium 82	<1.09E0	ug/g dry	1.09E0	12/15/08	8L15001	PNNL-AGG-415
14392-17-7	Molybdenum 95	<2.24E-1	ug/g dry	2.24E-1	12/15/08	8L15001	PNNL-AGG-415
14392-19-9	Molybdenum 97	2.13E-1	ug/g dry	2.06E-1	12/15/08	8L15001	PNNL-AGG-415
14392-20-2	Molybdenum 98	2.15E-1	ug/g dry	8.51E-2	12/15/08	8L15001	PNNL-AGG-415
14914-61-5	Ruthenium 101	<4.31E-2	ug/g dry	4.31E-2	12/15/08	8L15001	PNNL-AGG-415
14914-62-6	Ruthenium 102	<2.60E-2	ug/g dry	2.60E-2	12/15/08	8L15001	PNNL-AGG-415
15766-01-5	Ruthenium 104	<7.28E-2	ug/g dry	7.28E-2	12/15/08	8L15001	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**			
14378-37-1	Silver 107	<6.64E-2	ug/g dry	6.64E-2	12/15/08	8L15001	PNNL-AGG-415
14378-38-2	Silver 109	<4.34E-2	ug/g dry	4.34E-2	12/15/08	8L15001	PNNL-AGG-415
14336-64-2	Cadmium 111	<4.71E-2	ug/g dry	4.71E-2	12/15/08	8L15001	PNNL-AGG-415
14041-58-8	Cadmium 114	5.84E-2	ug/g dry	1.07E-2	12/15/08	8L15001	PNNL-AGG-415
14265-72-6	Antimony 121	<7.61E-2	ug/g dry	7.61E-2	12/15/08	8L15001	PNNL-AGG-415
13966-27-3	Lead 206	3.27E0	ug/g dry	7.48E-2	12/15/08	8L15001	PNNL-AGG-415
13966-28-4	Lead 208	3.16E0	ug/g dry	3.54E-2	12/15/08	8L15001	PNNL-AGG-415
HEIS No.	**B1V9B9**		**Lab ID:**	**0805003-19**			
14092-98-9	Chromium 52	7.41E0	ug/g dry	1.86E-1	12/15/08	8L15001	PNNL-AGG-415
14191-84-5	Copper 63	8.31E0	ug/g dry	6.57E-1	12/15/08	8L15001	PNNL-AGG-415
14119-06-3	Copper 65	8.40E0	ug/g dry	5.85E-1	12/15/08	8L15001	PNNL-AGG-415
7440-38-2	Arsenic 75	1.89E0	ug/g dry	4.08E-1	12/15/08	8L15001	PNNL-AGG-415
14687-58-2	Selenium 82	<1.12E0	ug/g dry	1.12E0	12/15/08	8L15001	PNNL-AGG-415
14392-17-7	Molybdenum 95	<2.29E-1	ug/g dry	2.29E-1	12/15/08	8L15001	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.10E-1	ug/g dry	2.10E-1	12/15/08	8L15001	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.68E-1	ug/g dry	8.68E-2	12/15/08	8L15001	PNNL-AGG-415
14914-61-5	Ruthenium 101	<4.39E-2	ug/g dry	4.39E-2	12/15/08	8L15001	PNNL-AGG-415
14914-62-6	Ruthenium 102	<2.65E-2	ug/g dry	2.65E-2	12/15/08	8L15001	PNNL-AGG-415
15766-01-5	Ruthenium 104	<7.42E-2	ug/g dry	7.42E-2	12/15/08	8L15001	PNNL-AGG-415
14378-37-1	Silver 107	<6.77E-2	ug/g dry	6.77E-2	12/15/08	8L15001	PNNL-AGG-415
14378-38-2	Silver 109	<4.42E-2	ug/g dry	4.42E-2	12/15/08	8L15001	PNNL-AGG-415
14336-64-2	Cadmium 111	<4.80E-2	ug/g dry	4.80E-2	12/15/08	8L15001	PNNL-AGG-415
14041-58-8	Cadmium 114	4.97E-2	ug/g dry	1.09E-2	12/15/08	8L15001	PNNL-AGG-415
14265-72-6	Antimony 121	<7.76E-2	ug/g dry	7.76E-2	12/15/08	8L15001	PNNL-AGG-415
13966-27-3	Lead 206	2.68E0	ug/g dry	7.62E-2	12/15/08	8L15001	PNNL-AGG-415
13966-28-4	Lead 208	2.61E0	ug/g dry	3.61E-2	12/15/08	8L15001	PNNL-AGG-415
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**			
14092-98-9	Chromium 52	7.58E0	ug/g dry	1.84E-1	12/15/08	8L15001	PNNL-AGG-415
14191-84-5	Copper 63	6.68E0	ug/g dry	6.49E-1	12/15/08	8L15001	PNNL-AGG-415
14119-06-3	Copper 65	6.80E0	ug/g dry	5.79E-1	12/15/08	8L15001	PNNL-AGG-415
7440-38-2	Arsenic 75	1.47E0	ug/g dry	4.04E-1	12/15/08	8L15001	PNNL-AGG-415
14687-58-2	Selenium 82	<1.10E0	ug/g dry	1.10E0	12/15/08	8L15001	PNNL-AGG-415
14392-17-7	Molybdenum 95	<2.26E-1	ug/g dry	2.26E-1	12/15/08	8L15001	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.07E-1	ug/g dry	2.07E-1	12/15/08	8L15001	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.36E-1	ug/g dry	8.58E-2	12/15/08	8L15001	PNNL-AGG-415
14914-61-5	Ruthenium 101	<4.34E-2	ug/g dry	4.34E-2	12/15/08	8L15001	PNNL-AGG-415
14914-62-6	Ruthenium 102	<2.62E-2	ug/g dry	2.62E-2	12/15/08	8L15001	PNNL-AGG-415
15766-01-5	Ruthenium 104	<7.33E-2	ug/g dry	7.33E-2	12/15/08	8L15001	PNNL-AGG-415
14378-37-1	Silver 107	<6.69E-2	ug/g dry	6.69E-2	12/15/08	8L15001	PNNL-AGG-415
14378-38-2	Silver 109	<4.37E-2	ug/g dry	4.37E-2	12/15/08	8L15001	PNNL-AGG-415
14336-64-2	Cadmium 111	<4.74E-2	ug/g dry	4.74E-2	12/15/08	8L15001	PNNL-AGG-415
14041-58-8	Cadmium 114	4.93E-2	ug/g dry	1.08E-2	12/15/08	8L15001	PNNL-AGG-415
14265-72-6	Antimony 121	<7.67E-2	ug/g dry	7.67E-2	12/15/08	8L15001	PNNL-AGG-415
13966-27-3	Lead 206	2.25E0	ug/g dry	7.54E-2	12/15/08	8L15001	PNNL-AGG-415
13966-28-4	Lead 208	2.18E0	ug/g dry	3.57E-2	12/15/08	8L15001	PNNL-AGG-415
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**			
14092-98-9	Chromium 52	7.19E0	ug/g dry	1.87E-1	12/15/08	8L15001	PNNL-AGG-415
14191-84-5	Copper 63	6.73E0	ug/g dry	6.63E-1	12/15/08	8L15001	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**			
14119-06-3	Copper 65	6.89E0	ug/g dry	5.90E-1	12/15/08	8L15001	PNNL-AGG-415
7440-38-2	Arsenic 75	1.31E0	ug/g dry	4.12E-1	12/15/08	8L15001	PNNL-AGG-415
14687-58-2	Selenium 82	<1.13E0	ug/g dry	1.13E0	12/15/08	8L15001	PNNL-AGG-415
14392-17-7	Molybdenum 95	<2.31E-1	ug/g dry	2.31E-1	12/15/08	8L15001	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.11E-1	ug/g dry	2.11E-1	12/15/08	8L15001	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.22E-1	ug/g dry	8.75E-2	12/15/08	8L15001	PNNL-AGG-415
14914-61-5	Ruthenium 101	<4.43E-2	ug/g dry	4.43E-2	12/15/08	8L15001	PNNL-AGG-415
14914-62-6	Ruthenium 102	<2.68E-2	ug/g dry	2.68E-2	12/15/08	8L15001	PNNL-AGG-415
15766-01-5	Ruthenium 104	<7.48E-2	ug/g dry	7.48E-2	12/15/08	8L15001	PNNL-AGG-415
14378-37-1	Silver 107	<6.83E-2	ug/g dry	6.83E-2	12/15/08	8L15001	PNNL-AGG-415
14378-38-2	Silver 109	<4.46E-2	ug/g dry	4.46E-2	12/15/08	8L15001	PNNL-AGG-415
14336-64-2	Cadmium 111	<4.84E-2	ug/g dry	4.84E-2	12/15/08	8L15001	PNNL-AGG-415
14041-58-8	Cadmium 114	4.30E-2	ug/g dry	1.10E-2	12/15/08	8L15001	PNNL-AGG-415
14265-72-6	Antimony 121	<7.83E-2	ug/g dry	7.83E-2	12/15/08	8L15001	PNNL-AGG-415
13966-27-3	Lead 206	2.45E0	ug/g dry	7.69E-2	12/15/08	8L15001	PNNL-AGG-415
13966-28-4	Lead 208	2.29E0	ug/g dry	3.64E-2	12/15/08	8L15001	PNNL-AGG-415
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**			
14092-98-9	Chromium 52	7.12E0	ug/g dry	1.85E-1	12/15/08	8L15001	PNNL-AGG-415
14191-84-5	Copper 63	8.51E0	ug/g dry	6.53E-1	12/15/08	8L15001	PNNL-AGG-415
14119-06-3	Copper 65	8.60E0	ug/g dry	5.82E-1	12/15/08	8L15001	PNNL-AGG-415
7440-38-2	Arsenic 75	1.49E0	ug/g dry	4.06E-1	12/15/08	8L15001	PNNL-AGG-415
14687-58-2	Selenium 82	<1.11E0	ug/g dry	1.11E0	12/15/08	8L15001	PNNL-AGG-415
14392-17-7	Molybdenum 95	<2.27E-1	ug/g dry	2.27E-1	12/15/08	8L15001	PNNL-AGG-415
14392-19-9	Molybdenum 97	<2.08E-1	ug/g dry	2.08E-1	12/15/08	8L15001	PNNL-AGG-415
14392-20-2	Molybdenum 98	1.89E-1	ug/g dry	8.63E-2	12/15/08	8L15001	PNNL-AGG-415
14914-61-5	Ruthenium 101	<4.37E-2	ug/g dry	4.37E-2	12/15/08	8L15001	PNNL-AGG-415
14914-62-6	Ruthenium 102	<2.64E-2	ug/g dry	2.64E-2	12/15/08	8L15001	PNNL-AGG-415
15766-01-5	Ruthenium 104	<7.38E-2	ug/g dry	7.38E-2	12/15/08	8L15001	PNNL-AGG-415
14378-37-1	Silver 107	<6.73E-2	ug/g dry	6.73E-2	12/15/08	8L15001	PNNL-AGG-415
14378-38-2	Silver 109	<4.40E-2	ug/g dry	4.40E-2	12/15/08	8L15001	PNNL-AGG-415
14336-64-2	Cadmium 111	<4.77E-2	ug/g dry	4.77E-2	12/15/08	8L15001	PNNL-AGG-415
14041-58-8	Cadmium 114	4.79E-2	ug/g dry	1.08E-2	12/15/08	8L15001	PNNL-AGG-415
14265-72-6	Antimony 121	<7.72E-2	ug/g dry	7.72E-2	12/15/08	8L15001	PNNL-AGG-415
13966-27-3	Lead 206	2.53E0	ug/g dry	7.58E-2	12/15/08	8L15001	PNNL-AGG-415
13966-28-4	Lead 208	2.46E0	ug/g dry	3.59E-2	12/15/08	8L15001	PNNL-AGG-415

Carbon Analysis/Soil

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0805003-03	B1V993	5.18E2	2.00E2	1/13/09	[CALC]
0805003-05	B1V995	2.89E2	2.00E2	1/13/09	[CALC]
0805003-07	B1V997	4.49E2	2.00E2	1/13/09	[CALC]
0805003-09	B1V999	<2.00E2	2.00E2	1/13/09	[CALC]
0805003-11	B1V9B1	<2.00E2	2.00E2	1/13/09	[CALC]
0805003-13	B1V9B3	<2.00E2	2.00E2	1/13/09	[CALC]
0805003-15	B1V9B5	<2.00E2	2.00E2	1/13/09	[CALC]
0805003-17	B1V9B7	<2.00E2	2.00E2	1/13/09	[CALC]
0805003-19	B1V9B9	<2.00E2	2.00E2	1/13/09	[CALC]
0805003-21	B1V9C1	<2.00E2	2.00E2	1/13/09	[CALC]
0805003-23	B1V9C3	<2.00E2	2.00E2	1/13/09	[CALC]
0805003-25	B1V2V5	<2.00E2	2.00E2	1/13/09	[CALC]

Carbon Analysis/Soil

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0805003-03	B1V993	1.39E3	2.00E2	1/12/09	9A12001
0805003-05	B1V995	2.00E3	2.00E2	1/12/09	9A12001
0805003-07	B1V997	2.17E3	2.00E2	1/12/09	9A12001
0805003-09	B1V999	1.20E3	2.00E2	1/12/09	9A12001
0805003-11	B1V9B1	1.42E3	2.00E2	1/12/09	9A12001
0805003-13	B1V9B3	1.36E3	2.00E2	1/12/09	9A12001
0805003-15	B1V9B5	2.43E3	2.00E2	1/12/09	9A12001
0805003-17	B1V9B7	2.47E3	2.00E2	1/12/09	9A12001
0805003-19	B1V9B9	2.30E3	2.00E2	1/12/09	9A12001
0805003-21	B1V9C1	2.76E3	2.00E2	1/12/09	9A12001
0805003-23	B1V9C3	1.74E3	2.00E2	1/12/09	9A12001
0805003-25	B1V2V5	2.03E3	2.00E2	1/12/09	9A12001

Carbon Analysis/Soil

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0805003-03	B1V993	8.71E2	2.00E2	1/13/09	9A13003
0805003-05	B1V995	1.71E3	2.00E2	1/13/09	9A13003
0805003-07	B1V997	1.72E3	2.00E2	1/13/09	9A13003
0805003-09	B1V999	1.02E3	2.00E2	1/13/09	9A13003
0805003-11	B1V9B1	1.68E3	2.00E2	1/13/09	9A13003
0805003-13	B1V9B3	1.31E3	2.00E2	1/13/09	9A13003
0805003-15	B1V9B5	2.66E3	2.00E2	1/13/09	9A13003
0805003-17	B1V9B7	2.71E3	2.00E2	1/13/09	9A13003
0805003-19	B1V9B9	2.55E3	2.00E2	1/13/09	9A13003
0805003-21	B1V9C1	3.02E3	2.00E2	1/13/09	9A13003
0805003-23	B1V9C3	1.80E3	2.00E2	1/13/09	9A13003
0805003-25	B1V2V5	2.16E3	2.00E2	1/13/09	9A13003

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V993**		**Lab ID:**	**0805003-03**				
13966-32-0	Sodium-22	<1.57E-1	pCi/g dry	1.57E-1		12/15/08	8L09007	AGG-RRL-001
13966-00-2	Potassium-40	1.86E1	pCi/g dry	1.36E0	7.50E-1	12/15/08	8L09007	AGG-RRL-001
14392-02-0	Chromium-51	<1.54E0	pCi/g dry	1.54E0		12/15/08	8L09007	AGG-RRL-001
13966-31-9	Manganese-54	<1.36E-1	pCi/g dry	1.36E-1		12/15/08	8L09007	AGG-RRL-001
13981-50-5	Cobalt-57	<1.78E-1	pCi/g dry	1.78E-1		12/15/08	8L09007	AGG-RRL-001
14596-12-4	Iron-59	<2.89E-1	pCi/g dry	2.89E-1		12/15/08	8L09007	AGG-RRL-001
10198-40-0	Cobalt-60	<1.38E-1	pCi/g dry	1.38E-1		12/15/08	8L09007	AGG-RRL-001
13982-39-3	Zinc-65	<3.37E-1	pCi/g dry	3.37E-1		12/15/08	8L09007	AGG-RRL-001
14265-71-5	Selenium-75	<2.71E-1	pCi/g dry	2.71E-1		12/15/08	8L09007	AGG-RRL-001
17056-36-9	Rubidium-83	<2.95E-1	pCi/g dry	2.95E-1		12/15/08	8L09007	AGG-RRL-001
13967-73-2	Strontium-85	<1.85E-1	pCi/g dry	1.85E-1		12/15/08	8L09007	AGG-RRL-001
14932-53-7	Rubidium-86	<1.81E0	pCi/g dry	1.81E0		12/15/08	8L09007	AGG-RRL-001
13982-36-0	Yttrium-88	<1.03E-1	pCi/g dry	1.03E-1		12/15/08	8L09007	AGG-RRL-001
14681-63-1	Niobium-94	<1.39E-1	pCi/g dry	1.39E-1		12/15/08	8L09007	AGG-RRL-001
13967-76-5	Niobium-95	<1.40E-1	pCi/g dry	1.40E-1		12/15/08	8L09007	AGG-RRL-001
	Niobium-95m	<7.73E-1	pCi/g dry	7.73E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-95m	<2.66E-1	pCi/g dry	2.66E-1		12/15/08	8L09007	AGG-RRL-001
13967-71-0	Zirconium-95	<2.56E-1	pCi/g dry	2.56E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-99m	<1.70E-1	pCi/g dry	1.70E-1		12/15/08	8L09007	AGG-RRL-001
13968-53-1	Ruthenium-103	<1.70E-1	pCi/g dry	1.70E-1		12/15/08	8L09007	AGG-RRL-001
13967-48-1	Ruthenium-106	<1.50E0	pCi/g dry	1.50E0		12/15/08	8L09007	AGG-RRL-001
14391-65-2	Silver-108m	<1.58E-1	pCi/g dry	1.58E-1		12/15/08	8L09007	AGG-RRL-001
14109-32-1	Cadmium-109	<5.14E0	pCi/g dry	5.14E0		12/15/08	8L09007	AGG-RRL-001
	Silver-110	<1.73E-1	pCi/g dry	1.73E-1		12/15/08	8L09007	AGG-RRL-001
14391-76-5	Silver-110m	<1.73E-1	pCi/g dry	1.73E-1		12/15/08	8L09007	AGG-RRL-001
13966-06-8	Tin-113	<2.29E-1	pCi/g dry	2.29E-1		12/15/08	8L09007	AGG-RRL-001
14683-10-4	Antimony-124	<1.55E-1	pCi/g dry	1.55E-1		12/15/08	8L09007	AGG-RRL-001
14234-35-6	Antimony-125	<5.08E-1	pCi/g dry	5.08E-1		12/15/08	8L09007	AGG-RRL-001
15756-32-8	Antimony-126	<1.91E-1	pCi/g dry	1.91E-1		12/15/08	8L09007	AGG-RRL-001
15832-50-5	Tin-126	<4.10E-1	pCi/g dry	4.10E-1		12/15/08	8L09007	AGG-RRL-001
10043-66-0	Iodine-131	<1.84E-1	pCi/g dry	1.84E-1		12/15/08	8L09007	AGG-RRL-001
13981-41-4	Barium-133	<3.08E-1	pCi/g dry	3.08E-1		12/15/08	8L09007	AGG-RRL-001
13967-70-9	Cesium-134	<1.61E-1	pCi/g dry	1.61E-1		12/15/08	8L09007	AGG-RRL-001
10045-97-3	Cesium-137	1.40E0	pCi/g dry	1.58E-1	6.05E-2	12/15/08	8L09007	AGG-RRL-001
13982-30-4	Cerium-139	<1.99E-1	pCi/g dry	1.99E-1		12/15/08	8L09007	AGG-RRL-001
14762-78-8	Cerium-144	<1.38E0	pCi/g dry	1.38E0		12/15/08	8L09007	AGG-RRL-001
14683-23-9	Europium-152	<6.10E-1	pCi/g dry	6.10E-1		12/15/08	8L09007	AGG-RRL-001
14276-65-4	Gadolinium-153	<5.48E-1	pCi/g dry	5.48E-1		12/15/08	8L09007	AGG-RRL-001
15585-10-1	Europium-154	<3.80E-1	pCi/g dry	3.80E-1		12/15/08	8L09007	AGG-RRL-001
14391-16-3	Europium-155	<5.77E-1	pCi/g dry	5.77E-1		12/15/08	8L09007	AGG-RRL-001
13982-78-0	Mercury-203	<2.04E-1	pCi/g dry	2.04E-1		12/15/08	8L09007	AGG-RRL-001
14913-50-9	Thallium-208	2.02E-1	pCi/g dry	1.63E-1	3.76E-2	12/15/08	8L09007	AGG-RRL-001
14331-79-4	Bismuth-210	<3.22E-1	pCi/g dry	3.22E-1		12/15/08	8L09007	AGG-RRL-001
14255-04-0	Lead-210	<7.02E1	pCi/g dry	7.02E1		12/15/08	8L09007	AGG-RRL-001
	Bismuth-211	<3.75E0	pCi/g dry	3.75E0		12/15/08	8L09007	AGG-RRL-001
	Lead-211	<4.86E0	pCi/g dry	4.86E0		12/15/08	8L09007	AGG-RRL-001
15092-94-1	Lead-212	6.30E-1	pCi/g dry	3.59E-1	8.43E-2	12/15/08	8L09007	AGG-RRL-001
14733-03-0	Bismuth-214	<4.07E-1	pCi/g dry	4.07E-1		12/15/08	8L09007	AGG-RRL-001
15067-28-4	Lead-214	<4.97E-1	pCi/g dry	4.97E-1		12/15/08	8L09007	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V993**		**Lab ID:**	**0805003-03**				
14835-02-0	Radon-219	<1.64E0	pCi/g dry	1.64E0		12/15/08	8L09007	AGG-RRL-001
22481-48-7	Radon-220	<1.38E2	pCi/g dry	1.38E2		12/15/08	8L09007	AGG-RRL-001
28522-20-5	Radon-221	<7.69E-1	pCi/g dry	7.69E-1		12/15/08	8L09007	AGG-RRL-001
15756-98-6	Francium-223	<5.63E0	pCi/g dry	5.63E0		12/15/08	8L09007	AGG-RRL-001
15623-45-7	Radium-223	<1.18E0	pCi/g dry	1.18E0		12/15/08	8L09007	AGG-RRL-001
13233-32-4	Radium-224	<4.95E0	pCi/g dry	4.95E0		12/15/08	8L09007	AGG-RRL-001
13982-63-3	Radium-226	<4.75E0	pCi/g dry	4.75E0		12/15/08	8L09007	AGG-RRL-001
15623-47-9	Thorium-227	<1.73E0	pCi/g dry	1.73E0		12/15/08	8L09007	AGG-RRL-001
14331-83-0	Actinium-228	<6.60E-1	pCi/g dry	6.60E-1		12/15/08	8L09007	AGG-RRL-001
14274-82-9	Thorium-228	<6.00E1	pCi/g dry	6.00E1		12/15/08	8L09007	AGG-RRL-001
14269-63-7	Thorium-230	<7.74E1	pCi/g dry	7.74E1		12/15/08	8L09007	AGG-RRL-001
14331-85-2	Protactinium-231	<6.80E0	pCi/g dry	6.80E0		12/15/08	8L09007	AGG-RRL-001
14932-40-2	Thorium-231	<3.86E1	pCi/g dry	3.86E1		12/15/08	8L09007	AGG-RRL-001
7440-29-1	Thorium 232	<2.41E2	pCi/g dry	2.41E2		12/15/08	8L09007	AGG-RRL-001
13981-14-1	Protactinium-233	<4.38E-1	pCi/g dry	4.38E-1		12/15/08	8L09007	AGG-RRL-001
15100-28-4	Protactinium-234	<7.10E-1	pCi/g dry	7.10E-1		12/15/08	8L09007	AGG-RRL-001
	Protactinium-234m	<1.73E1	pCi/g dry	1.73E1		12/15/08	8L09007	AGG-RRL-001
15065-10-8	Thorium-234	<6.48E0	pCi/g dry	6.48E0		12/15/08	8L09007	AGG-RRL-001
15117-96-1	Uranium 235	<1.44E0	pCi/g dry	1.44E0		12/15/08	8L09007	AGG-RRL-001
13994-20-2	Neptunium-237	<1.50E0	pCi/g dry	1.50E0		12/15/08	8L09007	AGG-RRL-001
13981-16-3	Plutonium-238	<2.19E3	pCi/g dry	2.19E3		12/15/08	8L09007	AGG-RRL-001
	Uranium 238	<3.36E0	pCi/g dry	3.36E0		12/15/08	8L09007	AGG-RRL-001
15117-48-3	Plutonium-239	<2.42E3	pCi/g dry	2.42E3		12/15/08	8L09007	AGG-RRL-001
14119-33-6	Plutonium-240	<2.22E3	pCi/g dry	2.22E3		12/15/08	8L09007	AGG-RRL-001
14596-10-2	Americium-241	<1.20E0	pCi/g dry	1.20E0		12/15/08	8L09007	AGG-RRL-001
14993-75-0	Americium-243	<4.21E-1	pCi/g dry	4.21E-1		12/15/08	8L09007	AGG-RRL-001
15757-87-6	Curium-243	<6.78E-1	pCi/g dry	6.78E-1		12/15/08	8L09007	AGG-RRL-001
15621-76-8	Curium-245	<5.57E-1	pCi/g dry	5.57E-1		12/15/08	8L09007	AGG-RRL-001
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**				
13966-32-0	Sodium-22	<1.85E-1	pCi/g dry	1.85E-1		12/15/08	8L09007	AGG-RRL-001
13966-00-2	Potassium-40	1.39E1	pCi/g dry	1.52E0	6.71E-1	12/15/08	8L09007	AGG-RRL-001
14392-02-0	Chromium-51	<1.89E0	pCi/g dry	1.89E0		12/15/08	8L09007	AGG-RRL-001
13966-31-9	Manganese-54	<1.85E-1	pCi/g dry	1.85E-1		12/15/08	8L09007	AGG-RRL-001
13981-50-5	Cobalt-57	<2.18E-1	pCi/g dry	2.18E-1		12/15/08	8L09007	AGG-RRL-001
14596-12-4	Iron-59	<3.57E-1	pCi/g dry	3.57E-1		12/15/08	8L09007	AGG-RRL-001
10198-40-0	Cobalt-60	<1.69E-1	pCi/g dry	1.69E-1		12/15/08	8L09007	AGG-RRL-001
13982-39-3	Zinc-65	<4.32E-1	pCi/g dry	4.32E-1		12/15/08	8L09007	AGG-RRL-001
14265-71-5	Selenium-75	<3.02E-1	pCi/g dry	3.02E-1		12/15/08	8L09007	AGG-RRL-001
17056-36-9	Rubidium-83	<4.74E-1	pCi/g dry	4.74E-1		12/15/08	8L09007	AGG-RRL-001
13967-73-2	Strontium-85	<2.23E-1	pCi/g dry	2.23E-1		12/15/08	8L09007	AGG-RRL-001
14932-53-7	Rubidium-86	<2.26E0	pCi/g dry	2.26E0		12/15/08	8L09007	AGG-RRL-001
13982-36-0	Yttrium-88	<1.29E-1	pCi/g dry	1.29E-1		12/15/08	8L09007	AGG-RRL-001
14681-63-1	Niobium-94	<1.77E-1	pCi/g dry	1.77E-1		12/15/08	8L09007	AGG-RRL-001
13967-76-5	Niobium-95	<1.87E-1	pCi/g dry	1.87E-1		12/15/08	8L09007	AGG-RRL-001
	Niobium-95m	<8.83E-1	pCi/g dry	8.83E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-95m	<3.09E-1	pCi/g dry	3.09E-1		12/15/08	8L09007	AGG-RRL-001
13967-71-0	Zirconium-95	<3.24E-1	pCi/g dry	3.24E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-99m	<2.11E-1	pCi/g dry	2.11E-1		12/15/08	8L09007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**				
13968-53-1	Ruthenium-103	<2.16E-1	pCi/g dry	2.16E-1		12/15/08	8L09007	AGG-RRL-001
13967-48-1	Ruthenium-106	<2.14E0	pCi/g dry	2.14E0		12/15/08	8L09007	AGG-RRL-001
14391-65-2	Silver-108m	<1.91E-1	pCi/g dry	1.91E-1		12/15/08	8L09007	AGG-RRL-001
14109-32-1	Cadmium-109	<6.63E0	pCi/g dry	6.63E0		12/15/08	8L09007	AGG-RRL-001
	Silver-110	<2.26E-1	pCi/g dry	2.26E-1		12/15/08	8L09007	AGG-RRL-001
14391-76-5	Silver-110m	<2.27E-1	pCi/g dry	2.27E-1		12/15/08	8L09007	AGG-RRL-001
13966-06-8	Tin-113	<2.81E-1	pCi/g dry	2.81E-1		12/15/08	8L09007	AGG-RRL-001
14683-10-4	Antimony-124	<2.30E-1	pCi/g dry	2.30E-1		12/15/08	8L09007	AGG-RRL-001
14234-35-6	Antimony-125	<6.16E-1	pCi/g dry	6.16E-1		12/15/08	8L09007	AGG-RRL-001
15756-32-8	Antimony-126	<2.10E-1	pCi/g dry	2.10E-1		12/15/08	8L09007	AGG-RRL-001
15832-50-5	Tin-126	<5.42E-1	pCi/g dry	5.42E-1		12/15/08	8L09007	AGG-RRL-001
10043-66-0	Iodine-131	<2.46E-1	pCi/g dry	2.46E-1		12/15/08	8L09007	AGG-RRL-001
13981-41-4	Barium-133	<3.50E-1	pCi/g dry	3.50E-1		12/15/08	8L09007	AGG-RRL-001
13967-70-9	Cesium-134	<2.12E-1	pCi/g dry	2.12E-1		12/15/08	8L09007	AGG-RRL-001
10045-97-3	Cesium-137	<2.49E-1	pCi/g dry	2.49E-1		12/15/08	8L09007	AGG-RRL-001
13982-30-4	Cerium-139	<2.40E-1	pCi/g dry	2.40E-1		12/15/08	8L09007	AGG-RRL-001
14762-78-8	Cerium-144	<1.74E0	pCi/g dry	1.74E0		12/15/08	8L09007	AGG-RRL-001
14683-23-9	Europium-152	<8.09E-1	pCi/g dry	8.09E-1		12/15/08	8L09007	AGG-RRL-001
14276-65-4	Gadolinium-153	<7.09E-1	pCi/g dry	7.09E-1		12/15/08	8L09007	AGG-RRL-001
15585-10-1	Europium-154	<4.64E-1	pCi/g dry	4.64E-1		12/15/08	8L09007	AGG-RRL-001
14391-16-3	Europium-155	<7.69E-1	pCi/g dry	7.69E-1		12/15/08	8L09007	AGG-RRL-001
13982-78-0	Mercury-203	<2.42E-1	pCi/g dry	2.42E-1		12/15/08	8L09007	AGG-RRL-001
14913-50-9	Thallium-208	<2.46E-1	pCi/g dry	2.46E-1		12/15/08	8L09007	AGG-RRL-001
14331-79-4	Bismuth-210	<3.60E-1	pCi/g dry	3.60E-1		12/15/08	8L09007	AGG-RRL-001
14255-04-0	Lead-210	<4.00E1	pCi/g dry	4.00E1		12/15/08	8L09007	AGG-RRL-001
	Bismuth-211	<4.36E0	pCi/g dry	4.36E0		12/15/08	8L09007	AGG-RRL-001
	Lead-211	<5.97E0	pCi/g dry	5.97E0		12/15/08	8L09007	AGG-RRL-001
15092-94-1	Lead-212	<5.13E-1	pCi/g dry	5.13E-1		12/15/08	8L09007	AGG-RRL-001
14733-03-0	Bismuth-214	<4.84E-1	pCi/g dry	4.84E-1		12/15/08	8L09007	AGG-RRL-001
15067-28-4	Lead-214	<5.60E-1	pCi/g dry	5.60E-1		12/15/08	8L09007	AGG-RRL-001
14835-02-0	Radon-219	<1.88E0	pCi/g dry	1.88E0		12/15/08	8L09007	AGG-RRL-001
22481-48-7	Radon-220	<1.81E2	pCi/g dry	1.81E2		12/15/08	8L09007	AGG-RRL-001
28522-20-5	Radon-221	<9.33E-1	pCi/g dry	9.33E-1		12/15/08	8L09007	AGG-RRL-001
15756-98-6	Francium-223	<6.49E0	pCi/g dry	6.49E0		12/15/08	8L09007	AGG-RRL-001
15623-45-7	Radium-223	<1.34E0	pCi/g dry	1.34E0		12/15/08	8L09007	AGG-RRL-001
13233-32-4	Radium-224	<5.58E0	pCi/g dry	5.58E0		12/15/08	8L09007	AGG-RRL-001
13982-63-3	Radium-226	<5.75E0	pCi/g dry	5.75E0		12/15/08	8L09007	AGG-RRL-001
15623-47-9	Thorium-227	<1.97E0	pCi/g dry	1.97E0		12/15/08	8L09007	AGG-RRL-001
14331-83-0	Actinium-228	<7.97E-1	pCi/g dry	7.97E-1		12/15/08	8L09007	AGG-RRL-001
14274-82-9	Thorium-228	<7.10E1	pCi/g dry	7.10E1		12/15/08	8L09007	AGG-RRL-001
14269-63-7	Thorium-230	<9.47E1	pCi/g dry	9.47E1		12/15/08	8L09007	AGG-RRL-001
14331-85-2	Protactinium-231	<8.63E0	pCi/g dry	8.63E0		12/15/08	8L09007	AGG-RRL-001
14932-40-2	Thorium-231	<4.95E1	pCi/g dry	4.95E1		12/15/08	8L09007	AGG-RRL-001
7440-29-1	Thorium 232	<2.50E2	pCi/g dry	2.50E2		12/15/08	8L09007	AGG-RRL-001
13981-14-1	Protactinium-233	<5.25E-1	pCi/g dry	5.25E-1		12/15/08	8L09007	AGG-RRL-001
15100-28-4	Protactinium-234	<9.18E-1	pCi/g dry	9.18E-1		12/15/08	8L09007	AGG-RRL-001
	Protactinium-234m	<2.21E1	pCi/g dry	2.21E1		12/15/08	8L09007	AGG-RRL-001
15065-10-8	Thorium-234	<8.08E0	pCi/g dry	8.08E0		12/15/08	8L09007	AGG-RRL-001
15117-96-1	Uranium 235	<1.77E0	pCi/g dry	1.77E0		12/15/08	8L09007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**				
13994-20-2	Neptunium-237	<2.00E0	pCi/g dry	2.00E0		12/15/08	8L09007	AGG-RRL-001
13981-16-3	Plutonium-238	<2.88E3	pCi/g dry	2.88E3		12/15/08	8L09007	AGG-RRL-001
	Uranium 238	<4.17E0	pCi/g dry	4.17E0		12/15/08	8L09007	AGG-RRL-001
15117-48-3	Plutonium-239	<3.02E3	pCi/g dry	3.02E3		12/15/08	8L09007	AGG-RRL-001
14119-33-6	Plutonium-240	<2.84E3	pCi/g dry	2.84E3		12/15/08	8L09007	AGG-RRL-001
14596-10-2	Americium-241	<1.28E0	pCi/g dry	1.28E0		12/15/08	8L09007	AGG-RRL-001
14993-75-0	Americium-243	<5.03E-1	pCi/g dry	5.03E-1		12/15/08	8L09007	AGG-RRL-001
15757-87-6	Curium-243	<8.66E-1	pCi/g dry	8.66E-1		12/15/08	8L09007	AGG-RRL-001
15621-76-8	Curium-245	<7.11E-1	pCi/g dry	7.11E-1		12/15/08	8L09007	AGG-RRL-001
HEIS No.	**B1V997**		**Lab ID:**	**0805003-07**				
13966-32-0	Sodium-22	<1.98E-1	pCi/g dry	1.98E-1		12/15/08	8L09007	AGG-RRL-001
13966-00-2	Potassium-40	1.64E1	pCi/g dry	1.39E0	7.73E-1	12/15/08	8L09007	AGG-RRL-001
14392-02-0	Chromium-51	<1.86E0	pCi/g dry	1.86E0		12/15/08	8L09007	AGG-RRL-001
13966-31-9	Manganese-54	<1.93E-1	pCi/g dry	1.93E-1		12/15/08	8L09007	AGG-RRL-001
13981-50-5	Cobalt-57	<2.27E-1	pCi/g dry	2.27E-1		12/15/08	8L09007	AGG-RRL-001
14596-12-4	Iron-59	<3.49E-1	pCi/g dry	3.49E-1		12/15/08	8L09007	AGG-RRL-001
10198-40-0	Cobalt-60	<1.81E-1	pCi/g dry	1.81E-1		12/15/08	8L09007	AGG-RRL-001
13982-39-3	Zinc-65	<4.67E-1	pCi/g dry	4.67E-1		12/15/08	8L09007	AGG-RRL-001
14265-71-5	Selenium-75	<3.31E-1	pCi/g dry	3.31E-1		12/15/08	8L09007	AGG-RRL-001
17056-36-9	Rubidium-83	<3.73E-1	pCi/g dry	3.73E-1		12/15/08	8L09007	AGG-RRL-001
13967-73-2	Strontium-85	<2.58E-1	pCi/g dry	2.58E-1		12/15/08	8L09007	AGG-RRL-001
14932-53-7	Rubidium-86	<2.24E0	pCi/g dry	2.24E0		12/15/08	8L09007	AGG-RRL-001
13982-36-0	Yttrium-88	<1.33E-1	pCi/g dry	1.33E-1		12/15/08	8L09007	AGG-RRL-001
14681-63-1	Niobium-94	<1.86E-1	pCi/g dry	1.86E-1		12/15/08	8L09007	AGG-RRL-001
13967-76-5	Niobium-95	<1.81E-1	pCi/g dry	1.81E-1		12/15/08	8L09007	AGG-RRL-001
	Niobium-95m	<9.98E-1	pCi/g dry	9.98E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-95m	<3.36E-1	pCi/g dry	3.36E-1		12/15/08	8L09007	AGG-RRL-001
13967-71-0	Zirconium-95	<3.10E-1	pCi/g dry	3.10E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-99m	<2.21E-1	pCi/g dry	2.21E-1		12/15/08	8L09007	AGG-RRL-001
13968-53-1	Ruthenium-103	<1.98E-1	pCi/g dry	1.98E-1		12/15/08	8L09007	AGG-RRL-001
13967-48-1	Ruthenium-106	<1.88E0	pCi/g dry	1.88E0		12/15/08	8L09007	AGG-RRL-001
14391-65-2	Silver-108m	<2.01E-1	pCi/g dry	2.01E-1		12/15/08	8L09007	AGG-RRL-001
14109-32-1	Cadmium-109	<6.73E0	pCi/g dry	6.73E0		12/15/08	8L09007	AGG-RRL-001
	Silver-110	<1.91E-1	pCi/g dry	1.91E-1		12/15/08	8L09007	AGG-RRL-001
14391-76-5	Silver-110m	<1.93E-1	pCi/g dry	1.93E-1		12/15/08	8L09007	AGG-RRL-001
13966-06-8	Tin-113	<2.76E-1	pCi/g dry	2.76E-1		12/15/08	8L09007	AGG-RRL-001
14683-10-4	Antimony-124	<1.83E-1	pCi/g dry	1.83E-1		12/15/08	8L09007	AGG-RRL-001
14234-35-6	Antimony-125	<6.34E-1	pCi/g dry	6.34E-1		12/15/08	8L09007	AGG-RRL-001
15756-32-8	Antimony-126	<1.74E-1	pCi/g dry	1.74E-1		12/15/08	8L09007	AGG-RRL-001
15832-50-5	Tin-126	<5.38E-1	pCi/g dry	5.38E-1		12/15/08	8L09007	AGG-RRL-001
10043-66-0	Iodine-131	<2.28E-1	pCi/g dry	2.28E-1		12/15/08	8L09007	AGG-RRL-001
13981-41-4	Barium-133	<3.88E-1	pCi/g dry	3.88E-1		12/15/08	8L09007	AGG-RRL-001
13967-70-9	Cesium-134	<2.15E-1	pCi/g dry	2.15E-1		12/15/08	8L09007	AGG-RRL-001
10045-97-3	Cesium-137	<2.16E-1	pCi/g dry	2.16E-1		12/15/08	8L09007	AGG-RRL-001
13982-30-4	Cerium-139	<2.50E-1	pCi/g dry	2.50E-1		12/15/08	8L09007	AGG-RRL-001
14762-78-8	Cerium-144	<1.80E0	pCi/g dry	1.80E0		12/15/08	8L09007	AGG-RRL-001
14683-23-9	Europium-152	<7.64E-1	pCi/g dry	7.64E-1		12/15/08	8L09007	AGG-RRL-001
14276-65-4	Gadolinium-153	<6.91E-1	pCi/g dry	6.91E-1		12/15/08	8L09007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V997**		**Lab ID:**	**0805003-07**				
15585-10-1	Europium-154	<4.79E-1	pCi/g dry	4.79E-1		12/15/08	8L09007	AGG-RRL-001
14391-16-3	Europium-155	<7.54E-1	pCi/g dry	7.54E-1		12/15/08	8L09007	AGG-RRL-001
13982-78-0	Mercury-203	<2.52E-1	pCi/g dry	2.52E-1		12/15/08	8L09007	AGG-RRL-001
14913-50-9	Thallium-208	2.03E-1	pCi/g dry	1.93E-1	4.26E-2	12/15/08	8L09007	AGG-RRL-001
14331-79-4	Bismuth-210	<3.95E-1	pCi/g dry	3.95E-1		12/15/08	8L09007	AGG-RRL-001
14255-04-0	Lead-210	<9.06E1	pCi/g dry	9.06E1		12/15/08	8L09007	AGG-RRL-001
	Bismuth-211	<4.65E0	pCi/g dry	4.65E0		12/15/08	8L09007	AGG-RRL-001
	Lead-211	<6.35E0	pCi/g dry	6.35E0		12/15/08	8L09007	AGG-RRL-001
15092-94-1	Lead-212	8.55E-1	pCi/g dry	3.56E-1	1.63E-1	12/15/08	8L09007	AGG-RRL-001
14733-03-0	Bismuth-214	<4.93E-1	pCi/g dry	4.93E-1		12/15/08	8L09007	AGG-RRL-001
15067-28-4	Lead-214	1.19E0	pCi/g dry	5.40E-1	4.07E-1	12/15/08	8L09007	AGG-RRL-001
14835-02-0	Radon-219	<1.99E0	pCi/g dry	1.99E0		12/15/08	8L09007	AGG-RRL-001
22481-48-7	Radon-220	<1.66E2	pCi/g dry	1.66E2		12/15/08	8L09007	AGG-RRL-001
28522-20-5	Radon-221	<9.68E-1	pCi/g dry	9.68E-1		12/15/08	8L09007	AGG-RRL-001
15756-98-6	Francium-223	<7.22E0	pCi/g dry	7.22E0		12/15/08	8L09007	AGG-RRL-001
15623-45-7	Radium-223	<1.45E0	pCi/g dry	1.45E0		12/15/08	8L09007	AGG-RRL-001
13233-32-4	Radium-224	<3.94E0	pCi/g dry	3.94E0		12/15/08	8L09007	AGG-RRL-001
13982-63-3	Radium-226	<5.97E0	pCi/g dry	5.97E0		12/15/08	8L09007	AGG-RRL-001
15623-47-9	Thorium-227	<2.23E0	pCi/g dry	2.23E0		12/15/08	8L09007	AGG-RRL-001
14331-83-0	Actinium-228	<8.83E-1	pCi/g dry	8.83E-1		12/15/08	8L09007	AGG-RRL-001
14274-82-9	Thorium-228	<7.70E1	pCi/g dry	7.70E1		12/15/08	8L09007	AGG-RRL-001
14269-63-7	Thorium-230	<1.01E2	pCi/g dry	1.01E2		12/15/08	8L09007	AGG-RRL-001
14331-85-2	Protactinium-231	<8.31E0	pCi/g dry	8.31E0		12/15/08	8L09007	AGG-RRL-001
14932-40-2	Thorium-231	<4.88E1	pCi/g dry	4.88E1		12/15/08	8L09007	AGG-RRL-001
7440-29-1	Thorium 232	<3.19E2	pCi/g dry	3.19E2		12/15/08	8L09007	AGG-RRL-001
13981-14-1	Protactinium-233	<5.11E-1	pCi/g dry	5.11E-1		12/15/08	8L09007	AGG-RRL-001
15100-28-4	Protactinium-234	<8.87E-1	pCi/g dry	8.87E-1		12/15/08	8L09007	AGG-RRL-001
	Protactinium-234m	<2.18E1	pCi/g dry	2.18E1		12/15/08	8L09007	AGG-RRL-001
15065-10-8	Thorium-234	<8.13E0	pCi/g dry	8.13E0		12/15/08	8L09007	AGG-RRL-001
15117-96-1	Uranium 235	<1.85E0	pCi/g dry	1.85E0		12/15/08	8L09007	AGG-RRL-001
13994-20-2	Neptunium-237	<1.97E0	pCi/g dry	1.97E0		12/15/08	8L09007	AGG-RRL-001
13981-16-3	Plutonium-238	<2.79E3	pCi/g dry	2.79E3		12/15/08	8L09007	AGG-RRL-001
	Uranium 238	<4.21E0	pCi/g dry	4.21E0		12/15/08	8L09007	AGG-RRL-001
15117-48-3	Plutonium-239	<3.19E3	pCi/g dry	3.19E3		12/15/08	8L09007	AGG-RRL-001
14119-33-6	Plutonium-240	<2.78E3	pCi/g dry	2.78E3		12/15/08	8L09007	AGG-RRL-001
14596-10-2	Americium-241	<1.60E0	pCi/g dry	1.60E0		12/15/08	8L09007	AGG-RRL-001
14993-75-0	Americium-243	<5.39E-1	pCi/g dry	5.39E-1		12/15/08	8L09007	AGG-RRL-001
15757-87-6	Curium-243	<8.48E-1	pCi/g dry	8.48E-1		12/15/08	8L09007	AGG-RRL-001
15621-76-8	Curium-245	<6.96E-1	pCi/g dry	6.96E-1		12/15/08	8L09007	AGG-RRL-001
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**				
13966-32-0	Sodium-22	<1.82E-1	pCi/g dry	1.82E-1		12/15/08	8L09007	AGG-RRL-001
13966-00-2	Potassium-40	1.26E1	pCi/g dry	1.42E0	6.18E-1	12/15/08	8L09007	AGG-RRL-001
14392-02-0	Chromium-51	<1.71E0	pCi/g dry	1.71E0		12/15/08	8L09007	AGG-RRL-001
13966-31-9	Manganese-54	<1.72E-1	pCi/g dry	1.72E-1		12/15/08	8L09007	AGG-RRL-001
13981-50-5	Cobalt-57	<1.99E-1	pCi/g dry	1.99E-1		12/15/08	8L09007	AGG-RRL-001
14596-12-4	Iron-59	<3.13E-1	pCi/g dry	3.13E-1		12/15/08	8L09007	AGG-RRL-001
10198-40-0	Cobalt-60	<1.60E-1	pCi/g dry	1.60E-1		12/15/08	8L09007	AGG-RRL-001
13982-39-3	Zinc-65	<4.07E-1	pCi/g dry	4.07E-1		12/15/08	8L09007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**				
14265-71-5	Selenium-75	<2.86E-1	pCi/g dry	2.86E-1		12/15/08	8L09007	AGG-RRL-001
17056-36-9	Rubidium-83	<4.26E-1	pCi/g dry	4.26E-1		12/15/08	8L09007	AGG-RRL-001
13967-73-2	Strontium-85	<1.96E-1	pCi/g dry	1.96E-1		12/15/08	8L09007	AGG-RRL-001
14932-53-7	Rubidium-86	<2.01E0	pCi/g dry	2.01E0		12/15/08	8L09007	AGG-RRL-001
13982-36-0	Yttrium-88	<1.36E-1	pCi/g dry	1.36E-1		12/15/08	8L09007	AGG-RRL-001
14681-63-1	Niobium-94	<1.58E-1	pCi/g dry	1.58E-1		12/15/08	8L09007	AGG-RRL-001
13967-76-5	Niobium-95	<1.74E-1	pCi/g dry	1.74E-1		12/15/08	8L09007	AGG-RRL-001
	Niobium-95m	<8.04E-1	pCi/g dry	8.04E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-95m	<2.82E-1	pCi/g dry	2.82E-1		12/15/08	8L09007	AGG-RRL-001
13967-71-0	Zirconium-95	<3.07E-1	pCi/g dry	3.07E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-99m	<1.93E-1	pCi/g dry	1.93E-1		12/15/08	8L09007	AGG-RRL-001
13968-53-1	Ruthenium-103	<1.93E-1	pCi/g dry	1.93E-1		12/15/08	8L09007	AGG-RRL-001
13967-48-1	Ruthenium-106	<2.04E0	pCi/g dry	2.04E0		12/15/08	8L09007	AGG-RRL-001
14391-65-2	Silver-108m	<1.76E-1	pCi/g dry	1.76E-1		12/15/08	8L09007	AGG-RRL-001
14109-32-1	Cadmium-109	<6.14E0	pCi/g dry	6.14E0		12/15/08	8L09007	AGG-RRL-001
	Silver-110	<1.78E-1	pCi/g dry	1.78E-1		12/15/08	8L09007	AGG-RRL-001
14391-76-5	Silver-110m	<1.78E-1	pCi/g dry	1.78E-1		12/15/08	8L09007	AGG-RRL-001
13966-06-8	Tin-113	<2.57E-1	pCi/g dry	2.57E-1		12/15/08	8L09007	AGG-RRL-001
14683-10-4	Antimony-124	<2.17E-1	pCi/g dry	2.17E-1		12/15/08	8L09007	AGG-RRL-001
14234-35-6	Antimony-125	<5.49E-1	pCi/g dry	5.49E-1		12/15/08	8L09007	AGG-RRL-001
15756-32-8	Antimony-126	<1.62E-1	pCi/g dry	1.62E-1		12/15/08	8L09007	AGG-RRL-001
15832-50-5	Tin-126	<5.03E-1	pCi/g dry	5.03E-1		12/15/08	8L09007	AGG-RRL-001
10043-66-0	Iodine-131	<2.24E-1	pCi/g dry	2.24E-1		12/15/08	8L09007	AGG-RRL-001
13981-41-4	Barium-133	<3.11E-1	pCi/g dry	3.11E-1		12/15/08	8L09007	AGG-RRL-001
13967-70-9	Cesium-134	<1.93E-1	pCi/g dry	1.93E-1		12/15/08	8L09007	AGG-RRL-001
10045-97-3	Cesium-137	<1.99E-1	pCi/g dry	1.99E-1		12/15/08	8L09007	AGG-RRL-001
13982-30-4	Cerium-139	<2.20E-1	pCi/g dry	2.20E-1		12/15/08	8L09007	AGG-RRL-001
14762-78-8	Cerium-144	<1.58E0	pCi/g dry	1.58E0		12/15/08	8L09007	AGG-RRL-001
14683-23-9	Europium-152	<7.10E-1	pCi/g dry	7.10E-1		12/15/08	8L09007	AGG-RRL-001
14276-65-4	Gadolinium-153	<6.52E-1	pCi/g dry	6.52E-1		12/15/08	8L09007	AGG-RRL-001
15585-10-1	Europium-154	<4.20E-1	pCi/g dry	4.20E-1		12/15/08	8L09007	AGG-RRL-001
14391-16-3	Europium-155	<7.13E-1	pCi/g dry	7.13E-1		12/15/08	8L09007	AGG-RRL-001
13982-78-0	Mercury-203	<2.19E-1	pCi/g dry	2.19E-1		12/15/08	8L09007	AGG-RRL-001
14913-50-9	Thallium-208	<2.28E-1	pCi/g dry	2.28E-1		12/15/08	8L09007	AGG-RRL-001
14331-79-4	Bismuth-210	<3.44E-1	pCi/g dry	3.44E-1		12/15/08	8L09007	AGG-RRL-001
14255-04-0	Lead-210	<3.67E1	pCi/g dry	3.67E1		12/15/08	8L09007	AGG-RRL-001
	Bismuth-211	<3.96E0	pCi/g dry	3.96E0		12/15/08	8L09007	AGG-RRL-001
	Lead-211	<5.41E0	pCi/g dry	5.41E0		12/15/08	8L09007	AGG-RRL-001
15092-94-1	Lead-212	<4.64E-1	pCi/g dry	4.64E-1		12/15/08	8L09007	AGG-RRL-001
14733-03-0	Bismuth-214	<4.69E-1	pCi/g dry	4.69E-1		12/15/08	8L09007	AGG-RRL-001
15067-28-4	Lead-214	<5.03E-1	pCi/g dry	5.03E-1		12/15/08	8L09007	AGG-RRL-001
14835-02-0	Radon-219	<1.75E0	pCi/g dry	1.75E0		12/15/08	8L09007	AGG-RRL-001
22481-48-7	Radon-220	<1.75E2	pCi/g dry	1.75E2		12/15/08	8L09007	AGG-RRL-001
28522-20-5	Radon-221	<8.53E-1	pCi/g dry	8.53E-1		12/15/08	8L09007	AGG-RRL-001
15756-98-6	Francium-223	<5.91E0	pCi/g dry	5.91E0		12/15/08	8L09007	AGG-RRL-001
15623-45-7	Radium-223	<1.27E0	pCi/g dry	1.27E0		12/15/08	8L09007	AGG-RRL-001
13233-32-4	Radium-224	<5.00E0	pCi/g dry	5.00E0		12/15/08	8L09007	AGG-RRL-001
13982-63-3	Radium-226	<5.25E0	pCi/g dry	5.25E0		12/15/08	8L09007	AGG-RRL-001
15623-47-9	Thorium-227	<1.80E0	pCi/g dry	1.80E0		12/15/08	8L09007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**				
14331-83-0	Actinium-228	<7.13E-1	pCi/g dry	7.13E-1		12/15/08	8L09007	AGG-RRL-001
14274-82-9	Thorium-228	<6.63E1	pCi/g dry	6.63E1		12/15/08	8L09007	AGG-RRL-001
14269-63-7	Thorium-230	<8.74E1	pCi/g dry	8.74E1		12/15/08	8L09007	AGG-RRL-001
14331-85-2	Protactinium-231	<7.58E0	pCi/g dry	7.58E0		12/15/08	8L09007	AGG-RRL-001
14932-40-2	Thorium-231	<4.59E1	pCi/g dry	4.59E1		12/15/08	8L09007	AGG-RRL-001
7440-29-1	Thorium 232	<2.21E2	pCi/g dry	2.21E2		12/15/08	8L09007	AGG-RRL-001
13981-14-1	Protactinium-233	<4.65E-1	pCi/g dry	4.65E-1		12/15/08	8L09007	AGG-RRL-001
15100-28-4	Protactinium-234	<8.51E-1	pCi/g dry	8.51E-1		12/15/08	8L09007	AGG-RRL-001
	Protactinium-234m	<2.01E1	pCi/g dry	2.01E1		12/15/08	8L09007	AGG-RRL-001
15065-10-8	Thorium-234	<7.42E0	pCi/g dry	7.42E0		12/15/08	8L09007	AGG-RRL-001
15117-96-1	Uranium 235	<1.64E0	pCi/g dry	1.64E0		12/15/08	8L09007	AGG-RRL-001
13994-20-2	Neptunium-237	<1.85E0	pCi/g dry	1.85E0		12/15/08	8L09007	AGG-RRL-001
13981-16-3	Plutonium-238	<2.65E3	pCi/g dry	2.65E3		12/15/08	8L09007	AGG-RRL-001
	Uranium 238	<3.82E0	pCi/g dry	3.82E0		12/15/08	8L09007	AGG-RRL-001
15117-48-3	Plutonium-239	<2.74E3	pCi/g dry	2.74E3		12/15/08	8L09007	AGG-RRL-001
14119-33-6	Plutonium-240	<2.63E3	pCi/g dry	2.63E3		12/15/08	8L09007	AGG-RRL-001
14596-10-2	Americium-241	<1.13E0	pCi/g dry	1.13E0		12/15/08	8L09007	AGG-RRL-001
14993-75-0	Americium-243	<4.66E-1	pCi/g dry	4.66E-1		12/15/08	8L09007	AGG-RRL-001
15757-87-6	Curium-243	<8.10E-1	pCi/g dry	8.10E-1		12/15/08	8L09007	AGG-RRL-001
15621-76-8	Curium-245	<6.65E-1	pCi/g dry	6.65E-1		12/15/08	8L09007	AGG-RRL-001
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**				
13966-32-0	Sodium-22	<1.85E-1	pCi/g dry	1.85E-1		12/15/08	8L09007	AGG-RRL-001
13966-00-2	Potassium-40	1.54E1	pCi/g dry	1.99E0	7.79E-1	12/15/08	8L09007	AGG-RRL-001
14392-02-0	Chromium-51	<1.68E0	pCi/g dry	1.68E0		12/15/08	8L09007	AGG-RRL-001
13966-31-9	Manganese-54	<1.65E-1	pCi/g dry	1.65E-1		12/15/08	8L09007	AGG-RRL-001
13981-50-5	Cobalt-57	<2.02E-1	pCi/g dry	2.02E-1		12/15/08	8L09007	AGG-RRL-001
14596-12-4	Iron-59	<3.20E-1	pCi/g dry	3.20E-1		12/15/08	8L09007	AGG-RRL-001
10198-40-0	Cobalt-60	<1.56E-1	pCi/g dry	1.56E-1		12/15/08	8L09007	AGG-RRL-001
13982-39-3	Zinc-65	<4.46E-1	pCi/g dry	4.46E-1		12/15/08	8L09007	AGG-RRL-001
14265-71-5	Selenium-75	<3.04E-1	pCi/g dry	3.04E-1		12/15/08	8L09007	AGG-RRL-001
17056-36-9	Rubidium-83	<3.46E-1	pCi/g dry	3.46E-1		12/15/08	8L09007	AGG-RRL-001
13967-73-2	Strontium-85	<2.19E-1	pCi/g dry	2.19E-1		12/15/08	8L09007	AGG-RRL-001
14932-53-7	Rubidium-86	<1.97E0	pCi/g dry	1.97E0		12/15/08	8L09007	AGG-RRL-001
13982-36-0	Yttrium-88	<1.24E-1	pCi/g dry	1.24E-1		12/15/08	8L09007	AGG-RRL-001
14681-63-1	Niobium-94	<1.57E-1	pCi/g dry	1.57E-1		12/15/08	8L09007	AGG-RRL-001
13967-76-5	Niobium-95	<1.61E-1	pCi/g dry	1.61E-1		12/15/08	8L09007	AGG-RRL-001
	Niobium-95m	<8.99E-1	pCi/g dry	8.99E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-95m	<2.93E-1	pCi/g dry	2.93E-1		12/15/08	8L09007	AGG-RRL-001
13967-71-0	Zirconium-95	<2.91E-1	pCi/g dry	2.91E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-99m	<1.99E-1	pCi/g dry	1.99E-1		12/15/08	8L09007	AGG-RRL-001
13968-53-1	Ruthenium-103	<1.78E-1	pCi/g dry	1.78E-1		12/15/08	8L09007	AGG-RRL-001
13967-48-1	Ruthenium-106	<1.70E0	pCi/g dry	1.70E0		12/15/08	8L09007	AGG-RRL-001
14391-65-2	Silver-108m	<1.76E-1	pCi/g dry	1.76E-1		12/15/08	8L09007	AGG-RRL-001
14109-32-1	Cadmium-109	<5.91E0	pCi/g dry	5.91E0		12/15/08	8L09007	AGG-RRL-001
	Silver-110	<1.70E-1	pCi/g dry	1.70E-1		12/15/08	8L09007	AGG-RRL-001
14391-76-5	Silver-110m	<1.71E-1	pCi/g dry	1.71E-1		12/15/08	8L09007	AGG-RRL-001
13966-06-8	Tin-113	<2.61E-1	pCi/g dry	2.61E-1		12/15/08	8L09007	AGG-RRL-001
14683-10-4	Antimony-124	<1.83E-1	pCi/g dry	1.83E-1		12/15/08	8L09007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**				
14234-35-6	Antimony-125	<5.44E-1	pCi/g dry	5.44E-1		12/15/08	8L09007	AGG-RRL-001
15756-32-8	Antimony-126	<1.73E-1	pCi/g dry	1.73E-1		12/15/08	8L09007	AGG-RRL-001
15832-50-5	Tin-126	<4.68E-1	pCi/g dry	4.68E-1		12/15/08	8L09007	AGG-RRL-001
10043-66-0	Iodine-131	<2.03E-1	pCi/g dry	2.03E-1		12/15/08	8L09007	AGG-RRL-001
13981-41-4	Barium-133	<3.43E-1	pCi/g dry	3.43E-1		12/15/08	8L09007	AGG-RRL-001
13967-70-9	Cesium-134	<2.01E-1	pCi/g dry	2.01E-1		12/15/08	8L09007	AGG-RRL-001
10045-97-3	Cesium-137	<1.99E-1	pCi/g dry	1.99E-1		12/15/08	8L09007	AGG-RRL-001
13982-30-4	Cerium-139	<2.29E-1	pCi/g dry	2.29E-1		12/15/08	8L09007	AGG-RRL-001
14762-78-8	Cerium-144	<1.60E0	pCi/g dry	1.60E0		12/15/08	8L09007	AGG-RRL-001
14683-23-9	Europium-152	<7.03E-1	pCi/g dry	7.03E-1		12/15/08	8L09007	AGG-RRL-001
14276-65-4	Gadolinium-153	<6.28E-1	pCi/g dry	6.28E-1		12/15/08	8L09007	AGG-RRL-001
15585-10-1	Europium-154	<4.31E-1	pCi/g dry	4.31E-1		12/15/08	8L09007	AGG-RRL-001
14391-16-3	Europium-155	<6.55E-1	pCi/g dry	6.55E-1		12/15/08	8L09007	AGG-RRL-001
13982-78-0	Mercury-203	<2.27E-1	pCi/g dry	2.27E-1		12/15/08	8L09007	AGG-RRL-001
14913-50-9	Thallium-208	<1.70E-1	pCi/g dry	1.70E-1		12/15/08	8L09007	AGG-RRL-001
14331-79-4	Bismuth-210	<3.61E-1	pCi/g dry	3.61E-1		12/15/08	8L09007	AGG-RRL-001
14255-04-0	Lead-210	<8.65E1	pCi/g dry	8.65E1		12/15/08	8L09007	AGG-RRL-001
	Bismuth-211	<4.09E0	pCi/g dry	4.09E0		12/15/08	8L09007	AGG-RRL-001
	Lead-211	<5.58E0	pCi/g dry	5.58E0		12/15/08	8L09007	AGG-RRL-001
15092-94-1	Lead-212	6.185E-1	pCi/g dry	4.45E-1	9.85E-2	12/15/08	8L09007	AGG-RRL-001
14733-03-0	Bismuth-214	<4.83E-1	pCi/g dry	4.83E-1		12/15/08	8L09007	AGG-RRL-001
15067-28-4	Lead-214	1.34E0	pCi/g dry	3.73E-1	1.33E0	12/15/08	8L09007	AGG-RRL-001
14835-02-0	Radon-219	<1.79E0	pCi/g dry	1.79E0		12/15/08	8L09007	AGG-RRL-001
22481-48-7	Radon-220	<1.55E2	pCi/g dry	1.55E2		12/15/08	8L09007	AGG-RRL-001
28522-20-5	Radon-221	<8.84E-1	pCi/g dry	8.84E-1		12/15/08	8L09007	AGG-RRL-001
15756-98-6	Francium-223	<6.51E0	pCi/g dry	6.51E0		12/15/08	8L09007	AGG-RRL-001
15623-45-7	Radium-223	<1.30E0	pCi/g dry	1.30E0		12/15/08	8L09007	AGG-RRL-001
13233-32-4	Radium-224	<5.65E0	pCi/g dry	5.65E0		12/15/08	8L09007	AGG-RRL-001
13982-63-3	Radium-226	<5.47E0	pCi/g dry	5.47E0		12/15/08	8L09007	AGG-RRL-001
15623-47-9	Thorium-227	<2.01E0	pCi/g dry	2.01E0		12/15/08	8L09007	AGG-RRL-001
14331-83-0	Actinium-228	<8.12E-1	pCi/g dry	8.12E-1		12/15/08	8L09007	AGG-RRL-001
14274-82-9	Thorium-228	<6.83E1	pCi/g dry	6.83E1		12/15/08	8L09007	AGG-RRL-001
14269-63-7	Thorium-230	<8.97E1	pCi/g dry	8.97E1		12/15/08	8L09007	AGG-RRL-001
14331-85-2	Protactinium-231	<7.52E0	pCi/g dry	7.52E0		12/15/08	8L09007	AGG-RRL-001
14932-40-2	Thorium-231	<4.39E1	pCi/g dry	4.39E1		12/15/08	8L09007	AGG-RRL-001
7440-29-1	Thorium 232	<2.74E2	pCi/g dry	2.74E2		12/15/08	8L09007	AGG-RRL-001
13981-14-1	Protactinium-233	<4.65E-1	pCi/g dry	4.65E-1		12/15/08	8L09007	AGG-RRL-001
15100-28-4	Protactinium-234	<7.97E-1	pCi/g dry	7.97E-1		12/15/08	8L09007	AGG-RRL-001
	Protactinium-234m	<2.11E1	pCi/g dry	2.11E1		12/15/08	8L09007	AGG-RRL-001
15065-10-8	Thorium-234	<7.46E0	pCi/g dry	7.46E0		12/15/08	8L09007	AGG-RRL-001
15117-96-1	Uranium 235	<1.65E0	pCi/g dry	1.65E0		12/15/08	8L09007	AGG-RRL-001
13994-20-2	Neptunium-237	<1.71E0	pCi/g dry	1.71E0		12/15/08	8L09007	AGG-RRL-001
13981-16-3	Plutonium-238	<2.48E3	pCi/g dry	2.48E3		12/15/08	8L09007	AGG-RRL-001
	Uranium 238	<3.86E0	pCi/g dry	3.86E0		12/15/08	8L09007	AGG-RRL-001
15117-48-3	Plutonium-239	<2.79E3	pCi/g dry	2.79E3		12/15/08	8L09007	AGG-RRL-001
14119-33-6	Plutonium-240	<2.51E3	pCi/g dry	2.51E3		12/15/08	8L09007	AGG-RRL-001
14596-10-2	Americium-241	<1.38E0	pCi/g dry	1.38E0		12/15/08	8L09007	AGG-RRL-001
14993-75-0	Americium-243	<2.83E-1	pCi/g dry	2.83E-1		12/15/08	8L09007	AGG-RRL-001
15757-87-6	Curium-243	<7.66E-1	pCi/g dry	7.66E-1		12/15/08	8L09007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**				
15621-76-8	Curium-245	<6.29E-1	pCi/g dry	6.29E-1		12/15/08	8L09007	AGG-RRL-001
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**				
13966-32-0	Sodium-22	<2.35E-1	pCi/g dry	2.35E-1		12/15/08	8L09007	AGG-RRL-001
13966-00-2	Potassium-40	1.74E1	pCi/g dry	1.42E0	7.59E-1	12/15/08	8L09007	AGG-RRL-001
14392-02-0	Chromium-51	<1.96E0	pCi/g dry	1.96E0		12/15/08	8L09007	AGG-RRL-001
13966-31-9	Manganese-54	<2.13E-1	pCi/g dry	2.13E-1		12/15/08	8L09007	AGG-RRL-001
13981-50-5	Cobalt-57	<2.34E-1	pCi/g dry	2.34E-1		12/15/08	8L09007	AGG-RRL-001
14596-12-4	Iron-59	<3.60E-1	pCi/g dry	3.60E-1		12/15/08	8L09007	AGG-RRL-001
10198-40-0	Cobalt-60	<1.86E-1	pCi/g dry	1.86E-1		12/15/08	8L09007	AGG-RRL-001
13982-39-3	Zinc-65	<4.45E-1	pCi/g dry	4.45E-1		12/15/08	8L09007	AGG-RRL-001
14265-71-5	Selenium-75	<3.28E-1	pCi/g dry	3.28E-1		12/15/08	8L09007	AGG-RRL-001
17056-36-9	Rubidium-83	<5.07E-1	pCi/g dry	5.07E-1		12/15/08	8L09007	AGG-RRL-001
13967-73-2	Strontium-85	<2.34E-1	pCi/g dry	2.34E-1		12/15/08	8L09007	AGG-RRL-001
14932-53-7	Rubidium-86	<2.52E0	pCi/g dry	2.52E0		12/15/08	8L09007	AGG-RRL-001
13982-36-0	Yttrium-88	<1.36E-1	pCi/g dry	1.36E-1		12/15/08	8L09007	AGG-RRL-001
14681-63-1	Niobium-94	<1.96E-1	pCi/g dry	1.96E-1		12/15/08	8L09007	AGG-RRL-001
13967-76-5	Niobium-95	<2.07E-1	pCi/g dry	2.07E-1		12/15/08	8L09007	AGG-RRL-001
	Niobium-95m	<9.39E-1	pCi/g dry	9.39E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-95m	<3.32E-1	pCi/g dry	3.32E-1		12/15/08	8L09007	AGG-RRL-001
13967-71-0	Zirconium-95	<3.79E-1	pCi/g dry	3.79E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-99m	<2.28E-1	pCi/g dry	2.28E-1		12/15/08	8L09007	AGG-RRL-001
13968-53-1	Ruthenium-103	<2.29E-1	pCi/g dry	2.29E-1		12/15/08	8L09007	AGG-RRL-001
13967-48-1	Ruthenium-106	<2.38E0	pCi/g dry	2.38E0		12/15/08	8L09007	AGG-RRL-001
14391-65-2	Silver-108m	<2.12E-1	pCi/g dry	2.12E-1		12/15/08	8L09007	AGG-RRL-001
14109-32-1	Cadmium-109	<7.02E0	pCi/g dry	7.02E0		12/15/08	8L09007	AGG-RRL-001
	Silver-110	<2.04E-1	pCi/g dry	2.04E-1		12/15/08	8L09007	AGG-RRL-001
14391-76-5	Silver-110m	<2.04E-1	pCi/g dry	2.04E-1		12/15/08	8L09007	AGG-RRL-001
13966-06-8	Tin-113	<3.00E-1	pCi/g dry	3.00E-1		12/15/08	8L09007	AGG-RRL-001
14683-10-4	Antimony-124	<2.46E-1	pCi/g dry	2.46E-1		12/15/08	8L09007	AGG-RRL-001
14234-35-6	Antimony-125	<6.34E-1	pCi/g dry	6.34E-1		12/15/08	8L09007	AGG-RRL-001
15756-32-8	Antimony-126	<1.88E-1	pCi/g dry	1.88E-1		12/15/08	8L09007	AGG-RRL-001
15832-50-5	Tin-126	<5.76E-1	pCi/g dry	5.76E-1		12/15/08	8L09007	AGG-RRL-001
10043-66-0	Iodine-131	<2.59E-1	pCi/g dry	2.59E-1		12/15/08	8L09007	AGG-RRL-001
13981-41-4	Barium-133	<3.67E-1	pCi/g dry	3.67E-1		12/15/08	8L09007	AGG-RRL-001
13967-70-9	Cesium-134	<2.43E-1	pCi/g dry	2.43E-1		12/15/08	8L09007	AGG-RRL-001
10045-97-3	Cesium-137	<2.28E-1	pCi/g dry	2.28E-1		12/15/08	8L09007	AGG-RRL-001
13982-30-4	Cerium-139	<2.52E-1	pCi/g dry	2.52E-1		12/15/08	8L09007	AGG-RRL-001
14762-78-8	Cerium-144	<1.87E0	pCi/g dry	1.87E0		12/15/08	8L09007	AGG-RRL-001
14683-23-9	Europium-152	<8.73E-1	pCi/g dry	8.73E-1		12/15/08	8L09007	AGG-RRL-001
14276-65-4	Gadolinium-153	<7.52E-1	pCi/g dry	7.52E-1		12/15/08	8L09007	AGG-RRL-001
15585-10-1	Europium-154	<4.94E-1	pCi/g dry	4.94E-1		12/15/08	8L09007	AGG-RRL-001
14391-16-3	Europium-155	<8.20E-1	pCi/g dry	8.20E-1		12/15/08	8L09007	AGG-RRL-001
13982-78-0	Mercury-203	<2.56E-1	pCi/g dry	2.56E-1		12/15/08	8L09007	AGG-RRL-001
14913-50-9	Thallium-208	<2.63E-1	pCi/g dry	2.63E-1		12/15/08	8L09007	AGG-RRL-001
14331-79-4	Bismuth-210	<3.92E-1	pCi/g dry	3.92E-1		12/15/08	8L09007	AGG-RRL-001
14255-04-0	Lead-210	<4.16E1	pCi/g dry	4.16E1		12/15/08	8L09007	AGG-RRL-001
	Bismuth-211	<4.64E0	pCi/g dry	4.64E0		12/15/08	8L09007	AGG-RRL-001
	Lead-211	<6.35E0	pCi/g dry	6.35E0		12/15/08	8L09007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**				
15092-94-1	Lead-212	<5.45E-1	pCi/g dry	5.45E-1		12/15/08	8L09007	AGG-RRL-001
14733-03-0	Bismuth-214	<5.28E-1	pCi/g dry	5.28E-1		12/15/08	8L09007	AGG-RRL-001
15067-28-4	Lead-214	<5.97E-1	pCi/g dry	5.97E-1		12/15/08	8L09007	AGG-RRL-001
14835-02-0	Radon-219	<1.96E0	pCi/g dry	1.96E0		12/15/08	8L09007	AGG-RRL-001
22481-48-7	Radon-220	<1.97E2	pCi/g dry	1.97E2		12/15/08	8L09007	AGG-RRL-001
28522-20-5	Radon-221	<9.83E-1	pCi/g dry	9.83E-1		12/15/08	8L09007	AGG-RRL-001
15756-98-6	Francium-223	<6.90E0	pCi/g dry	6.90E0		12/15/08	8L09007	AGG-RRL-001
15623-45-7	Radium-223	<1.43E0	pCi/g dry	1.43E0		12/15/08	8L09007	AGG-RRL-001
13233-32-4	Radium-224	<5.91E0	pCi/g dry	5.91E0		12/15/08	8L09007	AGG-RRL-001
13982-63-3	Radium-226	<6.06E0	pCi/g dry	6.06E0		12/15/08	8L09007	AGG-RRL-001
15623-47-9	Thorium-227	<2.10E0	pCi/g dry	2.10E0		12/15/08	8L09007	AGG-RRL-001
14331-83-0	Actinium-228	<8.32E-1	pCi/g dry	8.32E-1		12/15/08	8L09007	AGG-RRL-001
14274-82-9	Thorium-228	<7.71E1	pCi/g dry	7.71E1		12/15/08	8L09007	AGG-RRL-001
14269-63-7	Thorium-230	<1.01E2	pCi/g dry	1.01E2		12/15/08	8L09007	AGG-RRL-001
14331-85-2	Protactinium-231	<9.08E0	pCi/g dry	9.08E0		12/15/08	8L09007	AGG-RRL-001
14932-40-2	Thorium-231	<5.33E1	pCi/g dry	5.33E1		12/15/08	8L09007	AGG-RRL-001
7440-29-1	Thorium 232	<2.61E2	pCi/g dry	2.61E2		12/15/08	8L09007	AGG-RRL-001
13981-14-1	Protactinium-233	<5.51E-1	pCi/g dry	5.51E-1		12/15/08	8L09007	AGG-RRL-001
15100-28-4	Protactinium-234	<9.79E-1	pCi/g dry	9.79E-1		12/15/08	8L09007	AGG-RRL-001
	Protactinium-234m	<2.30E1	pCi/g dry	2.30E1		12/15/08	8L09007	AGG-RRL-001
15065-10-8	Thorium-234	<8.63E0	pCi/g dry	8.63E0		12/15/08	8L09007	AGG-RRL-001
15117-96-1	Uranium 235	<1.93E0	pCi/g dry	1.93E0		12/15/08	8L09007	AGG-RRL-001
13994-20-2	Neptunium-237	<2.14E0	pCi/g dry	2.14E0		12/15/08	8L09007	AGG-RRL-001
13981-16-3	Plutonium-238	<3.07E3	pCi/g dry	3.07E3		12/15/08	8L09007	AGG-RRL-001
	Uranium 238	<4.46E0	pCi/g dry	4.46E0		12/15/08	8L09007	AGG-RRL-001
15117-48-3	Plutonium-239	<3.26E3	pCi/g dry	3.26E3		12/15/08	8L09007	AGG-RRL-001
14119-33-6	Plutonium-240	<3.04E3	pCi/g dry	3.04E3		12/15/08	8L09007	AGG-RRL-001
14596-10-2	Americium-241	<1.34E0	pCi/g dry	1.34E0		12/15/08	8L09007	AGG-RRL-001
14993-75-0	Americium-243	<5.43E-1	pCi/g dry	5.43E-1		12/15/08	8L09007	AGG-RRL-001
15757-87-6	Curium-243	<9.31E-1	pCi/g dry	9.31E-1		12/15/08	8L09007	AGG-RRL-001
15621-76-8	Curium-245	<7.65E-1	pCi/g dry	7.65E-1		12/15/08	8L09007	AGG-RRL-001
HEIS No.	**B1V9B5**		**Lab ID:**	**0805003-15**				
13966-32-0	Sodium-22	<1.98E-1	pCi/g dry	1.98E-1		12/15/08	8L09007	AGG-RRL-001
13966-00-2	Potassium-40	1.98E1	pCi/g dry	1.91E0	9.12E-1	12/15/08	8L09007	AGG-RRL-001
14392-02-0	Chromium-51	<1.75E0	pCi/g dry	1.75E0		12/15/08	8L09007	AGG-RRL-001
13966-31-9	Manganese-54	<1.92E-1	pCi/g dry	1.92E-1		12/15/08	8L09007	AGG-RRL-001
13981-50-5	Cobalt-57	<2.19E-1	pCi/g dry	2.19E-1		12/15/08	8L09007	AGG-RRL-001
14596-12-4	Iron-59	<3.58E-1	pCi/g dry	3.58E-1		12/15/08	8L09007	AGG-RRL-001
10198-40-0	Cobalt-60	<1.74E-1	pCi/g dry	1.74E-1		12/15/08	8L09007	AGG-RRL-001
13982-39-3	Zinc-65	<4.17E-1	pCi/g dry	4.17E-1		12/15/08	8L09007	AGG-RRL-001
14265-71-5	Selenium-75	<3.21E-1	pCi/g dry	3.21E-1		12/15/08	8L09007	AGG-RRL-001
17056-36-9	Rubidium-83	<3.62E-1	pCi/g dry	3.62E-1		12/15/08	8L09007	AGG-RRL-001
13967-73-2	Strontium-85	<2.35E-1	pCi/g dry	2.35E-1		12/15/08	8L09007	AGG-RRL-001
14932-53-7	Rubidium-86	<1.99E0	pCi/g dry	1.99E0		12/15/08	8L09007	AGG-RRL-001
13982-36-0	Yttrium-88	<1.52E-1	pCi/g dry	1.52E-1		12/15/08	8L09007	AGG-RRL-001
14681-63-1	Niobium-94	<1.83E-1	pCi/g dry	1.83E-1		12/15/08	8L09007	AGG-RRL-001
13967-76-5	Niobium-95	<1.91E-1	pCi/g dry	1.91E-1		12/15/08	8L09007	AGG-RRL-001
	Niobium-95m	<9.40E-1	pCi/g dry	9.40E-1		12/15/08	8L09007	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V9B5**		**Lab ID:**	**0805003-15**				
	Technetium-95m	<3.12E-1	pCi/g dry	3.12E-1		12/15/08	8L09007	AGG-RRL-001
13967-71-0	Zirconium-95	<3.29E-1	pCi/g dry	3.29E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-99m	<2.15E-1	pCi/g dry	2.15E-1		12/15/08	8L09007	AGG-RRL-001
13968-53-1	Ruthenium-103	<1.95E-1	pCi/g dry	1.95E-1		12/15/08	8L09007	AGG-RRL-001
13967-48-1	Ruthenium-106	<1.84E0	pCi/g dry	1.84E0		12/15/08	8L09007	AGG-RRL-001
14391-65-2	Silver-108m	<1.95E-1	pCi/g dry	1.95E-1		12/15/08	8L09007	AGG-RRL-001
14109-32-1	Cadmium-109	<6.36E0	pCi/g dry	6.36E0		12/15/08	8L09007	AGG-RRL-001
	Silver-110	<1.88E-1	pCi/g dry	1.88E-1		12/15/08	8L09007	AGG-RRL-001
14391-76-5	Silver-110m	<1.89E-1	pCi/g dry	1.89E-1		12/15/08	8L09007	AGG-RRL-001
13966-06-8	Tin-113	<2.80E-1	pCi/g dry	2.80E-1		12/15/08	8L09007	AGG-RRL-001
14683-10-4	Antimony-124	<1.97E-1	pCi/g dry	1.97E-1		12/15/08	8L09007	AGG-RRL-001
14234-35-6	Antimony-125	<6.08E-1	pCi/g dry	6.08E-1		12/15/08	8L09007	AGG-RRL-001
15756-32-8	Antimony-126	<1.83E-1	pCi/g dry	1.83E-1		12/15/08	8L09007	AGG-RRL-001
15832-50-5	Tin-126	<5.08E-1	pCi/g dry	5.08E-1		12/15/08	8L09007	AGG-RRL-001
10043-66-0	Iodine-131	<2.18E-1	pCi/g dry	2.18E-1		12/15/08	8L09007	AGG-RRL-001
13981-41-4	Barium-133	<3.73E-1	pCi/g dry	3.73E-1		12/15/08	8L09007	AGG-RRL-001
13967-70-9	Cesium-134	<2.15E-1	pCi/g dry	2.15E-1		12/15/08	8L09007	AGG-RRL-001
10045-97-3	Cesium-137	<2.12E-1	pCi/g dry	2.12E-1		12/15/08	8L09007	AGG-RRL-001
13982-30-4	Cerium-139	<2.43E-1	pCi/g dry	2.43E-1		12/15/08	8L09007	AGG-RRL-001
14762-78-8	Cerium-144	<1.75E0	pCi/g dry	1.75E0		12/15/08	8L09007	AGG-RRL-001
14683-23-9	Europium-152	<7.27E-1	pCi/g dry	7.27E-1		12/15/08	8L09007	AGG-RRL-001
14276-65-4	Gadolinium-153	<6.65E-1	pCi/g dry	6.65E-1		12/15/08	8L09007	AGG-RRL-001
15585-10-1	Europium-154	<4.66E-1	pCi/g dry	4.66E-1		12/15/08	8L09007	AGG-RRL-001
14391-16-3	Europium-155	<7.15E-1	pCi/g dry	7.15E-1		12/15/08	8L09007	AGG-RRL-001
13982-78-0	Mercury-203	<2.44E-1	pCi/g dry	2.44E-1		12/15/08	8L09007	AGG-RRL-001
14913-50-9	Thallium-208	<2.01E-1	pCi/g dry	2.01E-1		12/15/08	8L09007	AGG-RRL-001
14331-79-4	Bismuth-210	<3.83E-1	pCi/g dry	3.83E-1		12/15/08	8L09007	AGG-RRL-001
14255-04-0	Lead-210	<8.49E1	pCi/g dry	8.49E1		12/15/08	8L09007	AGG-RRL-001
	Bismuth-211	<4.36E0	pCi/g dry	4.36E0		12/15/08	8L09007	AGG-RRL-001
	Lead-211	<5.96E0	pCi/g dry	5.96E0		12/15/08	8L09007	AGG-RRL-001
15092-94-1	Lead-212	<5.01E-1	pCi/g dry	5.01E-1		12/15/08	8L09007	AGG-RRL-001
14733-03-0	Bismuth-214	<5.01E-1	pCi/g dry	5.01E-1		12/15/08	8L09007	AGG-RRL-001
15067-28-4	Lead-214	1.85E0	pCi/g dry	3.66E-1	9.39E-1	12/15/08	8L09007	AGG-RRL-001
14835-02-0	Radon-219	<1.96E0	pCi/g dry	1.96E0		12/15/08	8L09007	AGG-RRL-001
22481-48-7	Radon-220	<1.74E2	pCi/g dry	1.74E2		12/15/08	8L09007	AGG-RRL-001
28522-20-5	Radon-221	<9.57E-1	pCi/g dry	9.57E-1		12/15/08	8L09007	AGG-RRL-001
15756-98-6	Francium-223	<6.84E0	pCi/g dry	6.84E0		12/15/08	8L09007	AGG-RRL-001
15623-45-7	Radium-223	<1.43E0	pCi/g dry	1.43E0		12/15/08	8L09007	AGG-RRL-001
13233-32-4	Radium-224	<5.99E0	pCi/g dry	5.99E0		12/15/08	8L09007	AGG-RRL-001
13982-63-3	Radium-226	<5.88E0	pCi/g dry	5.88E0		12/15/08	8L09007	AGG-RRL-001
15623-47-9	Thorium-227	<2.10E0	pCi/g dry	2.10E0		12/15/08	8L09007	AGG-RRL-001
14331-83-0	Actinium-228	<8.76E-1	pCi/g dry	8.76E-1		12/15/08	8L09007	AGG-RRL-001
14274-82-9	Thorium-228	<7.44E1	pCi/g dry	7.44E1		12/15/08	8L09007	AGG-RRL-001
14269-63-7	Thorium-230	<9.82E1	pCi/g dry	9.82E1		12/15/08	8L09007	AGG-RRL-001
14331-85-2	Protactinium-231	<7.68E0	pCi/g dry	7.68E0		12/15/08	8L09007	AGG-RRL-001
14932-40-2	Thorium-231	<4.76E1	pCi/g dry	4.76E1		12/15/08	8L09007	AGG-RRL-001
7440-29-1	Thorium 232	<3.05E2	pCi/g dry	3.05E2		12/15/08	8L09007	AGG-RRL-001
13981-14-1	Protactinium-233	<4.78E-1	pCi/g dry	4.78E-1		12/15/08	8L09007	AGG-RRL-001
15100-28-4	Protactinium-234	<8.55E-1	pCi/g dry	8.55E-1		12/15/08	8L09007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V9B5**		**Lab ID:**	**0805003-15**				
	Protactinium-234m	<2.20E1	pCi/g dry	2.20E1		12/15/08	8L09007	AGG-RRL-001
15065-10-8	Thorium-234	<7.98E0	pCi/g dry	7.98E0		12/15/08	8L09007	AGG-RRL-001
15117-96-1	Uranium 235	<1.77E0	pCi/g dry	1.77E0		12/15/08	8L09007	AGG-RRL-001
13994-20-2	Neptunium-237	<1.86E0	pCi/g dry	1.86E0		12/15/08	8L09007	AGG-RRL-001
13981-16-3	Plutonium-238	<2.67E3	pCi/g dry	2.67E3		12/15/08	8L09007	AGG-RRL-001
	Uranium 238	<4.14E0	pCi/g dry	4.14E0		12/15/08	8L09007	AGG-RRL-001
15117-48-3	Plutonium-239	<3.07E3	pCi/g dry	3.07E3		12/15/08	8L09007	AGG-RRL-001
14119-33-6	Plutonium-240	<2.75E3	pCi/g dry	2.75E3		12/15/08	8L09007	AGG-RRL-001
14596-10-2	Americium-241	<1.54E0	pCi/g dry	1.54E0		12/15/08	8L09007	AGG-RRL-001
14993-75-0	Americium-243	<5.38E-1	pCi/g dry	5.38E-1		12/15/08	8L09007	AGG-RRL-001
15757-87-6	Curium-243	<8.39E-1	pCi/g dry	8.39E-1		12/15/08	8L09007	AGG-RRL-001
15621-76-8	Curium-245	<6.90E-1	pCi/g dry	6.90E-1		12/15/08	8L09007	AGG-RRL-001
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**				
13966-32-0	Sodium-22	<2.52E-1	pCi/g dry	2.52E-1		12/15/08	8L09007	AGG-RRL-001
13966-00-2	Potassium-40	1.84E1	pCi/g dry	1.92E0	8.75E-1	12/15/08	8L09007	AGG-RRL-001
14392-02-0	Chromium-51	<2.39E0	pCi/g dry	2.39E0		12/15/08	8L09007	AGG-RRL-001
13966-31-9	Manganese-54	<2.38E-1	pCi/g dry	2.38E-1		12/15/08	8L09007	AGG-RRL-001
13981-50-5	Cobalt-57	<2.78E-1	pCi/g dry	2.78E-1		12/15/08	8L09007	AGG-RRL-001
14596-12-4	Iron-59	<4.21E-1	pCi/g dry	4.21E-1		12/15/08	8L09007	AGG-RRL-001
10198-40-0	Cobalt-60	<2.17E-1	pCi/g dry	2.17E-1		12/15/08	8L09007	AGG-RRL-001
13982-39-3	Zinc-65	<5.50E-1	pCi/g dry	5.50E-1		12/15/08	8L09007	AGG-RRL-001
14265-71-5	Selenium-75	<4.00E-1	pCi/g dry	4.00E-1		12/15/08	8L09007	AGG-RRL-001
17056-36-9	Rubidium-83	<5.90E-1	pCi/g dry	5.90E-1		12/15/08	8L09007	AGG-RRL-001
13967-73-2	Strontium-85	<2.68E-1	pCi/g dry	2.68E-1		12/15/08	8L09007	AGG-RRL-001
14932-53-7	Rubidium-86	<2.79E0	pCi/g dry	2.79E0		12/15/08	8L09007	AGG-RRL-001
13982-36-0	Yttrium-88	<1.91E-1	pCi/g dry	1.91E-1		12/15/08	8L09007	AGG-RRL-001
14681-63-1	Niobium-94	<2.34E-1	pCi/g dry	2.34E-1		12/15/08	8L09007	AGG-RRL-001
13967-76-5	Niobium-95	<2.34E-1	pCi/g dry	2.34E-1		12/15/08	8L09007	AGG-RRL-001
	Niobium-95m	<1.16E0	pCi/g dry	1.16E0		12/15/08	8L09007	AGG-RRL-001
	Technetium-95m	<3.89E-1	pCi/g dry	3.89E-1		12/15/08	8L09007	AGG-RRL-001
13967-71-0	Zirconium-95	<4.21E-1	pCi/g dry	4.21E-1		12/15/08	8L09007	AGG-RRL-001
	Technetium-99m	<2.65E-1	pCi/g dry	2.65E-1		12/15/08	8L09007	AGG-RRL-001
13968-53-1	Ruthenium-103	<2.65E-1	pCi/g dry	2.65E-1		12/15/08	8L09007	AGG-RRL-001
13967-48-1	Ruthenium-106	<2.82E0	pCi/g dry	2.82E0		12/15/08	8L09007	AGG-RRL-001
14391-65-2	Silver-108m	<2.50E-1	pCi/g dry	2.50E-1		12/15/08	8L09007	AGG-RRL-001
14109-32-1	Cadmium-109	<8.58E0	pCi/g dry	8.58E0		12/15/08	8L09007	AGG-RRL-001
	Silver-110	<2.46E-1	pCi/g dry	2.46E-1		12/15/08	8L09007	AGG-RRL-001
14391-76-5	Silver-110m	<2.47E-1	pCi/g dry	2.47E-1		12/15/08	8L09007	AGG-RRL-001
13966-06-8	Tin-113	<3.47E-1	pCi/g dry	3.47E-1		12/15/08	8L09007	AGG-RRL-001
14683-10-4	Antimony-124	<2.88E-1	pCi/g dry	2.88E-1		12/15/08	8L09007	AGG-RRL-001
14234-35-6	Antimony-125	<7.64E-1	pCi/g dry	7.64E-1		12/15/08	8L09007	AGG-RRL-001
15756-32-8	Antimony-126	<2.42E-1	pCi/g dry	2.42E-1		12/15/08	8L09007	AGG-RRL-001
15832-50-5	Tin-126	<7.04E-1	pCi/g dry	7.04E-1		12/15/08	8L09007	AGG-RRL-001
10043-66-0	Iodine-131	<3.09E-1	pCi/g dry	3.09E-1		12/15/08	8L09007	AGG-RRL-001
13981-41-4	Barium-133	<4.40E-1	pCi/g dry	4.40E-1		12/15/08	8L09007	AGG-RRL-001
13967-70-9	Cesium-134	<2.69E-1	pCi/g dry	2.69E-1		12/15/08	8L09007	AGG-RRL-001
10045-97-3	Cesium-137	<2.82E-1	pCi/g dry	2.82E-1		12/15/08	8L09007	AGG-RRL-001
13982-30-4	Cerium-139	<2.99E-1	pCi/g dry	2.99E-1		12/15/08	8L09007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**				
14762-78-8	Cerium-144	<2.18E0	pCi/g dry	2.18E0		12/15/08	8L09007	AGG-RRL-001
14683-23-9	Europium-152	<1.05E0	pCi/g dry	1.05E0		12/15/08	8L09007	AGG-RRL-001
14276-65-4	Gadolinium-153	<9.15E-1	pCi/g dry	9.15E-1		12/15/08	8L09007	AGG-RRL-001
15585-10-1	Europium-154	<5.83E-1	pCi/g dry	5.83E-1		12/15/08	8L09007	AGG-RRL-001
14391-16-3	Europium-155	<9.99E-1	pCi/g dry	9.99E-1		12/15/08	8L09007	AGG-RRL-001
13982-78-0	Mercury-203	<3.01E-1	pCi/g dry	3.01E-1		12/15/08	8L09007	AGG-RRL-001
14913-50-9	Thallium-208	<3.24E-1	pCi/g dry	3.24E-1		12/15/08	8L09007	AGG-RRL-001
14331-79-4	Bismuth-210	<4.77E-1	pCi/g dry	4.77E-1		12/15/08	8L09007	AGG-RRL-001
14255-04-0	Lead-210	<5.04E1	pCi/g dry	5.04E1		12/15/08	8L09007	AGG-RRL-001
	Bismuth-211	<5.66E0	pCi/g dry	5.66E0		12/15/08	8L09007	AGG-RRL-001
	Lead-211	<7.74E0	pCi/g dry	7.74E0		12/15/08	8L09007	AGG-RRL-001
15092-94-1	Lead-212	<6.74E-1	pCi/g dry	6.74E-1		12/15/08	8L09007	AGG-RRL-001
14733-03-0	Bismuth-214	<6.08E-1	pCi/g dry	6.08E-1		12/15/08	8L09007	AGG-RRL-001
15067-28-4	Lead-214	<7.17E-1	pCi/g dry	7.17E-1		12/15/08	8L09007	AGG-RRL-001
14835-02-0	Radon-219	<2.38E0	pCi/g dry	2.38E0		12/15/08	8L09007	AGG-RRL-001
22481-48-7	Radon-220	<2.23E2	pCi/g dry	2.23E2		12/15/08	8L09007	AGG-RRL-001
28522-20-5	Radon-221	<1.14E0	pCi/g dry	1.14E0		12/15/08	8L09007	AGG-RRL-001
15756-98-6	Francium-223	<8.49E0	pCi/g dry	8.49E0		12/15/08	8L09007	AGG-RRL-001
15623-45-7	Radium-223	<1.74E0	pCi/g dry	1.74E0		12/15/08	8L09007	AGG-RRL-001
13233-32-4	Radium-224	<7.31E0	pCi/g dry	7.31E0		12/15/08	8L09007	AGG-RRL-001
13982-63-3	Radium-226	<7.03E0	pCi/g dry	7.03E0		12/15/08	8L09007	AGG-RRL-001
15623-47-9	Thorium-227	<2.59E0	pCi/g dry	2.59E0		12/15/08	8L09007	AGG-RRL-001
14331-83-0	Actinium-228	<1.05E0	pCi/g dry	1.05E0		12/15/08	8L09007	AGG-RRL-001
14274-82-9	Thorium-228	<9.19E1	pCi/g dry	9.19E1		12/15/08	8L09007	AGG-RRL-001
14269-63-7	Thorium-230	<1.23E2	pCi/g dry	1.23E2		12/15/08	8L09007	AGG-RRL-001
14331-85-2	Protactinium-231	<1.09E1	pCi/g dry	1.09E1		12/15/08	8L09007	AGG-RRL-001
14932-40-2	Thorium-231	<6.38E1	pCi/g dry	6.38E1		12/15/08	8L09007	AGG-RRL-001
7440-29-1	Thorium 232	<3.21E2	pCi/g dry	3.21E2		12/15/08	8L09007	AGG-RRL-001
13981-14-1	Protactinium-233	<6.51E-1	pCi/g dry	6.51E-1		12/15/08	8L09007	AGG-RRL-001
15100-28-4	Protactinium-234	<1.19E0	pCi/g dry	1.19E0		12/15/08	8L09007	AGG-RRL-001
	Protactinium-234m	<2.83E1	pCi/g dry	2.83E1		12/15/08	8L09007	AGG-RRL-001
15065-10-8	Thorium-234	<1.05E1	pCi/g dry	1.05E1		12/15/08	8L09007	AGG-RRL-001
15117-96-1	Uranium 235	<2.26E0	pCi/g dry	2.26E0		12/15/08	8L09007	AGG-RRL-001
13994-20-2	Neptunium-237	<2.60E0	pCi/g dry	2.60E0		12/15/08	8L09007	AGG-RRL-001
13981-16-3	Plutonium-238	<3.71E3	pCi/g dry	3.71E3		12/15/08	8L09007	AGG-RRL-001
	Uranium 238	<5.41E0	pCi/g dry	5.41E0		12/15/08	8L09007	AGG-RRL-001
15117-48-3	Plutonium-239	<3.81E3	pCi/g dry	3.81E3		12/15/08	8L09007	AGG-RRL-001
14119-33-6	Plutonium-240	<3.68E3	pCi/g dry	3.68E3		12/15/08	8L09007	AGG-RRL-001
14596-10-2	Americium-241	<1.64E0	pCi/g dry	1.64E0		12/15/08	8L09007	AGG-RRL-001
14993-75-0	Americium-243	<6.55E-1	pCi/g dry	6.55E-1		12/15/08	8L09007	AGG-RRL-001
15757-87-6	Curium-243	<1.12E0	pCi/g dry	1.12E0		12/15/08	8L09007	AGG-RRL-001
15621-76-8	Curium-245	<9.21E-1	pCi/g dry	9.21E-1		12/15/08	8L09007	AGG-RRL-001
HEIS No.	**B1V9B9**		**Lab ID:**	**0805003-19**				
13966-32-0	Sodium-22	<1.93E-1	pCi/g dry	1.93E-1		12/16/08	8L09007	AGG-RRL-001
13966-00-2	Potassium-40	1.98E1	pCi/g dry	1.79E0	9.10E-1	12/16/08	8L09007	AGG-RRL-001
14392-02-0	Chromium-51	<1.95E0	pCi/g dry	1.95E0		12/16/08	8L09007	AGG-RRL-001
13966-31-9	Manganese-54	<1.76E-1	pCi/g dry	1.76E-1		12/16/08	8L09007	AGG-RRL-001
13981-50-5	Cobalt-57	<2.28E-1	pCi/g dry	2.28E-1		12/16/08	8L09007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V9B9**		**Lab ID:**	**0805003-19**				
14596-12-4	Iron-59	<3.60E-1	pCi/g dry	3.60E-1		12/16/08	8L09007	AGG-RRL-001
10198-40-0	Cobalt-60	<1.75E-1	pCi/g dry	1.75E-1		12/16/08	8L09007	AGG-RRL-001
13982-39-3	Zinc-65	<4.75E-1	pCi/g dry	4.75E-1		12/16/08	8L09007	AGG-RRL-001
14265-71-5	Selenium-75	<3.41E-1	pCi/g dry	3.41E-1		12/16/08	8L09007	AGG-RRL-001
17056-36-9	Rubidium-83	<3.81E-1	pCi/g dry	3.81E-1		12/16/08	8L09007	AGG-RRL-001
13967-73-2	Strontium-85	<2.47E-1	pCi/g dry	2.47E-1		12/16/08	8L09007	AGG-RRL-001
14932-53-7	Rubidium-86	<2.29E0	pCi/g dry	2.29E0		12/16/08	8L09007	AGG-RRL-001
13982-36-0	Yttrium-88	<1.58E-1	pCi/g dry	1.58E-1		12/16/08	8L09007	AGG-RRL-001
14681-63-1	Niobium-94	<1.83E-1	pCi/g dry	1.83E-1		12/16/08	8L09007	AGG-RRL-001
13967-76-5	Niobium-95	<2.03E-1	pCi/g dry	2.03E-1		12/16/08	8L09007	AGG-RRL-001
	Niobium-95m	<1.00E0	pCi/g dry	1.00E0		12/16/08	8L09007	AGG-RRL-001
	Technetium-95m	<3.28E-1	pCi/g dry	3.28E-1		12/16/08	8L09007	AGG-RRL-001
13967-71-0	Zirconium-95	<3.38E-1	pCi/g dry	3.38E-1		12/16/08	8L09007	AGG-RRL-001
	Technetium-99m	<2.19E-1	pCi/g dry	2.19E-1		12/16/08	8L09007	AGG-RRL-001
13968-53-1	Ruthenium-103	<2.08E-1	pCi/g dry	2.08E-1		12/16/08	8L09007	AGG-RRL-001
13967-48-1	Ruthenium-106	<1.96E0	pCi/g dry	1.96E0		12/16/08	8L09007	AGG-RRL-001
14391-65-2	Silver-108m	<1.99E-1	pCi/g dry	1.99E-1		12/16/08	8L09007	AGG-RRL-001
14109-32-1	Cadmium-109	<6.68E0	pCi/g dry	6.68E0		12/16/08	8L09007	AGG-RRL-001
	Silver-110	<1.97E-1	pCi/g dry	1.97E-1		12/16/08	8L09007	AGG-RRL-001
14391-76-5	Silver-110m	<1.97E-1	pCi/g dry	1.97E-1		12/16/08	8L09007	AGG-RRL-001
13966-06-8	Tin-113	<2.94E-1	pCi/g dry	2.94E-1		12/16/08	8L09007	AGG-RRL-001
14683-10-4	Antimony-124	<1.87E-1	pCi/g dry	1.87E-1		12/16/08	8L09007	AGG-RRL-001
14234-35-6	Antimony-125	<6.28E-1	pCi/g dry	6.28E-1		12/16/08	8L09007	AGG-RRL-001
15756-32-8	Antimony-126	<1.93E-1	pCi/g dry	1.93E-1		12/16/08	8L09007	AGG-RRL-001
15832-50-5	Tin-126	<5.30E-1	pCi/g dry	5.30E-1		12/16/08	8L09007	AGG-RRL-001
10043-66-0	Iodine-131	<2.41E-1	pCi/g dry	2.41E-1		12/16/08	8L09007	AGG-RRL-001
13981-41-4	Barium-133	<3.85E-1	pCi/g dry	3.85E-1		12/16/08	8L09007	AGG-RRL-001
13967-70-9	Cesium-134	<2.23E-1	pCi/g dry	2.23E-1		12/16/08	8L09007	AGG-RRL-001
10045-97-3	Cesium-137	<2.17E-1	pCi/g dry	2.17E-1		12/16/08	8L09007	AGG-RRL-001
13982-30-4	Cerium-139	<2.50E-1	pCi/g dry	2.50E-1		12/16/08	8L09007	AGG-RRL-001
14762-78-8	Cerium-144	<1.80E0	pCi/g dry	1.80E0		12/16/08	8L09007	AGG-RRL-001
14683-23-9	Europium-152	<7.56E-1	pCi/g dry	7.56E-1		12/16/08	8L09007	AGG-RRL-001
14276-65-4	Gadolinium-153	<7.03E-1	pCi/g dry	7.03E-1		12/16/08	8L09007	AGG-RRL-001
15585-10-1	Europium-154	<4.78E-1	pCi/g dry	4.78E-1		12/16/08	8L09007	AGG-RRL-001
14391-16-3	Europium-155	<7.50E-1	pCi/g dry	7.50E-1		12/16/08	8L09007	AGG-RRL-001
13982-78-0	Mercury-203	<2.56E-1	pCi/g dry	2.56E-1		12/16/08	8L09007	AGG-RRL-001
14913-50-9	Thallium-208	<2.66E-1	pCi/g dry	2.66E-1		12/16/08	8L09007	AGG-RRL-001
14331-79-4	Bismuth-210	<4.06E-1	pCi/g dry	4.06E-1		12/16/08	8L09007	AGG-RRL-001
14255-04-0	Lead-210	<9.46E1	pCi/g dry	9.46E1		12/16/08	8L09007	AGG-RRL-001
	Bismuth-211	<4.74E0	pCi/g dry	4.74E0		12/16/08	8L09007	AGG-RRL-001
	Lead-211	<6.47E0	pCi/g dry	6.47E0		12/16/08	8L09007	AGG-RRL-001
15092-94-1	Lead-212	<5.00E-1	pCi/g dry	5.00E-1		12/16/08	8L09007	AGG-RRL-001
14733-03-0	Bismuth-214	<5.52E-1	pCi/g dry	5.52E-1		12/16/08	8L09007	AGG-RRL-001
15067-28-4	Lead-214	<6.12E-1	pCi/g dry	6.12E-1		12/16/08	8L09007	AGG-RRL-001
14835-02-0	Radon-219	<2.07E0	pCi/g dry	2.07E0		12/16/08	8L09007	AGG-RRL-001
22481-48-7	Radon-220	<1.74E2	pCi/g dry	1.74E2		12/16/08	8L09007	AGG-RRL-001
28522-20-5	Radon-221	<9.93E-1	pCi/g dry	9.93E-1		12/16/08	8L09007	AGG-RRL-001
15756-98-6	Francium-223	<7.23E0	pCi/g dry	7.23E0		12/16/08	8L09007	AGG-RRL-001
15623-45-7	Radium-223	<1.50E0	pCi/g dry	1.50E0		12/16/08	8L09007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V9B9**		**Lab ID:**	**0805003-19**				
13233-32-4	Radium-224	<6.29E0	pCi/g dry	6.29E0		12/16/08	8L09007	AGG-RRL-001
13982-63-3	Radium-226	<6.12E0	pCi/g dry	6.12E0		12/16/08	8L09007	AGG-RRL-001
15623-47-9	Thorium-227	<2.25E0	pCi/g dry	2.25E0		12/16/08	8L09007	AGG-RRL-001
14331-83-0	Actinium-228	<8.82E-1	pCi/g dry	8.82E-1		12/16/08	8L09007	AGG-RRL-001
14274-82-9	Thorium-228	<7.70E1	pCi/g dry	7.70E1		12/16/08	8L09007	AGG-RRL-001
14269-63-7	Thorium-230	<1.04E2	pCi/g dry	1.04E2		12/16/08	8L09007	AGG-RRL-001
14331-85-2	Protactinium-231	<8.14E0	pCi/g dry	8.14E0		12/16/08	8L09007	AGG-RRL-001
14932-40-2	Thorium-231	<4.98E1	pCi/g dry	4.98E1		12/16/08	8L09007	AGG-RRL-001
7440-29-1	Thorium 232	<3.08E2	pCi/g dry	3.08E2		12/16/08	8L09007	AGG-RRL-001
13981-14-1	Protactinium-233	<5.14E-1	pCi/g dry	5.14E-1		12/16/08	8L09007	AGG-RRL-001
15100-28-4	Protactinium-234	<9.02E-1	pCi/g dry	9.02E-1		12/16/08	8L09007	AGG-RRL-001
	Protactinium-234m	<2.48E1	pCi/g dry	2.48E1		12/16/08	8L09007	AGG-RRL-001
15065-10-8	Thorium-234	<8.30E0	pCi/g dry	8.30E0		12/16/08	8L09007	AGG-RRL-001
15117-96-1	Uranium 235	<1.87E0	pCi/g dry	1.87E0		12/16/08	8L09007	AGG-RRL-001
13994-20-2	Neptunium-237	<1.95E0	pCi/g dry	1.95E0		12/16/08	8L09007	AGG-RRL-001
13981-16-3	Plutonium-238	<2.83E3	pCi/g dry	2.83E3		12/16/08	8L09007	AGG-RRL-001
	Uranium 238	<4.30E0	pCi/g dry	4.30E0		12/16/08	8L09007	AGG-RRL-001
15117-48-3	Plutonium-239	<3.15E3	pCi/g dry	3.15E3		12/16/08	8L09007	AGG-RRL-001
14119-33-6	Plutonium-240	<2.89E3	pCi/g dry	2.89E3		12/16/08	8L09007	AGG-RRL-001
14596-10-2	Americium-241	<1.55E0	pCi/g dry	1.55E0		12/16/08	8L09007	AGG-RRL-001
14993-75-0	Americium-243	<5.71E-1	pCi/g dry	5.71E-1		12/16/08	8L09007	AGG-RRL-001
15757-87-6	Curium-243	<8.83E-1	pCi/g dry	8.83E-1		12/16/08	8L09007	AGG-RRL-001
15621-76-8	Curium-245	<7.26E-1	pCi/g dry	7.26E-1		12/16/08	8L09007	AGG-RRL-001
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**				
13966-32-0	Sodium-22	<2.36E-1	pCi/g dry	2.36E-1		12/16/08	8L09007	AGG-RRL-001
13966-00-2	Potassium-40	2.12E1	pCi/g dry	2.05E0	9.38E-1	12/16/08	8L09007	AGG-RRL-001
14392-02-0	Chromium-51	<2.32E0	pCi/g dry	2.32E0		12/16/08	8L09007	AGG-RRL-001
13966-31-9	Manganese-54	<2.33E-1	pCi/g dry	2.33E-1		12/16/08	8L09007	AGG-RRL-001
13981-50-5	Cobalt-57	<2.62E-1	pCi/g dry	2.62E-1		12/16/08	8L09007	AGG-RRL-001
14596-12-4	Iron-59	<4.33E-1	pCi/g dry	4.33E-1		12/16/08	8L09007	AGG-RRL-001
10198-40-0	Cobalt-60	<2.15E-1	pCi/g dry	2.15E-1		12/16/08	8L09007	AGG-RRL-001
13982-39-3	Zinc-65	<5.26E-1	pCi/g dry	5.26E-1		12/16/08	8L09007	AGG-RRL-001
14265-71-5	Selenium-75	<3.90E-1	pCi/g dry	3.90E-1		12/16/08	8L09007	AGG-RRL-001
17056-36-9	Rubidium-83	<5.41E-1	pCi/g dry	5.41E-1		12/16/08	8L09007	AGG-RRL-001
13967-73-2	Strontium-85	<2.50E-1	pCi/g dry	2.50E-1		12/16/08	8L09007	AGG-RRL-001
14932-53-7	Rubidium-86	<2.80E0	pCi/g dry	2.80E0		12/16/08	8L09007	AGG-RRL-001
13982-36-0	Yttrium-88	<1.78E-1	pCi/g dry	1.78E-1		12/16/08	8L09007	AGG-RRL-001
14681-63-1	Niobium-94	<2.17E-1	pCi/g dry	2.17E-1		12/16/08	8L09007	AGG-RRL-001
13967-76-5	Niobium-95	<2.34E-1	pCi/g dry	2.34E-1		12/16/08	8L09007	AGG-RRL-001
	Niobium-95m	<1.09E0	pCi/g dry	1.09E0		12/16/08	8L09007	AGG-RRL-001
	Technetium-95m	<3.72E-1	pCi/g dry	3.72E-1		12/16/08	8L09007	AGG-RRL-001
13967-71-0	Zirconium-95	<3.97E-1	pCi/g dry	3.97E-1		12/16/08	8L09007	AGG-RRL-001
	Technetium-99m	<2.56E-1	pCi/g dry	2.56E-1		12/16/08	8L09007	AGG-RRL-001
13968-53-1	Ruthenium-103	<2.51E-1	pCi/g dry	2.51E-1		12/16/08	8L09007	AGG-RRL-001
13967-48-1	Ruthenium-106	<2.65E0	pCi/g dry	2.65E0		12/16/08	8L09007	AGG-RRL-001
14391-65-2	Silver-108m	<2.38E-1	pCi/g dry	2.38E-1		12/16/08	8L09007	AGG-RRL-001
14109-32-1	Cadmium-109	<8.12E0	pCi/g dry	8.12E0		12/16/08	8L09007	AGG-RRL-001
	Silver-110	<2.24E-1	pCi/g dry	2.24E-1		12/16/08	8L09007	AGG-RRL-001

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CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**				
14391-76-5	Silver-110m	<2.24E-1	pCi/g dry	2.24E-1		12/16/08	8L09007	AGG-RRL-001
13966-06-8	Tin-113	<3.30E-1	pCi/g dry	3.30E-1		12/16/08	8L09007	AGG-RRL-001
14683-10-4	Antimony-124	<2.81E-1	pCi/g dry	2.81E-1		12/16/08	8L09007	AGG-RRL-001
14234-35-6	Antimony-125	<7.24E-1	pCi/g dry	7.24E-1		12/16/08	8L09007	AGG-RRL-001
15756-32-8	Antimony-126	<2.03E-1	pCi/g dry	2.03E-1		12/16/08	8L09007	AGG-RRL-001
15832-50-5	Tin-126	<6.62E-1	pCi/g dry	6.62E-1		12/16/08	8L09007	AGG-RRL-001
10043-66-0	Iodine-131	<2.92E-1	pCi/g dry	2.92E-1		12/16/08	8L09007	AGG-RRL-001
13981-41-4	Barium-133	<4.08E-1	pCi/g dry	4.08E-1		12/16/08	8L09007	AGG-RRL-001
13967-70-9	Cesium-134	<2.61E-1	pCi/g dry	2.61E-1		12/16/08	8L09007	AGG-RRL-001
10045-97-3	Cesium-137	<2.44E-1	pCi/g dry	2.44E-1		12/16/08	8L09007	AGG-RRL-001
13982-30-4	Cerium-139	<2.86E-1	pCi/g dry	2.86E-1		12/16/08	8L09007	AGG-RRL-001
14762-78-8	Cerium-144	<2.10E0	pCi/g dry	2.10E0		12/16/08	8L09007	AGG-RRL-001
14683-23-9	Europium-152	<9.60E-1	pCi/g dry	9.60E-1		12/16/08	8L09007	AGG-RRL-001
14276-65-4	Gadolinium-153	<8.56E-1	pCi/g dry	8.56E-1		12/16/08	8L09007	AGG-RRL-001
15585-10-1	Europium-154	<5.56E-1	pCi/g dry	5.56E-1		12/16/08	8L09007	AGG-RRL-001
14391-16-3	Europium-155	<9.42E-1	pCi/g dry	9.42E-1		12/16/08	8L09007	AGG-RRL-001
13982-78-0	Mercury-203	<2.92E-1	pCi/g dry	2.92E-1		12/16/08	8L09007	AGG-RRL-001
14913-50-9	Thallium-208	<3.04E-1	pCi/g dry	3.04E-1		12/16/08	8L09007	AGG-RRL-001
14331-79-4	Bismuth-210	<4.71E-1	pCi/g dry	4.71E-1		12/16/08	8L09007	AGG-RRL-001
14255-04-0	Lead-210	<4.49E1	pCi/g dry	4.49E1		12/16/08	8L09007	AGG-RRL-001
	Bismuth-211	<5.17E0	pCi/g dry	5.17E0		12/16/08	8L09007	AGG-RRL-001
	Lead-211	<7.05E0	pCi/g dry	7.05E0		12/16/08	8L09007	AGG-RRL-001
15092-94-1	Lead-212	9.28E-1	pCi/g dry	6.28E-1	1.44E-1	12/16/08	8L09007	AGG-RRL-001
14733-03-0	Bismuth-214	<6.03E-1	pCi/g dry	6.03E-1		12/16/08	8L09007	AGG-RRL-001
15067-28-4	Lead-214	<6.66E-1	pCi/g dry	6.66E-1		12/16/08	8L09007	AGG-RRL-001
14835-02-0	Radon-219	<2.29E0	pCi/g dry	2.29E0		12/16/08	8L09007	AGG-RRL-001
22481-48-7	Radon-220	<2.14E2	pCi/g dry	2.14E2		12/16/08	8L09007	AGG-RRL-001
28522-20-5	Radon-221	<1.09E0	pCi/g dry	1.09E0		12/16/08	8L09007	AGG-RRL-001
15756-98-6	Francium-223	<7.98E0	pCi/g dry	7.98E0		12/16/08	8L09007	AGG-RRL-001
15623-45-7	Radium-223	<1.69E0	pCi/g dry	1.69E0		12/16/08	8L09007	AGG-RRL-001
13233-32-4	Radium-224	<6.82E0	pCi/g dry	6.82E0		12/16/08	8L09007	AGG-RRL-001
13982-63-3	Radium-226	<6.68E0	pCi/g dry	6.68E0		12/16/08	8L09007	AGG-RRL-001
15623-47-9	Thorium-227	<2.42E0	pCi/g dry	2.42E0		12/16/08	8L09007	AGG-RRL-001
14331-83-0	Actinium-228	<9.96E-1	pCi/g dry	9.96E-1		12/16/08	8L09007	AGG-RRL-001
14274-82-9	Thorium-228	<8.79E1	pCi/g dry	8.79E1		12/16/08	8L09007	AGG-RRL-001
14269-63-7	Thorium-230	<1.16E2	pCi/g dry	1.16E2		12/16/08	8L09007	AGG-RRL-001
14331-85-2	Protactinium-231	<1.02E1	pCi/g dry	1.02E1		12/16/08	8L09007	AGG-RRL-001
14932-40-2	Thorium-231	<5.94E1	pCi/g dry	5.94E1		12/16/08	8L09007	AGG-RRL-001
7440-29-1	Thorium 232	<2.98E2	pCi/g dry	2.98E2		12/16/08	8L09007	AGG-RRL-001
13981-14-1	Protactinium-233	<6.27E-1	pCi/g dry	6.27E-1		12/16/08	8L09007	AGG-RRL-001
15100-28-4	Protactinium-234	<1.12E0	pCi/g dry	1.12E0		12/16/08	8L09007	AGG-RRL-001
	Protactinium-234m	<2.66E1	pCi/g dry	2.66E1		12/16/08	8L09007	AGG-RRL-001
15065-10-8	Thorium-234	<9.88E0	pCi/g dry	9.88E0		12/16/08	8L09007	AGG-RRL-001
15117-96-1	Uranium 235	<2.15E0	pCi/g dry	2.15E0		12/16/08	8L09007	AGG-RRL-001
13994-20-2	Neptunium-237	<2.45E0	pCi/g dry	2.45E0		12/16/08	8L09007	AGG-RRL-001
13981-16-3	Plutonium-238	<3.46E3	pCi/g dry	3.46E3		12/16/08	8L09007	AGG-RRL-001
	Uranium 238	<5.10E0	pCi/g dry	5.10E0		12/16/08	8L09007	AGG-RRL-001
15117-48-3	Plutonium-239	<3.62E3	pCi/g dry	3.62E3		12/16/08	8L09007	AGG-RRL-001
14119-33-6	Plutonium-240	<3.41E3	pCi/g dry	3.41E3		12/16/08	8L09007	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**				
14596-10-2	Americium-241	<1.53E0	pCi/g dry	1.53E0		12/16/08	8L09007	AGG-RRL-001
14993-75-0	Americium-243	<6.26E-1	pCi/g dry	6.26E-1		12/16/08	8L09007	AGG-RRL-001
15757-87-6	Curium-243	<1.05E0	pCi/g dry	1.05E0		12/16/08	8L09007	AGG-RRL-001
15621-76-8	Curium-245	<8.58E-1	pCi/g dry	8.58E-1		12/16/08	8L09007	AGG-RRL-001
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**				
13966-32-0	Sodium-22	<2.31E-1	pCi/g dry	2.31E-1		12/16/08	8L09007	AGG-RRL-001
13966-00-2	Potassium-40	1.97E1	pCi/g dry	1.94E0	9.13E-1	12/16/08	8L09007	AGG-RRL-001
14392-02-0	Chromium-51	<1.94E0	pCi/g dry	1.94E0		12/16/08	8L09007	AGG-RRL-001
13966-31-9	Manganese-54	<2.00E-1	pCi/g dry	2.00E-1		12/16/08	8L09007	AGG-RRL-001
13981-50-5	Cobalt-57	<2.29E-1	pCi/g dry	2.29E-1		12/16/08	8L09007	AGG-RRL-001
14596-12-4	Iron-59	<3.71E-1	pCi/g dry	3.71E-1		12/16/08	8L09007	AGG-RRL-001
10198-40-0	Cobalt-60	<1.75E-1	pCi/g dry	1.75E-1		12/16/08	8L09007	AGG-RRL-001
13982-39-3	Zinc-65	<4.74E-1	pCi/g dry	4.74E-1		12/16/08	8L09007	AGG-RRL-001
14265-71-5	Selenium-75	<3.29E-1	pCi/g dry	3.29E-1		12/16/08	8L09007	AGG-RRL-001
17056-36-9	Rubidium-83	<4.04E-1	pCi/g dry	4.04E-1		12/16/08	8L09007	AGG-RRL-001
13967-73-2	Strontium-85	<2.49E-1	pCi/g dry	2.49E-1		12/16/08	8L09007	AGG-RRL-001
14932-53-7	Rubidium-86	<2.26E0	pCi/g dry	2.26E0		12/16/08	8L09007	AGG-RRL-001
13982-36-0	Yttrium-88	<1.23E-1	pCi/g dry	1.23E-1		12/16/08	8L09007	AGG-RRL-001
14681-63-1	Niobium-94	<1.81E-1	pCi/g dry	1.81E-1		12/16/08	8L09007	AGG-RRL-001
13967-76-5	Niobium-95	<1.98E-1	pCi/g dry	1.98E-1		12/16/08	8L09007	AGG-RRL-001
	Niobium-95m	<1.01E0	pCi/g dry	1.01E0		12/16/08	8L09007	AGG-RRL-001
	Technetium-95m	<3.32E-1	pCi/g dry	3.32E-1		12/16/08	8L09007	AGG-RRL-001
13967-71-0	Zirconium-95	<3.28E-1	pCi/g dry	3.28E-1		12/16/08	8L09007	AGG-RRL-001
	Technetium-99m	<2.21E-1	pCi/g dry	2.21E-1		12/16/08	8L09007	AGG-RRL-001
13968-53-1	Ruthenium-103	<2.14E-1	pCi/g dry	2.14E-1		12/16/08	8L09007	AGG-RRL-001
13967-48-1	Ruthenium-106	<1.98E0	pCi/g dry	1.98E0		12/16/08	8L09007	AGG-RRL-001
14391-65-2	Silver-108m	<2.08E-1	pCi/g dry	2.08E-1		12/16/08	8L09007	AGG-RRL-001
14109-32-1	Cadmium-109	<6.76E0	pCi/g dry	6.76E0		12/16/08	8L09007	AGG-RRL-001
	Silver-110	<2.08E-1	pCi/g dry	2.08E-1		12/16/08	8L09007	AGG-RRL-001
14391-76-5	Silver-110m	<2.08E-1	pCi/g dry	2.08E-1		12/16/08	8L09007	AGG-RRL-001
13966-06-8	Tin-113	<2.80E-1	pCi/g dry	2.80E-1		12/16/08	8L09007	AGG-RRL-001
14683-10-4	Antimony-124	<2.19E-1	pCi/g dry	2.19E-1		12/16/08	8L09007	AGG-RRL-001
14234-35-6	Antimony-125	<6.28E-1	pCi/g dry	6.28E-1		12/16/08	8L09007	AGG-RRL-001
15756-32-8	Antimony-126	<1.95E-1	pCi/g dry	1.95E-1		12/16/08	8L09007	AGG-RRL-001
15832-50-5	Tin-126	<5.37E-1	pCi/g dry	5.37E-1		12/16/08	8L09007	AGG-RRL-001
10043-66-0	Iodine-131	<2.24E-1	pCi/g dry	2.24E-1		12/16/08	8L09007	AGG-RRL-001
13981-41-4	Barium-133	<3.86E-1	pCi/g dry	3.86E-1		12/16/08	8L09007	AGG-RRL-001
13967-70-9	Cesium-134	<2.19E-1	pCi/g dry	2.19E-1		12/16/08	8L09007	AGG-RRL-001
10045-97-3	Cesium-137	<2.36E-1	pCi/g dry	2.36E-1		12/16/08	8L09007	AGG-RRL-001
13982-30-4	Cerium-139	<2.45E-1	pCi/g dry	2.45E-1		12/16/08	8L09007	AGG-RRL-001
14762-78-8	Cerium-144	<1.83E0	pCi/g dry	1.83E0		12/16/08	8L09007	AGG-RRL-001
14683-23-9	Europium-152	<7.85E-1	pCi/g dry	7.85E-1		12/16/08	8L09007	AGG-RRL-001
14276-65-4	Gadolinium-153	<7.29E-1	pCi/g dry	7.29E-1		12/16/08	8L09007	AGG-RRL-001
15585-10-1	Europium-154	<4.79E-1	pCi/g dry	4.79E-1		12/16/08	8L09007	AGG-RRL-001
14391-16-3	Europium-155	<7.54E-1	pCi/g dry	7.54E-1		12/16/08	8L09007	AGG-RRL-001
13982-78-0	Mercury-203	<2.59E-1	pCi/g dry	2.59E-1		12/16/08	8L09007	AGG-RRL-001
14913-50-9	Thallium-208	<2.23E-1	pCi/g dry	2.23E-1		12/16/08	8L09007	AGG-RRL-001
14331-79-4	Bismuth-210	<3.97E-1	pCi/g dry	3.97E-1		12/16/08	8L09007	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**				
14255-04-0	Lead-210	<4.67E1	pCi/g dry	4.67E1		12/16/08	8L09007	AGG-RRL-001
	Bismuth-211	<4.51E0	pCi/g dry	4.51E0		12/16/08	8L09007	AGG-RRL-001
	Lead-211	<6.17E0	pCi/g dry	6.17E0		12/16/08	8L09007	AGG-RRL-001
15092-94-1	Lead-212	5.55E-1	pCi/g dry	4.10E-1	9.27E-2	12/16/08	8L09007	AGG-RRL-001
14733-03-0	Bismuth-214	<5.56E-1	pCi/g dry	5.56E-1		12/16/08	8L09007	AGG-RRL-001
15067-28-4	Lead-214	<6.25E-1	pCi/g dry	6.25E-1		12/16/08	8L09007	AGG-RRL-001
14835-02-0	Radon-219	<2.00E0	pCi/g dry	2.00E0		12/16/08	8L09007	AGG-RRL-001
22481-48-7	Radon-220	<1.67E2	pCi/g dry	1.67E2		12/16/08	8L09007	AGG-RRL-001
28522-20-5	Radon-221	<9.72E-1	pCi/g dry	9.72E-1		12/16/08	8L09007	AGG-RRL-001
15756-98-6	Francium-223	<7.33E0	pCi/g dry	7.33E0		12/16/08	8L09007	AGG-RRL-001
15623-45-7	Radium-223	<1.43E0	pCi/g dry	1.43E0		12/16/08	8L09007	AGG-RRL-001
13233-32-4	Radium-224	<6.46E0	pCi/g dry	6.46E0		12/16/08	8L09007	AGG-RRL-001
13982-63-3	Radium-226	<6.02E0	pCi/g dry	6.02E0		12/16/08	8L09007	AGG-RRL-001
15623-47-9	Thorium-227	<2.25E0	pCi/g dry	2.25E0		12/16/08	8L09007	AGG-RRL-001
14331-83-0	Actinium-228	<8.43E-1	pCi/g dry	8.43E-1		12/16/08	8L09007	AGG-RRL-001
14274-82-9	Thorium-228	<7.70E1	pCi/g dry	7.70E1		12/16/08	8L09007	AGG-RRL-001
14269-63-7	Thorium-230	<1.03E2	pCi/g dry	1.03E2		12/16/08	8L09007	AGG-RRL-001
14331-85-2	Protactinium-231	<8.39E0	pCi/g dry	8.39E0		12/16/08	8L09007	AGG-RRL-001
14932-40-2	Thorium-231	<5.09E1	pCi/g dry	5.09E1		12/16/08	8L09007	AGG-RRL-001
7440-29-1	Thorium 232	<3.19E2	pCi/g dry	3.19E2		12/16/08	8L09007	AGG-RRL-001
13981-14-1	Protactinium-233	<5.28E-1	pCi/g dry	5.28E-1		12/16/08	8L09007	AGG-RRL-001
15100-28-4	Protactinium-234	<9.22E-1	pCi/g dry	9.22E-1		12/16/08	8L09007	AGG-RRL-001
	Protactinium-234m	<2.23E1	pCi/g dry	2.23E1		12/16/08	8L09007	AGG-RRL-001
15065-10-8	Thorium-234	<8.65E0	pCi/g dry	8.65E0		12/16/08	8L09007	AGG-RRL-001
15117-96-1	Uranium 235	<1.86E0	pCi/g dry	1.86E0		12/16/08	8L09007	AGG-RRL-001
13994-20-2	Neptunium-237	<1.96E0	pCi/g dry	1.96E0		12/16/08	8L09007	AGG-RRL-001
13981-16-3	Plutonium-238	<2.90E3	pCi/g dry	2.90E3		12/16/08	8L09007	AGG-RRL-001
	Uranium 238	<4.48E0	pCi/g dry	4.48E0		12/16/08	8L09007	AGG-RRL-001
15117-48-3	Plutonium-239	<3.09E3	pCi/g dry	3.09E3		12/16/08	8L09007	AGG-RRL-001
14119-33-6	Plutonium-240	<2.96E3	pCi/g dry	2.96E3		12/16/08	8L09007	AGG-RRL-001
14596-10-2	Americium-241	<1.60E0	pCi/g dry	1.60E0		12/16/08	8L09007	AGG-RRL-001
14993-75-0	Americium-243	<5.56E-1	pCi/g dry	5.56E-1		12/16/08	8L09007	AGG-RRL-001
15757-87-6	Curium-243	<9.04E-1	pCi/g dry	9.04E-1		12/16/08	8L09007	AGG-RRL-001
15621-76-8	Curium-245	<7.42E-1	pCi/g dry	7.42E-1		12/16/08	8L09007	AGG-RRL-001
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**				
13966-32-0	Sodium-22	<2.61E-1	pCi/g dry	2.61E-1		12/16/08	8L09007	AGG-RRL-001
13966-00-2	Potassium-40	2.14E1	pCi/g dry	1.63E0	9.48E-1	12/16/08	8L09007	AGG-RRL-001
14392-02-0	Chromium-51	<2.50E0	pCi/g dry	2.50E0		12/16/08	8L09007	AGG-RRL-001
13966-31-9	Manganese-54	<2.52E-1	pCi/g dry	2.52E-1		12/16/08	8L09007	AGG-RRL-001
13981-50-5	Cobalt-57	<2.87E-1	pCi/g dry	2.87E-1		12/16/08	8L09007	AGG-RRL-001
14596-12-4	Iron-59	<4.81E-1	pCi/g dry	4.81E-1		12/16/08	8L09007	AGG-RRL-001
10198-40-0	Cobalt-60	<2.52E-1	pCi/g dry	2.52E-1		12/16/08	8L09007	AGG-RRL-001
13982-39-3	Zinc-65	<5.88E-1	pCi/g dry	5.88E-1		12/16/08	8L09007	AGG-RRL-001
14265-71-5	Selenium-75	<4.28E-1	pCi/g dry	4.28E-1		12/16/08	8L09007	AGG-RRL-001
17056-36-9	Rubidium-83	<6.53E-1	pCi/g dry	6.53E-1		12/16/08	8L09007	AGG-RRL-001
13967-73-2	Strontium-85	<3.00E-1	pCi/g dry	3.00E-1		12/16/08	8L09007	AGG-RRL-001
14932-53-7	Rubidium-86	<3.30E0	pCi/g dry	3.30E0		12/16/08	8L09007	AGG-RRL-001
13982-36-0	Yttrium-88	<2.08E-1	pCi/g dry	2.08E-1		12/16/08	8L09007	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**				
14681-63-1	Niobium-94	<2.36E-1	pCi/g dry	2.36E-1		12/16/08	8L09007	AGG-RRL-001
13967-76-5	Niobium-95	<2.72E-1	pCi/g dry	2.72E-1		12/16/08	8L09007	AGG-RRL-001
	Niobium-95m	<1.23E0	pCi/g dry	1.23E0		12/16/08	8L09007	AGG-RRL-001
	Technetium-95m	<4.11E-1	pCi/g dry	4.11E-1		12/16/08	8L09007	AGG-RRL-001
13967-71-0	Zirconium-95	<4.78E-1	pCi/g dry	4.78E-1		12/16/08	8L09007	AGG-RRL-001
	Technetium-99m	<2.75E-1	pCi/g dry	2.75E-1		12/16/08	8L09007	AGG-RRL-001
13968-53-1	Ruthenium-103	<2.95E-1	pCi/g dry	2.95E-1		12/16/08	8L09007	AGG-RRL-001
13967-48-1	Ruthenium-106	<3.05E0	pCi/g dry	3.05E0		12/16/08	8L09007	AGG-RRL-001
14391-65-2	Silver-108m	<2.45E-1	pCi/g dry	2.45E-1		12/16/08	8L09007	AGG-RRL-001
14109-32-1	Cadmium-109	<9.03E0	pCi/g dry	9.03E0		12/16/08	8L09007	AGG-RRL-001
	Silver-110	<2.72E-1	pCi/g dry	2.72E-1		12/16/08	8L09007	AGG-RRL-001
14391-76-5	Silver-110m	<2.73E-1	pCi/g dry	2.73E-1		12/16/08	8L09007	AGG-RRL-001
13966-06-8	Tin-113	<3.73E-1	pCi/g dry	3.73E-1		12/16/08	8L09007	AGG-RRL-001
14683-10-4	Antimony-124	<3.06E-1	pCi/g dry	3.06E-1		12/16/08	8L09007	AGG-RRL-001
14234-35-6	Antimony-125	<7.76E-1	pCi/g dry	7.76E-1		12/16/08	8L09007	AGG-RRL-001
15756-32-8	Antimony-126	<2.53E-1	pCi/g dry	2.53E-1		12/16/08	8L09007	AGG-RRL-001
15832-50-5	Tin-126	<7.39E-1	pCi/g dry	7.39E-1		12/16/08	8L09007	AGG-RRL-001
10043-66-0	Iodine-131	<3.40E-1	pCi/g dry	3.40E-1		12/16/08	8L09007	AGG-RRL-001
13981-41-4	Barium-133	<4.83E-1	pCi/g dry	4.83E-1		12/16/08	8L09007	AGG-RRL-001
13967-70-9	Cesium-134	<2.93E-1	pCi/g dry	2.93E-1		12/16/08	8L09007	AGG-RRL-001
10045-97-3	Cesium-137	<3.01E-1	pCi/g dry	3.01E-1		12/16/08	8L09007	AGG-RRL-001
13982-30-4	Cerium-139	<3.20E-1	pCi/g dry	3.20E-1		12/16/08	8L09007	AGG-RRL-001
14762-78-8	Cerium-144	<2.24E0	pCi/g dry	2.24E0		12/16/08	8L09007	AGG-RRL-001
14683-23-9	Europium-152	<1.06E0	pCi/g dry	1.06E0		12/16/08	8L09007	AGG-RRL-001
14276-65-4	Gadolinium-153	<9.56E-1	pCi/g dry	9.56E-1		12/16/08	8L09007	AGG-RRL-001
15585-10-1	Europium-154	<6.07E-1	pCi/g dry	6.07E-1		12/16/08	8L09007	AGG-RRL-001
14391-16-3	Europium-155	<1.05E0	pCi/g dry	1.05E0		12/16/08	8L09007	AGG-RRL-001
13982-78-0	Mercury-203	<3.25E-1	pCi/g dry	3.25E-1		12/16/08	8L09007	AGG-RRL-001
14913-50-9	Thallium-208	<3.30E-1	pCi/g dry	3.30E-1		12/16/08	8L09007	AGG-RRL-001
14331-79-4	Bismuth-210	<5.11E-1	pCi/g dry	5.11E-1		12/16/08	8L09007	AGG-RRL-001
14255-04-0	Lead-210	<5.28E1	pCi/g dry	5.28E1		12/16/08	8L09007	AGG-RRL-001
	Bismuth-211	<6.09E0	pCi/g dry	6.09E0		12/16/08	8L09007	AGG-RRL-001
	Lead-211	<8.32E0	pCi/g dry	8.32E0		12/16/08	8L09007	AGG-RRL-001
15092-94-1	Lead-212	<7.10E-1	pCi/g dry	7.10E-1		12/16/08	8L09007	AGG-RRL-001
14733-03-0	Bismuth-214	<6.61E-1	pCi/g dry	6.61E-1		12/16/08	8L09007	AGG-RRL-001
15067-28-4	Lead-214	<7.77E-1	pCi/g dry	7.77E-1		12/16/08	8L09007	AGG-RRL-001
14835-02-0	Radon-219	<2.60E0	pCi/g dry	2.60E0		12/16/08	8L09007	AGG-RRL-001
22481-48-7	Radon-220	<2.46E2	pCi/g dry	2.46E2		12/16/08	8L09007	AGG-RRL-001
28522-20-5	Radon-221	<1.24E0	pCi/g dry	1.24E0		12/16/08	8L09007	AGG-RRL-001
15756-98-6	Francium-223	<9.07E0	pCi/g dry	9.07E0		12/16/08	8L09007	AGG-RRL-001
15623-45-7	Radium-223	<1.88E0	pCi/g dry	1.88E0		12/16/08	8L09007	AGG-RRL-001
13233-32-4	Radium-224	<7.62E0	pCi/g dry	7.62E0		12/16/08	8L09007	AGG-RRL-001
13982-63-3	Radium-226	<7.69E0	pCi/g dry	7.69E0		12/16/08	8L09007	AGG-RRL-001
15623-47-9	Thorium-227	<2.75E0	pCi/g dry	2.75E0		12/16/08	8L09007	AGG-RRL-001
14331-83-0	Actinium-228	<1.14E0	pCi/g dry	1.14E0		12/16/08	8L09007	AGG-RRL-001
14274-82-9	Thorium-228	<9.97E1	pCi/g dry	9.97E1		12/16/08	8L09007	AGG-RRL-001
14269-63-7	Thorium-230	<1.32E2	pCi/g dry	1.32E2		12/16/08	8L09007	AGG-RRL-001
14331-85-2	Protactinium-231	<1.15E1	pCi/g dry	1.15E1		12/16/08	8L09007	AGG-RRL-001
14932-40-2	Thorium-231	<6.70E1	pCi/g dry	6.70E1		12/16/08	8L09007	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**				
7440-29-1	Thorium 232	<3.46E2	pCi/g dry	3.46E2		12/16/08	8L09007	AGG-RRL-001
13981-14-1	Protactinium-233	<6.83E-1	pCi/g dry	6.83E-1		12/16/08	8L09007	AGG-RRL-001
15100-28-4	Protactinium-234	<1.22E0	pCi/g dry	1.22E0		12/16/08	8L09007	AGG-RRL-001
	Protactinium-234m	<2.91E1	pCi/g dry	2.91E1		12/16/08	8L09007	AGG-RRL-001
15065-10-8	Thorium-234	<1.11E1	pCi/g dry	1.11E1		12/16/08	8L09007	AGG-RRL-001
15117-96-1	Uranium 235	<2.35E0	pCi/g dry	2.35E0		12/16/08	8L09007	AGG-RRL-001
13994-20-2	Neptunium-237	<2.73E0	pCi/g dry	2.73E0		12/16/08	8L09007	AGG-RRL-001
13981-16-3	Plutonium-238	<3.92E3	pCi/g dry	3.92E3		12/16/08	8L09007	AGG-RRL-001
	Uranium 238	<5.67E0	pCi/g dry	5.67E0		12/16/08	8L09007	AGG-RRL-001
15117-48-3	Plutonium-239	<3.91E3	pCi/g dry	3.91E3		12/16/08	8L09007	AGG-RRL-001
14119-33-6	Plutonium-240	<3.86E3	pCi/g dry	3.86E3		12/16/08	8L09007	AGG-RRL-001
14596-10-2	Americium-241	<1.76E0	pCi/g dry	1.76E0		12/16/08	8L09007	AGG-RRL-001
14993-75-0	Americium-243	<6.95E-1	pCi/g dry	6.95E-1		12/16/08	8L09007	AGG-RRL-001
15757-87-6	Curium-243	<1.18E0	pCi/g dry	1.18E0		12/16/08	8L09007	AGG-RRL-001
15621-76-8	Curium-245	<9.68E-1	pCi/g dry	9.68E-1		12/16/08	8L09007	AGG-RRL-001

Total Alpha Total Beta/Acid Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V993**		**Lab ID:**	**0805003-03**				
12587-47-2	Gross Beta	<9.78E1	pCi/g dry	9.78E1		3/17/09	9C16001	AGG-RRL-002
12587-46-1	Gross Alpha	<4.35E1	pCi/g dry	4.35E1		3/17/09	9C16001	AGG-RRL-002
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**				
12587-47-2	Gross Beta	<1.04E2	pCi/g dry	1.04E2		3/17/09	9C16001	AGG-RRL-002
12587-46-1	Gross Alpha	<4.60E1	pCi/g dry	4.60E1		3/17/09	9C16001	AGG-RRL-002
HEIS No.	**B1V997**		**Lab ID:**	**0805003-07**				
12587-47-2	Gross Beta	<1.04E2	pCi/g dry	1.04E2		3/17/09	9C16001	AGG-RRL-002
12587-46-1	Gross Alpha	<4.64E1	pCi/g dry	4.64E1		3/17/09	9C16001	AGG-RRL-002
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**				
12587-47-2	Gross Beta	<1.04E2	pCi/g dry	1.04E2		3/18/09	9C16001	AGG-RRL-002
12587-46-1	Gross Alpha	<4.63E1	pCi/g dry	4.63E1		3/18/09	9C16001	AGG-RRL-002
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**				
12587-47-2	Gross Beta	<1.06E2	pCi/g dry	1.06E2		3/18/09	9C16001	AGG-RRL-002
12587-46-1	Gross Alpha	<4.71E1	pCi/g dry	4.71E1		3/18/09	9C16001	AGG-RRL-002
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**				
12587-47-2	Gross Beta	<1.03E2	pCi/g dry	1.03E2		3/18/09	9C16001	AGG-RRL-002
12587-46-1	Gross Alpha	<4.60E1	pCi/g dry	4.60E1		3/18/09	9C16001	AGG-RRL-002
HEIS No.	**B1V9B5**		**Lab ID:**	**0805003-15**				
12587-47-2	Gross Beta	<1.02E2	pCi/g dry	1.02E2		3/18/09	9C16001	AGG-RRL-002
12587-46-1	Gross Alpha	<4.52E1	pCi/g dry	4.52E1		3/18/09	9C16001	AGG-RRL-002
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**				
12587-47-2	Gross Beta	<9.99E1	pCi/g dry	9.99E1		3/18/09	9C16001	AGG-RRL-002
12587-46-1	Gross Alpha	<4.44E1	pCi/g dry	4.44E1		3/18/09	9C16001	AGG-RRL-002
HEIS No.	**B1V9B9**		**Lab ID:**	**0805003-19**				
12587-47-2	Gross Beta	<1.02E2	pCi/g dry	1.02E2		3/18/09	9C16001	AGG-RRL-002
12587-46-1	Gross Alpha	<4.52E1	pCi/g dry	4.52E1		3/18/09	9C16001	AGG-RRL-002
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**				
12587-47-2	Gross Beta	<1.01E2	pCi/g dry	1.01E2		3/18/09	9C16001	AGG-RRL-002
12587-46-1	Gross Alpha	<4.49E1	pCi/g dry	4.49E1		3/18/09	9C16001	AGG-RRL-002
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**				
12587-47-2	Gross Beta	<1.02E2	pCi/g dry	1.02E2		3/18/09	9C16001	AGG-RRL-002
12587-46-1	Gross Alpha	<4.54E1	pCi/g dry	4.54E1		3/18/09	9C16001	AGG-RRL-002
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**				
12587-47-2	Gross Beta	<1.01E2	pCi/g dry	1.01E2		3/18/09	9C16001	AGG-RRL-002
12587-46-1	Gross Alpha	<4.51E1	pCi/g dry	4.51E1		3/18/09	9C16001	AGG-RRL-002

Total Alpha Total Beta/Water Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	**B1V993**		**Lab ID:**	**0805003-03**				
12587-47-2	Gross Beta	<3.17E1	pCi/g dry	3.17E1		3/17/09	8L15002	AGG-RRL-002
12587-46-1	Gross Alpha	<1.41E1	pCi/g dry	1.41E1		3/17/09	8L15002	AGG-RRL-002
HEIS No.	**B1V995**		**Lab ID:**	**0805003-05**				
12587-47-2	Gross Beta	<3.32E1	pCi/g dry	3.32E1		3/17/09	8L15002	AGG-RRL-002
12587-46-1	Gross Alpha	<1.47E1	pCi/g dry	1.47E1		3/17/09	8L15002	AGG-RRL-002
HEIS No.	**B1V997**		**Lab ID:**	**0805003-07**				
12587-47-2	Gross Beta	<3.41E1	pCi/g dry	3.41E1		3/17/09	8L15002	AGG-RRL-002
12587-46-1	Gross Alpha	<1.52E1	pCi/g dry	1.52E1		3/17/09	8L15002	AGG-RRL-002
HEIS No.	**B1V999**		**Lab ID:**	**0805003-09**				
12587-47-2	Gross Beta	<3.31E1	pCi/g dry	3.31E1		3/17/09	8L15002	AGG-RRL-002
12587-46-1	Gross Alpha	<1.47E1	pCi/g dry	1.47E1		3/17/09	8L15002	AGG-RRL-002
HEIS No.	**B1V9B1**		**Lab ID:**	**0805003-11**				
12587-47-2	Gross Beta	<3.35E1	pCi/g dry	3.35E1		3/17/09	8L15002	AGG-RRL-002
12587-46-1	Gross Alpha	<1.49E1	pCi/g dry	1.49E1		3/17/09	8L15002	AGG-RRL-002
HEIS No.	**B1V9B3**		**Lab ID:**	**0805003-13**				
12587-47-2	Gross Beta	<3.26E1	pCi/g dry	3.26E1		3/17/09	8L15002	AGG-RRL-002
12587-46-1	Gross Alpha	<1.45E1	pCi/g dry	1.45E1		3/17/09	8L15002	AGG-RRL-002
HEIS No.	**B1V9B5**		**Lab ID:**	**0805003-15**				
12587-47-2	Gross Beta	<3.13E1	pCi/g dry	3.13E1		3/17/09	8L15002	AGG-RRL-002
12587-46-1	Gross Alpha	<1.39E1	pCi/g dry	1.39E1		3/17/09	8L15002	AGG-RRL-002
HEIS No.	**B1V9B7**		**Lab ID:**	**0805003-17**				
12587-47-2	Gross Beta	<3.14E1	pCi/g dry	3.14E1		3/17/09	8L15002	AGG-RRL-002
12587-46-1	Gross Alpha	<1.40E1	pCi/g dry	1.40E1		3/17/09	8L15002	AGG-RRL-002
HEIS No.	**B1V9B9**		**Lab ID:**	**0805003-19**				
12587-47-2	Gross Beta	<3.15E1	pCi/g dry	3.15E1		3/17/09	8L15002	AGG-RRL-002
12587-46-1	Gross Alpha	<1.40E1	pCi/g dry	1.40E1		3/17/09	8L15002	AGG-RRL-002
HEIS No.	**B1V9C1**		**Lab ID:**	**0805003-21**				
12587-47-2	Gross Beta	<3.14E1	pCi/g dry	3.14E1		3/17/09	8L15002	AGG-RRL-002
12587-46-1	Gross Alpha	<1.40E1	pCi/g dry	1.40E1		3/17/09	8L15002	AGG-RRL-002
HEIS No.	**B1V9C3**		**Lab ID:**	**0805003-23**				
12587-47-2	Gross Beta	<3.29E1	pCi/g dry	3.29E1		3/17/09	8L15002	AGG-RRL-002
12587-46-1	Gross Alpha	<1.46E1	pCi/g dry	1.46E1		3/17/09	8L15002	AGG-RRL-002
HEIS No.	**B1V2V5**		**Lab ID:**	**0805003-25**				
12587-47-2	Gross Beta	<3.25E1	pCi/g dry	3.25E1		3/17/09	8L15002	AGG-RRL-002
12587-46-1	Gross Alpha	<1.45E1	pCi/g dry	1.45E1		3/17/09	8L15002	AGG-RRL-002

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8G31008 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8G31008-BLK1)				Prepared & Analyzed: 08/01/08						
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm							
Duplicate (8G31008-DUP1)		**Source: 0805003-15**		Prepared & Analyzed: 08/01/08						
Specific Conductance (EC)	9.00E-2	1.00E-2	mS/cm		9.00E-2			0.00	35	
Batch 8H01005 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8H01005-DUP1)		**Source: 0805003-15**		Prepared & Analyzed: 08/01/08						
pH	8.54E0	N/A	pH Units		8.84E0			3.45	35	
Duplicate (8H01005-DUP2)		**Source: 0805003-19**		Prepared & Analyzed: 08/01/08						
pH	8.00E0	N/A	pH Units		8.36E0			4.40	35	
Batch 8H04007 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8H04007-BLK1)				Prepared & Analyzed: 08/05/08						
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm							
Duplicate (8H04007-DUP1)		**Source: 0805001-05**		Prepared & Analyzed: 08/05/08						
Specific Conductance (EC)	7.30E-2	1.00E-2	mS/cm		7.70E-2			5.33	35	
Batch 8H04008 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8H04008-DUP1)		**Source: 0805001-05**		Prepared & Analyzed: 08/05/08						
pH	8.63E0	N/A	pH Units		8.57E0			0.698	35	

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8H04008 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8H04008-DUP2)		**Source: 0805001-06**		Prepared & Analyzed: 08/05/08						
pH	8.27E0	N/A	pH Units		8.66E0			4.61	35	
Batch 8H06002 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8H06002-BLK1)				Prepared & Analyzed: 08/06/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Duplicate (8H06002-DUP1)		**Source: 0805003-15**		Prepared & Analyzed: 08/06/08						
Alkalinity as CaCO3	3.50E1	2.35E1	ug/g dry		3.57E1			2.01	35	
Batch 8H06003 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8H06003-BLK1)				Prepared & Analyzed: 08/06/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							
Duplicate (8H06003-DUP1)		**Source: 0805001-05**		Prepared & Analyzed: 08/06/08						
Alkalinity as CaCO3	4.71E1	2.35E1	ug/g dry		4.62E1			1.92	35	
Batch 8H20001 - 1:1 Water Extract (pH_EC_Alk)										
Duplicate (8H20001-DUP2)		**Source: 0805003-89**		Prepared & Analyzed: 08/20/08						
pH	7.75E0	N/A	pH Units		7.75E0			0.00	35	
Batch 8H20002 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8H20002-BLK1)				Prepared & Analyzed: 08/20/08						
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm							

Wet Chemistry - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8H20003 - 1:1 Water Extract (pH_EC_Alk)										
Blank (8H20003-BLK1)				Prepared: 08/20/08 Analyzed: 08/21/08						
Alkalinity as CaCO3	<2.35E1	2.35E1	ug/g wet							

Anions by Ion Chromatography - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8H01004 - 1:1 Water Extract (IC)										
Blank (8H01004-BLK1)				Prepared: 08/01/08 Analyzed: 08/02/08						
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Chloride	<5.00E-1	5.00E-1	"							
Nitrite	<1.00E0	1.00E0	"							
Bromide	<1.00E0	1.00E0	"							
Nitrate	<1.00E0	1.00E0	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							
LCS (8H01004-BS1)				Prepared: 08/01/08 Analyzed: 08/02/08						
Fluoride	2.08E0	2.00E-1	ug/g wet	2.00E0		104	80-120			
Chloride	4.93E0	5.00E-1	"	5.00E0		98.6	80-120			
Nitrite	1.10E1	1.00E0	"	9.99E0		110	80-120			
Bromide	9.85E0	1.00E0	"	9.99E0		98.6	80-120			
Nitrate	1.06E1	1.00E0	"	9.99E0		106	80-120			
Sulfate	1.51E1	1.50E0	"	1.50E1		100	80-120			
Phosphate	1.48E1	1.50E0	"	1.50E1		98.9	80-120			
Duplicate (8H01004-DUP1)	**Source: 0805003-15**			Prepared: 08/01/08 Analyzed: 08/02/08						
Fluoride	2.32E-1	2.00E-1	ug/g dry		2.34E-1			0.713	35	D
Chloride	<5.00E-1	5.00E-1	"		ND				35	
Nitrite	<1.00E0	1.00E0	"		ND				35	
Bromide	<1.00E0	1.00E0	"		ND				35	
Nitrate	2.44E0	1.00E0	"		2.46E0			0.508	35	D
Sulfate	7.24E0	1.50E0	"		7.27E0			0.282	35	D
Phosphate	<1.50E0	1.50E0	"		ND				35	
Post Spike (8H01004-PS1)	**Source: 0805003-06**			Prepared: 08/01/08 Analyzed: 08/02/08						
Fluoride	1.92E0	N/A	ug/mL	8.00E-1	1.14E0	96.9	75-125			D
Chloride	2.13E0	N/A	"	2.00E0	2.84E-1	92.4	75-125			D
Nitrite	3.88E0	N/A	"	4.00E0	ND	97	75-125			D
Bromide	3.77E0	N/A	"	4.00E0	ND	94.2	75-125			D
Nitrate	8.35E0	N/A	"	4.00E0	4.60E0	93.7	75-125			D
Sulfate	8.33E0	N/A	"	6.00E0	2.68E0	94.2	75-125			D
Phosphate	6.28E0	N/A	"	6.00E0	7.90E-1	91.5	75-125			D

Anions by Ion Chromatography - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8H05004 - 1:1 Water Extract (IC)										
Blank (8H05004-BLK1)				Prepared: 08/05/08 Analyzed: 08/06/08						
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Chloride	<5.00E-1	5.00E-1	"							
Nitrite	<1.00E0	1.00E0	"							
Bromide	<1.00E0	1.00E0	"							
Nitrate	<1.00E0	1.00E0	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							
LCS (8H05004-BS1)				Prepared: 08/05/08 Analyzed: 08/06/08						
Fluoride	2.00E0	2.00E-1	ug/g wet	2.00E0		100	80-120			
Chloride	4.85E0	5.00E-1	"	5.00E0		96.9	80-120			
Nitrite	1.12E1	1.00E0	"	1.00E1		112	80-120			
Bromide	9.96E0	1.00E0	"	1.00E1		99.6	80-120			
Nitrate	1.03E1	1.00E0	"	1.00E1		103	80-120			
Sulfate	1.49E1	1.50E0	"	1.50E1		99.5	80-120			
Phosphate	1.51E1	1.50E0	"	1.50E1		101	80-120			
Duplicate (8H05004-DUP1)	**Source: 0805001-05**			Prepared: 08/05/08 Analyzed: 08/06/08						
Fluoride	5.78E-1	2.00E-1	ug/g dry		5.95E-1			2.88	35	D
Chloride	<5.00E-1	5.00E-1	"		ND				35	
Nitrite	<1.00E0	1.00E0	"		ND				35	
Bromide	<1.00E0	1.00E0	"		ND				35	
Nitrate	<1.00E0	1.00E0	"		ND				35	
Sulfate	<1.50E0	1.50E0	"		ND				35	
Phosphate	<1.50E0	1.50E0	"		ND				35	
Post Spike (8H05004-PS1)	**Source: 0805003-05**			Prepared: 08/05/08 Analyzed: 08/06/08						
Fluoride	1.79E0	N/A	ug/mL	8.00E-1	1.01E0	96.9	75-125			D
Chloride	2.20E0	N/A	"	2.00E0	3.92E-1	90.6	75-125			D
Nitrite	3.96E0	N/A	"	4.00E0	ND	99	75-125			D
Bromide	3.81E0	N/A	"	4.00E0	ND	95.3	75-125			D
Nitrate	5.25E0	N/A	"	4.00E0	1.44E0	95.2	75-125			D
Sulfate	7.56E0	N/A	"	6.00E0	2.02E0	92.3	75-125			D
Phosphate	5.92E0	N/A	"	6.00E0	4.44E-1	91.3	75-125			D

Anions by Ion Chromatography - Quality Control
Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8H21001 - 1:1 Water Extract (IC)										
Blank (8H21001-BLK1)				Prepared: 08/21/08 Analyzed: 08/22/08						
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Chloride	<5.00E-1	5.00E-1	"							
Nitrite	<1.00E0	1.00E0	"							
Bromide	<1.00E0	1.00E0	"							
Nitrate	<1.00E0	1.00E0	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							
LCS (8H21001-BS1)				Prepared: 08/21/08 Analyzed: 08/22/08						
Fluoride	2.07E0	2.00E-1	ug/g wet	2.00E0		103	80-120			
Chloride	4.94E0	5.00E-1	"	5.00E0		98.7	80-120			
Nitrite	1.10E1	1.00E0	"	1.00E1		110	80-120			
Bromide	1.01E1	1.00E0	"	1.00E1		101	80-120			
Nitrate	1.05E1	1.00E0	"	1.00E1		105	80-120			
Sulfate	1.54E1	1.50E0	"	1.50E1		103	80-120			
Phosphate	1.52E1	1.50E0	"	1.50E1		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 8I15002 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8I15002-BLK1)				Prepared: 08/05/08 Analyzed: 09/16/08						
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Boron	<1.94E0	1.94E0	"							
Barium	1.29E-2	8.79E-3	"							
Beryllium	<2.84E-2	2.84E-2	"							
Bismuth	<1.88E-1	1.88E-1	"							
Calcium	<3.87E-1	3.87E-1	"							
Cadmium	<2.69E-2	2.69E-2	"							
Cobalt	<9.60E-2	9.60E-2	"							
Chromium	<3.33E-2	3.33E-2	"							
Copper	<8.04E-2	8.04E-2	"							
Iron	<1.42E-1	1.42E-1	"							
Potassium	<2.33E0	2.33E0	"							
Lithium	<5.40E-1	5.40E-1	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Molybdenum	<1.39E-1	1.39E-1	"							
Nickel	<9.33E-2	9.33E-2	"							
Phosphorus	<1.03E0	1.03E0	"							
Lead	<4.32E-1	4.32E-1	"							
Selenium	<1.95E0	1.95E0	"							
Strontium	<5.22E-2	5.22E-2	"							
Thallium	<1.03E0	1.03E0	"							
Vanadium	<4.53E-2	4.53E-2	"							
Zinc	<9.27E-2	9.27E-2	"							
Sodium	<6.69E-1	6.69E-1	"							
Sulfur	<3.08E0	3.08E0	"							
Titanium	<8.76E-3	8.76E-3	"							
Zirconium	<1.50E-1	1.50E-1	"							
Silver	<7.71E-2	7.71E-2	"							
Rhenium	<1.52E-1	1.52E-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 8I15002 - 1:1 Water Extract (ICP/ICPMS)										
LCS (8I15002-BS1)				Prepared: 08/05/08 Analyzed: 09/16/08						
Aluminum	4.61E0	8.58E-2	ug/g wet	5.00E0		92.3	80-120			
Boron	4.81E0	1.94E0	"	5.00E0		96.1	80-120			
Beryllium	4.84E0	2.84E-2	"	5.00E0		96.8	80-120			
Bismuth	<1.88E-1	1.88E-1	"				80-120			
Calcium	4.66E0	3.87E-1	"	5.00E0		93.1	80-120			
Cadmium	4.97E0	2.69E-2	"	5.00E0		99.3	80-120			
Cobalt	4.75E0	9.60E-2	"	5.00E0		95.0	80-120			
Chromium	5.04E0	3.33E-2	"	5.00E0		101	80-120			
Copper	4.66E0	8.04E-2	"	5.00E0		93.1	80-120			
Iron	4.88E0	1.42E-1	"	5.00E0		97.6	80-120			
Potassium	4.78E1	2.33E0	"	5.00E1		95.7	80-120			
Lithium	<5.40E-1	5.40E-1	"				80-120			
Magnesium	4.63E0	8.34E-2	"	5.00E0		92.6	80-120			
Manganese	4.80E0	1.71E-2	"	5.00E0		95.9	80-120			
Molybdenum	4.73E0	1.39E-1	"	5.00E0		94.6	80-120			
Nickel	4.90E0	9.33E-2	"	5.00E0		97.9	80-120			
Phosphorus	<1.03E0	1.03E0	"				80-120			
Lead	4.83E0	4.32E-1	"	5.00E0		96.6	80-120			
Selenium	4.91E0	1.95E0	"	5.00E0		98.1	80-120			
Strontium	<5.22E-2	5.22E-2	"				80-120			
Thallium	4.84E0	1.03E0	"	5.00E0		96.8	80-120			
Vanadium	4.76E0	4.53E-2	"	5.00E0		95.3	80-120			
Zinc	4.92E0	9.27E-2	"	5.00E0		98.5	80-120			
Sodium	5.09E0	6.69E-1	"	5.00E0		102	80-120			
Sulfur	<3.08E0	3.08E0	"				80-120			
Titanium	4.75E0	8.76E-3	"	5.00E0		95.0	80-120			
Zirconium	<1.50E-1	1.50E-1	"				80-120			
Silver	4.75E0	7.71E-2	"	5.00E0		95.0	80-120			
Rhenium	<1.52E-1	1.52E-1	"				80-120			

Total Metals by PNNL-AGG-ICP-AES/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 8I15002 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8I15002-DUP1)		**Source: 0805001-05**		Prepared: 08/05/08 Analyzed: 09/16/08						
Aluminum	4.78E-1	8.58E-2	ug/g dry		4.42E-1			7.66	35	
Boron	<1.94E0	1.94E0	"		ND				35	
Beryllium	<2.84E-2	2.84E-2	"		ND				35	
Bismuth	<1.88E-1	1.88E-1	"		ND				35	
Calcium	7.20E0	3.87E-1	"		7.19E0			0.220	35	
Cadmium	<2.69E-2	2.69E-2	"		ND				35	
Cobalt	<9.60E-2	9.60E-2	"		ND				35	
Chromium	<3.33E-2	3.33E-2	"		ND				35	
Copper	<8.04E-2	8.04E-2	"		ND				35	
Iron	5.04E-1	1.42E-1	"		4.86E-1			3.77	35	
Potassium	2.96E0	2.33E0	"		2.94E0			0.676	35	
Lithium	<5.40E-1	5.40E-1	"		ND				35	
Magnesium	1.12E0	8.34E-2	"		1.15E0			2.28	35	
Manganese	<1.71E-2	1.71E-2	"		ND				35	
Molybdenum	<1.39E-1	1.39E-1	"		ND				35	
Nickel	<9.33E-2	9.33E-2	"		ND				35	
Phosphorus	<1.03E0	1.03E0	"		ND				35	
Lead	<4.32E-1	4.32E-1	"		ND				35	
Selenium	<1.95E0	1.95E0	"		ND				35	
Strontium	<5.22E-2	5.22E-2	"		ND				35	
Thallium	<1.03E0	1.03E0	"		ND				35	
Vanadium	<4.53E-2	4.53E-2	"		ND				35	
Zinc	<9.27E-2	9.27E-2	"		ND				35	
Sodium	6.42E0	6.69E-1	"		6.60E0			2.75	35	
Sulfur	<3.07E0	3.07E0	"		ND				35	
Titanium	2.52E-2	8.76E-3	"		2.32E-2			8.30	35	
Zirconium	<1.50E-1	1.50E-1	"		ND				35	
Silver	<7.71E-2	7.71E-2	"		ND				35	
Rhenium	<1.52E-1	1.52E-1	"		ND				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 8I15002 - 1:1 Water Extract (ICP/ICPMS)										
Post Spike (8I15002-PS1)	**Source: 0805001-05**			Prepared: 09/15/08	Analyzed: 09/16/08					
Aluminum	6.31E2	N/A	ug/L	5.00E2	1.50E2	96.4	75-125			
Boron	5.17E2	N/A	"	5.00E2	1.39E1	101	75-125			
Beryllium	2.60E2	N/A	"	2.50E2	4.00E-1	104	75-125			
Bismuth	4.87E2	N/A	"	5.00E2	1.62E1	94.1	75-125			
Calcium	2.96E3	N/A	"	5.00E2	2.43E3	107	75-125			
Cadmium	2.50E2	N/A	"	2.50E2	ND	100	75-125			
Cobalt	2.48E2	N/A	"	2.50E2	1.90E-1	99.2	75-125			
Chromium	1.28E2	N/A	"	1.25E2	ND	103	75-125			
Copper	4.99E2	N/A	"	5.00E2	4.58E0	98.9	75-125			
Iron	6.81E2	N/A	"	5.00E2	1.64E2	103	75-125			
Potassium	2.27E3	N/A	"	1.25E3	9.92E2	102	75-125			
Lithium	4.86E2	N/A	"	5.00E2	3.12E0	96.5	75-125			
Magnesium	8.76E2	N/A	"	5.00E2	3.87E2	97.7	75-125			
Manganese	2.59E2	N/A	"	2.50E2	7.28E-1	103	75-125			
Molybdenum	4.96E2	N/A	"	5.00E2	2.07E0	98.7	75-125			
Nickel	5.06E2	N/A	"	5.00E2	5.91E-2	101	75-125			
Phosphorus	1.29E3	N/A	"	1.25E3	5.36E1	98.8	75-125			
Lead	5.00E2	N/A	"	5.00E2	2.21E0	99.6	75-125			
Selenium	4.77E2	N/A	"	5.00E2	2.40E1	90.6	75-125			
Strontium	5.00E2	N/A	"	5.00E2	1.15E1	97.6	75-125			
Thallium	5.04E2	N/A	"	5.00E2	2.29E0	100	75-125			
Vanadium	2.54E2	N/A	"	2.50E2	1.07E1	97.5	75-125			
Zinc	2.89E2	N/A	"	2.50E2	1.35E1	110	75-125			
Sodium	2.80E3	N/A	"	5.00E2	2.23E3	114	75-125			
Sulfur	1.14E3	N/A	"	1.00E3	1.33E2	101	75-125			
Titanium	2.56E2	N/A	"	2.50E2	7.83E0	99.4	75-125			
Zirconium	2.60E2	N/A	"	2.50E2	1.87E1	96.7	75-125			
Silver	5.05E2	N/A	"	5.00E2	1.59E0	101	75-125			
Rhenium	5.05E2	N/A	"	5.00E2	5.23E0	99.9	75-125			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8I15003 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8I15003-BLK1)				Prepared: 08/01/08 Analyzed: 09/16/08						
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Boron	<1.94E0	1.94E0	"							
Beryllium	<2.84E-2	2.84E-2	"							
Bismuth	<1.88E-1	1.88E-1	"							
Calcium	<3.87E-1	3.87E-1	"							
Cadmium	<2.69E-2	2.69E-2	"							
Cobalt	<9.60E-2	9.60E-2	"							
Chromium	<3.33E-2	3.33E-2	"							
Iron	<1.42E-1	1.42E-1	"							
Potassium	<2.33E0	2.33E0	"							
Lithium	<5.40E-1	5.40E-1	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Molybdenum	<1.39E-1	1.39E-1	"							
Nickel	<9.33E-2	9.33E-2	"							
Phosphorus	<1.03E0	1.03E0	"							
Lead	<4.32E-1	4.32E-1	"							
Selenium	<1.95E0	1.95E0	"							
Strontium	<5.22E-2	5.22E-2	"							
Thallium	<1.03E0	1.03E0	"							
Vanadium	<4.53E-2	4.53E-2	"							
Zinc	<9.27E-2	9.27E-2	"							
Sodium	<6.69E-1	6.69E-1	"							
Silicon	<1.50E0	1.50E0	"							
Sulfur	<3.08E0	3.08E0	"							
Titanium	<8.76E-3	8.76E-3	"							
Zirconium	<1.50E-1	1.50E-1	"							
Silver	<7.71E-2	7.71E-2	"							
Rhenium	<1.52E-1	1.52E-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 8I15003 - 1:1 Water Extract (ICP/ICPMS)										
LCS (8I15003-BS1)				Prepared: 08/01/08 Analyzed: 09/16/08						
Aluminum	4.93E0	8.58E-2	ug/g wet	4.99E0		98.8	80-120			
Boron	5.05E0	1.94E0	"	4.99E0		101	80-120			
Beryllium	5.05E0	2.84E-2	"	4.99E0		101	80-120			
Bismuth	<1.88E-1	1.88E-1	"				80-120			
Calcium	5.24E0	3.87E-1	"	4.99E0		105	80-120			
Cadmium	5.14E0	2.69E-2	"	4.99E0		103	80-120			
Cobalt	4.95E0	9.60E-2	"	4.99E0		99.2	80-120			
Chromium	5.19E0	3.33E-2	"	4.99E0		104	80-120			
Iron	5.11E0	1.42E-1	"	4.99E0		102	80-120			
Potassium	4.95E1	2.33E0	"	4.99E1		99.2	80-120			
Lithium	<5.40E-1	5.40E-1	"				80-120			
Magnesium	4.80E0	8.34E-2	"	4.99E0		96.3	80-120			
Manganese	4.95E0	1.71E-2	"	4.99E0		99.2	80-120			
Molybdenum	4.93E0	1.39E-1	"	4.99E0		98.8	80-120			
Nickel	5.05E0	9.33E-2	"	4.99E0		101	80-120			
Phosphorus	<1.03E0	1.03E0	"				80-120			
Lead	5.02E0	4.32E-1	"	4.99E0		101	80-120			
Selenium	5.08E0	1.95E0	"	4.99E0		102	80-120			
Strontium	<5.22E-2	5.22E-2	"				80-120			
Thallium	4.98E0	1.03E0	"	4.99E0		99.7	80-120			
Vanadium	4.92E0	4.53E-2	"	4.99E0		98.6	80-120			
Zinc	5.77E0	9.27E-2	"	4.99E0		116	80-120			
Sodium	5.31E0	6.69E-1	"	4.99E0		106	80-120			
Silicon	3.10E0	1.50E0	"	2.50E0		124	80-120			
Sulfur	<3.08E0	3.08E0	"				80-120			
Titanium	4.95E0	8.76E-3	"	4.99E0		99.1	80-120			
Zirconium	<1.50E-1	1.50E-1	"				80-120			
Silver	4.93E0	7.71E-2	"	4.99E0		98.9	80-120			
Rhenium	<1.52E-1	1.52E-1	"				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 8I15003 - 1:1 Water Extract (ICP/ICPMS)										
Duplicate (8I15003-DUP1)		**Source: 0805003-15**		Prepared: 08/01/08 Analyzed: 09/16/08						
Aluminum	1.87E-1	8.59E-2	ug/g dry		2.07E-1			10.5	35	
Boron	<1.94E0	1.94E0	"		ND				35	
Beryllium	<2.84E-2	2.84E-2	"		ND				35	
Bismuth	<1.88E-1	1.88E-1	"		ND				35	
Calcium	5.22E0	3.87E-1	"		5.26E0			0.766	35	
Cadmium	<2.69E-2	2.69E-2	"		ND				35	
Cobalt	<9.61E-2	9.61E-2	"		ND				35	
Chromium	<3.33E-2	3.33E-2	"		ND				35	
Iron	1.55E-1	1.42E-1	"		1.42E-1			8.46	35	
Potassium	3.21E0	2.33E0	"		2.88E0			10.8	35	
Lithium	<5.40E-1	5.40E-1	"		ND				35	
Magnesium	1.92E0	8.35E-2	"		1.96E0			2.01	35	
Manganese	<1.71E-2	1.71E-2	"		ND				35	
Molybdenum	<1.39E-1	1.39E-1	"		ND				35	
Nickel	<9.34E-2	9.34E-2	"		ND				35	
Phosphorus	<1.03E0	1.03E0	"		ND				35	
Lead	<4.32E-1	4.32E-1	"		ND				35	
Selenium	<1.95E0	1.95E0	"		ND				35	
Strontium	<5.22E-2	5.22E-2	"		ND				35	
Thallium	<1.03E0	1.03E0	"		ND				35	
Vanadium	<4.53E-2	4.53E-2	"		ND				35	
Zinc	<9.28E-2	9.28E-2	"		ND				35	
Sodium	5.87E0	6.70E-1	"		5.94E0			1.29	35	
Silicon	7.22E0	1.50E0	"		6.88E0			4.90	35	
Sulfur	<3.08E0	3.08E0	"		ND				35	
Titanium	<8.77E-3	8.77E-3	"		ND				35	
Zirconium	<1.50E-1	1.50E-1	"		ND				35	
Silver	<7.72E-2	7.72E-2	"		ND				35	
Rhenium	<1.52E-1	1.52E-1	"		ND				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 8I15003 - 1:1 Water Extract (ICP/ICPMS)										
Post Spike (8I15003-PS1)	**Source: 0805003-15**			Prepared: 09/15/08	Analyzed: 09/16/08					
Aluminum	5.65E2	N/A	ug/L	5.00E2	6.91E1	99.2	75-125			
Boron	5.16E2	N/A	"	5.00E2	1.07E0	103	75-125			
Beryllium	2.50E2	N/A	"	2.50E2	ND	100	75-125			
Bismuth	4.89E2	N/A	"	5.00E2	7.65E0	96.2	75-125			
Calcium	2.36E3	N/A	"	5.00E2	1.75E3	120	75-125			
Cadmium	2.45E2	N/A	"	2.50E2	5.16E-1	97.8	75-125			
Cobalt	2.41E2	N/A	"	2.50E2	ND	96.8	75-125			
Chromium	1.23E2	N/A	"	1.25E2	ND	102	75-125			
Iron	5.55E2	N/A	"	5.00E2	4.75E1	102	75-125			
Potassium	2.34E3	N/A	"	1.25E3	9.61E2	111	75-125			
Lithium	5.30E2	N/A	"	5.00E2	1.32E1	103	75-125			
Magnesium	1.17E3	N/A	"	5.00E2	6.53E2	103	75-125			
Manganese	2.51E2	N/A	"	2.50E2	ND	101	75-125			
Molybdenum	4.97E2	N/A	"	5.00E2	1.53E0	99.1	75-125			
Nickel	4.91E2	N/A	"	5.00E2	ND	98.4	75-125			
Phosphorus	1.22E3	N/A	"	1.25E3	ND	97.4	75-125			
Lead	4.86E2	N/A	"	5.00E2	6.31E-2	97.2	75-125			
Selenium	4.78E2	N/A	"	5.00E2	ND	99.6	75-125			
Strontium	5.27E2	N/A	"	5.00E2	1.08E1	103	75-125			
Thallium	5.00E2	N/A	"	5.00E2	3.30E0	99.4	75-125			
Vanadium	2.54E2	N/A	"	2.50E2	1.07E1	97.3	75-125			
Zinc	2.53E2	N/A	"	2.50E2	9.35E0	97.6	75-125			
Sodium	2.60E3	N/A	"	5.00E2	1.98E3	123	75-125			
Sulfur	1.81E3	N/A	"	1.00E3	8.34E2	97.3	75-125			
Titanium	2.49E2	N/A	"	2.50E2	2.13E0	98.6	75-125			
Zirconium	2.63E2	N/A	"	2.50E2	1.80E1	98.1	75-125			
Silver	5.10E2	N/A	"	5.00E2	1.88E0	102	75-125			
Rhenium	4.99E2	N/A	"	5.00E2	5.28E0	98.8	75-125			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8I16001 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8I16001-BLK1)				Prepared: 08/20/08 Analyzed: 09/16/08						
Aluminum	<8.58E-2	8.58E-2	ug/g wet							
Boron	<1.94E0	1.94E0	"							
Beryllium	<2.84E-2	2.84E-2	"							
Bismuth	<1.88E-1	1.88E-1	"							
Calcium	<3.87E-1	3.87E-1	"							
Cadmium	<2.69E-2	2.69E-2	"							
Cobalt	<9.60E-2	9.60E-2	"							
Chromium	<3.33E-2	3.33E-2	"							
Iron	<1.42E-1	1.42E-1	"							
Potassium	<2.33E0	2.33E0	"							
Lithium	<5.40E-1	5.40E-1	"							
Magnesium	<8.34E-2	8.34E-2	"							
Manganese	<1.71E-2	1.71E-2	"							
Molybdenum	<1.39E-1	1.39E-1	"							
Nickel	<9.33E-2	9.33E-2	"							
Phosphorus	<1.03E0	1.03E0	"							
Lead	<4.32E-1	4.32E-1	"							
Selenium	<1.95E0	1.95E0	"							
Strontium	<5.22E-2	5.22E-2	"							
Thallium	<1.03E0	1.03E0	"							
Vanadium	<4.53E-2	4.53E-2	"							
Zinc	<9.27E-2	9.27E-2	"							
Sodium	<6.69E-1	6.69E-1	"							
Silicon	<1.50E0	1.50E0	"							
Sulfur	<3.08E0	3.08E0	"							
Titanium	<8.76E-3	8.76E-3	"							
Zirconium	<1.50E-1	1.50E-1	"							
Silver	<7.71E-2	7.71E-2	"							
Rhenium	<1.52E-1	1.52E-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 8I16001 - 1:1 Water Extract (ICP/ICPMS)										
LCS (8I16001-BS1)				Prepared: 08/20/08 Analyzed: 09/16/08						
Aluminum	4.67E0	8.58E-2	ug/g wet	4.99E0		93.5	80-120			
Boron	4.96E0	1.94E0	"	4.99E0		99.5	80-120			
Beryllium	4.96E0	2.84E-2	"	4.99E0		99.4	80-120			
Bismuth	<1.88E-1	1.88E-1	"				80-120			
Calcium	4.72E0	3.87E-1	"	4.99E0		94.7	80-120			
Cadmium	5.06E0	2.69E-2	"	4.99E0		101	80-120			
Cobalt	4.84E0	9.60E-2	"	4.99E0		97.0	80-120			
Chromium	5.09E0	3.33E-2	"	4.99E0		102	80-120			
Iron	4.94E0	1.42E-1	"	4.99E0		99.0	80-120			
Potassium	4.92E1	2.33E0	"	4.99E1		98.5	80-120			
Lithium	<5.40E-1	5.40E-1	"				80-120			
Magnesium	4.69E0	8.34E-2	"	4.99E0		93.9	80-120			
Manganese	4.86E0	1.71E-2	"	4.99E0		97.3	80-120			
Molybdenum	4.85E0	1.39E-1	"	4.99E0		97.1	80-120			
Nickel	4.96E0	9.33E-2	"	4.99E0		99.5	80-120			
Phosphorus	<1.03E0	1.03E0	"				80-120			
Lead	4.92E0	4.32E-1	"	4.99E0		98.7	80-120			
Selenium	5.15E0	1.95E0	"	4.99E0		103	80-120			
Strontium	<5.22E-2	5.22E-2	"				80-120			
Thallium	4.92E0	1.03E0	"	4.99E0		98.6	80-120			
Vanadium	4.82E0	4.53E-2	"	4.99E0		96.6	80-120			
Zinc	5.01E0	9.27E-2	"	4.99E0		100	80-120			
Sodium	5.19E0	6.69E-1	"	4.99E0		104	80-120			
Silicon	2.80E0	1.50E0	"	2.50E0		112	80-120			
Sulfur	<3.08E0	3.08E0	"				80-120			
Titanium	4.81E0	8.76E-3	"	4.99E0		96.5	80-120			
Zirconium	<1.50E-1	1.50E-1	"				80-120			
Silver	4.83E0	7.71E-2	"	4.99E0		96.8	80-120			
Rhenium	<1.52E-1	1.52E-1	"				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 8L12002 - ASTM D 5198 (ICP/ICPMS)										
Blank (8L12002-BLK1)				Prepared: 12/11/08 Analyzed: 03/16/09						
Aluminum	<6.76E0	6.76E0	ug/g wet							
Arsenic	<1.01E1	1.01E1	"							
Boron	<2.90E1	2.90E1	"							
Barium	<4.12E-1	4.12E-1	"							
Beryllium	<2.31E-1	2.31E-1	"							
Bismuth	<2.85E0	2.85E0	"							
Calcium	<7.02E0	7.02E0	"							
Cadmium	<3.68E-1	3.68E-1	"							
Cobalt	<1.44E0	1.44E0	"							
Chromium	<5.90E-1	5.90E-1	"							
Copper	<1.93E0	1.93E0	"							
Iron	<1.82E0	1.82E0	"							
Potassium	<2.59E1	2.59E1	"							
Lithium	<6.28E0	6.28E0	"							
Magnesium	<1.92E0	1.92E0	"							
Manganese	<6.04E-1	6.04E-1	"							
Molybdenum	<2.29E0	2.29E0	"							
Nickel	<1.40E0	1.40E0	"							
Phosphorus	<8.93E0	8.93E0	"							
Lead	<3.02E0	3.02E0	"							
Selenium	<1.72E1	1.72E1	"							
Strontium	<4.40E-1	4.40E-1	"							
Thallium	<9.70E0	9.70E0	"							
Vanadium	<1.21E0	1.21E0	"							
Zinc	<1.10E0	1.10E0	"							
Sodium	<1.90E1	1.90E1	"							
Silicon	<4.89E1	4.89E1	"							
Sulfur	<3.22E1	3.22E1	"							
Titanium	<1.55E0	1.55E0	"							
Zirconium	<8.10E-1	8.10E-1	"							
Silver	<9.16E-1	9.16E-1	"							
Rhenium	<2.81E0	2.81E0	"							
Antimony	<6.71E0	6.71E0	"							

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 8L12002 - ASTM D 5198 (ICP/ICPMS)										
LCS (8L12002-BS1)				Prepared: 12/11/08 Analyzed: 03/16/09						
Aluminum	5.57E0	6.76E-1	ug/g wet	6.06E0		92.0	80-120			
Arsenic	5.95E0	1.01E0	"				80-120			
Boron	5.54E0	2.90E0	"	6.06E0		91.5	80-120			
Barium	5.76E0	4.12E-2	"	6.06E0		95.1	80-120			
Beryllium	5.94E0	2.31E-2	"	6.06E0		98.1	80-120			
Bismuth	<2.85E-1	2.85E-1	"				80-120			
Calcium	5.65E0	7.02E-1	"	6.06E0		93.3	80-120			
Cadmium	5.79E0	3.68E-2	"	6.06E0		95.6	80-120			
Cobalt	6.02E0	1.44E-1	"	6.06E0		99.5	80-120			
Chromium	5.98E0	5.90E-2	"	6.06E0		98.8	80-120			
Copper	5.91E0	1.93E-1	"	6.06E0		97.7	80-120			
Iron	6.09E0	1.82E-1	"	6.06E0		101	80-120			
Potassium	5.65E1	2.59E0	"	6.06E1		93.3	80-120			
Lithium	<6.28E-1	6.28E-1	"				80-120			
Magnesium	5.46E0	1.92E-1	"	6.06E0		90.2	80-120			
Manganese	6.09E0	6.04E-2	"	6.06E0		101	80-120			
Molybdenum	6.04E0	2.29E-1	"	6.06E0		99.8	80-120			
Nickel	5.92E0	1.40E-1	"	6.06E0		97.8	80-120			
Phosphorus	<8.93E-1	8.93E-1	"				80-120			
Lead	5.95E0	3.02E-1	"	6.06E0		98.3	80-120			
Selenium	5.14E0	1.72E0	"	6.06E0		84.9	80-120			
Strontium	<4.40E-2	4.40E-2	"				80-120			
Thallium	5.92E0	9.70E-1	"	6.06E0		97.8	80-120			
Vanadium	5.82E0	1.21E-1	"	6.06E0		96.1	80-120			
Zinc	5.76E0	1.10E-1	"	6.06E0		95.2	80-120			
Sodium	6.04E0	1.90E0	"	6.06E0		99.7	80-120			
Silicon	7.21E0	4.89E0	"	6.06E0		119	80-120			
Sulfur	<3.22E0	3.22E0	"				80-120			
Titanium	6.14E0	1.55E-1	"	6.06E0		101	80-120			
Zirconium	<8.10E-2	8.10E-2	"				80-120			
Silver	5.65E0	9.16E-2	"	6.06E0		93.4	80-120			
Rhenium	<2.81E-1	2.81E-1	"				80-120			
Antimony	5.83E0	6.71E-1	"				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 8L12002 - ASTM D 5198 (ICP/ICPMS)										
Duplicate (8L12002-DUP1)	**Source: 0805003-15**		Prepared: 12/11/08 Analyzed: 03/16/09							
Aluminum	4.76E3	2.21E1	ug/g dry		4.41E3			7.65	35	
Arsenic	<3.31E1	3.31E1	"		ND				35	
Boron	<9.47E1	9.47E1	"		ND				35	
Barium	4.09E1	1.35E0	"		3.64E1			11.8	35	
Beryllium	<7.55E-1	7.55E-1	"		ND				35	
Bismuth	<9.31E0	9.31E0	"		ND				35	
Calcium	7.49E3	2.29E1	"		6.54E3			13.5	35	
Cadmium	<1.20E0	1.20E0	"		ND				35	
Cobalt	4.93E0	4.72E0	"		ND				35	
Chromium	7.25E0	1.93E0	"		6.63E0			8.85	35	
Copper	<6.32E0	6.32E0	"		ND				35	
Iron	1.12E4	5.94E0	"		1.09E4			2.99	35	
Potassium	8.07E2	8.45E1	"		7.41E2			8.57	35	
Lithium	<2.05E1	2.05E1	"		ND				35	
Magnesium	3.73E3	6.29E0	"		3.55E3			5.02	35	
Manganese	2.12E2	1.97E0	"		2.03E2			3.99	35	
Molybdenum	<7.50E0	7.50E0	"		ND				35	
Nickel	7.05E0	4.58E0	"		7.80E0			10.1	35	
Phosphorus	4.43E2	2.92E1	"		4.04E2			9.14	35	
Lead	<9.88E0	9.88E0	"		ND				35	
Selenium	<5.60E1	5.60E1	"		ND				35	
Strontium	2.41E1	1.44E0	"		1.99E1			19.0	35	
Thallium	<3.17E1	3.17E1	"		ND				35	
Vanadium	1.68E1	3.95E0	"		1.69E1			0.617	35	
Zinc	2.55E1	3.60E0	"		2.40E1			6.01	35	
Sodium	1.33E2	6.22E1	"		1.12E2			16.9	35	
Silicon	<1.60E2	1.60E2	"		ND				35	
Sulfur	<1.05E2	1.05E2	"		ND				35	
Titanium	4.56E2	5.06E0	"		4.74E2			3.86	35	
Zirconium	4.40E0	2.65E0	"		4.61E0			4.63	35	
Silver	<2.99E0	2.99E0	"		ND				35	
Rhenium	<9.19E0	9.19E0	"		ND				35	
Antimony	<2.19E1	2.19E1	"		ND				35	

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

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8L12002 - ASTM D 5198 (ICP/ICPMS)										
Post Spike (8L12002-PS1)	**Source: 0805003-15**			Prepared: 12/12/08	Analyzed: 03/16/09					
Aluminum	2.72E4	N/A	ug/L	5.00E2	2.62E4	207	75-125			
Arsenic	4.07E2	N/A	"	5.00E2	ND	95.7	75-125			
Boron	4.99E2	N/A	"	5.00E2	ND	102	75-125			
Barium	4.67E2	N/A	"	2.50E2	2.16E2	101	75-125			
Beryllium	2.63E2	N/A	"	2.50E2	3.21E-1	105	75-125			
Bismuth	5.07E2	N/A	"	5.00E2	4.11E1	93.1	75-125			
Calcium	3.98E4	N/A	"	5.00E2	3.88E4	203	75-125			
Cadmium	2.46E2	N/A	"	2.50E2	ND	100	75-125			
Cobalt	2.71E2	N/A	"	2.50E2	2.81E1	97.3	75-125			
Chromium	1.67E2	N/A	"	1.25E2	3.93E1	102	75-125			
Copper	5.42E2	N/A	"	5.00E2	3.71E1	101	75-125			
Iron	6.58E4	N/A	"	5.00E2	6.46E4	251	75-125			
Potassium	5.70E3	N/A	"	1.25E3	4.39E3	104	75-125			
Lithium	5.28E2	N/A	"	5.00E2	3.14E1	99.3	75-125			
Magnesium	2.18E4	N/A	"	5.00E2	2.10E4	148	75-125			
Manganese	1.48E3	N/A	"	2.50E2	1.21E3	111	75-125			
Molybdenum	5.19E2	N/A	"	5.00E2	2.88E1	98	75-125			
Nickel	5.45E2	N/A	"	5.00E2	4.62E1	99.7	75-125			
Phosphorus	3.64E3	N/A	"	1.25E3	2.40E3	99.2	75-125			
Lead	4.90E2	N/A	"	5.00E2	ND	101	75-125			
Selenium	4.29E2	N/A	"	5.00E2	ND	101	75-125			
Strontium	6.19E2	N/A	"	5.00E2	1.18E2	100	75-125			
Thallium	4.48E2	N/A	"	5.00E2	ND	102	75-125			
Vanadium	3.45E2	N/A	"	2.50E2	1.00E2	97.9	75-125			
Zinc	3.85E2	N/A	"	2.50E2	1.43E2	97	75-125			
Sodium	1.16E3	N/A	"	5.00E2	6.64E2	99.1	75-125			
Silicon	4.71E2	N/A	"	5.00E2	ND	109	75-125			
Sulfur	1.16E3	N/A	"	1.00E3	6.07E1	110	75-125			
Titanium	3.09E3	N/A	"	2.50E2	2.81E3	112	75-125			
Zirconium	2.78E2	N/A	"	2.50E2	2.73E1	100	75-125			
Silver	4.24E2	N/A	"	5.00E2	ND	88.3	75-125			
Rhenium	4.86E2	N/A	"	5.00E2	ND	98.8	75-125			
Antimony	4.62E2	N/A	"	5.00E2	ND	92.7	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 8L12001 - ASTM D 5198 (ICP/ICPMS)										
Blank (8L12001-BLK1)				Prepared & Analyzed: 12/12/08						
Technetium-99	<1.19E-3	1.19E-3	ug/g wet							
Uranium 238	<8.64E-3	8.64E-3	"							
Duplicate (8L12001-DUP1)		**Source: 0805003-15**		Prepared & Analyzed: 12/12/08						
Technetium-99	<3.89E-3	3.89E-3	ug/g dry		ND				35	
Uranium 238	3.76E-1	2.82E-2	"		3.35E-1			11.5	35	
Post Spike (8L12001-PS1)		**Source: 0805003-15**		Prepared & Analyzed: 12/12/08						
Technetium-99	4.57E-1	N/A	ug/L	5.00E-1	7.17E-4	91.2	75-125			
Uranium 238	1.47E0	N/A	"	5.00E-1	9.94E-1	95.8	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 8H27003 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8H27003-BLK1)				Prepared & Analyzed: 08/27/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Duplicate (8H27003-DUP1)		**Source: 0805001-05**		Prepared & Analyzed: 08/27/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g dry		ND				35	
Uranium 238	<5.63E-4	5.63E-4	"		ND				35	
Post Spike (8H27003-PS1)		**Source: 0805001-05**		Prepared & Analyzed: 08/27/08						
Technetium-99	5.09E-1	N/A	ug/L	5.00E-1	ND	102	75-125			
Uranium 238	5.75E-1	N/A	"	5.00E-1	5.80E-2	103	75-125			
Batch 8H27005 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8H27005-BLK1)				Prepared & Analyzed: 08/27/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Duplicate (8H27005-DUP1)		**Source: 0805003-15**		Prepared & Analyzed: 08/27/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g dry		ND				35	
Uranium 238	<5.64E-4	5.64E-4	"		ND				35	
Post Spike (8H27005-PS1)		**Source: 0805003-15**		Prepared & Analyzed: 08/27/08						
Technetium-99	4.97E-1	N/A	ug/L	5.00E-1	ND	99.6	75-125			
Uranium 238	5.84E-1	N/A	"	5.00E-1	7.53E-2	102	75-125			
Batch 8H27006 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8H27006-BLK1)				Prepared & Analyzed: 08/27/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							

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

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8H26016 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8H26016-BLK1)				Prepared & Analyzed: 08/26/08						
Chromium 52	<2.06E-3	2.06E-3	ug/g wet							
Copper 63	<3.48E-3	3.48E-3	"							
Arsenic 75	<6.25E-3	6.25E-3	"							
Selenium 82	<1.10E-2	1.10E-2	"							
Molybdenum 95	<1.60E-3	1.60E-3	"							
Ruthenium 101	<8.20E-4	8.20E-4	"							
Silver 107	<9.25E-4	9.25E-4	"							
Silver 109	<1.07E-3	1.07E-3	"							
Cadmium 111	<2.95E-4	2.95E-4	"							
Antimony 121	<5.40E-4	5.40E-4	"							
Lead 208	<5.60E-4	5.60E-4	"							
LCS (8H26016-BS1)				Prepared & Analyzed: 08/26/08						
Chromium 52	5.16E0	2.06E-1	ug/g wet	5.00E0		103	80-120			
Copper 63	5.09E0	3.48E-1	"	5.00E0		102	80-120			
Arsenic 75	4.93E0	6.25E-1	"	5.00E0		98.6	80-120			
Selenium 82	5.00E0	1.10E0	"	5.00E0		99.9	80-120			
Molybdenum 95	4.73E0	1.60E-1	"	5.00E0		94.6	80-120			
Ruthenium 101	<8.20E-2	8.20E-2	"				80-120			
Silver 107	4.78E0	9.25E-2	"	5.00E0		95.6	80-120			
Silver 109	4.78E0	1.07E-1	"	5.00E0		95.6	80-120			
Cadmium 111	4.83E0	2.95E-2	"	5.00E0		96.6	80-120			
Lead 208	4.92E0	5.60E-2	"	5.00E0		98.4	80-120			
Duplicate (8H26016-DUP1)		**Source: 0805001-05**		Prepared & Analyzed: 08/26/08						
Chromium 52	<2.05E-3	2.05E-3	ug/g dry		ND				35	
Copper 63	3.09E-2	3.48E-3	"		ND				35	
Arsenic 75	1.28E-2	6.25E-3	"		1.37E-2			6.46	35	
Selenium 82	<1.10E-2	1.10E-2	"		ND				35	
Molybdenum 95	<1.60E-3	1.60E-3	"		ND				35	
Ruthenium 101	<8.20E-4	8.20E-4	"		ND				35	
Silver 107	<9.25E-4	9.25E-4	"		ND				35	
Silver 109	<1.07E-3	1.07E-3	"		ND				35	
Cadmium 111	<2.95E-4	2.95E-4	"		ND				35	
Antimony 121	<5.40E-4	5.40E-4	"		ND				35	
Lead 208	1.36E-3	5.60E-4	"		ND				35	

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

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8H26016 - 1:1 Water Extract (ICP/ICPMS)										
Post Spike (8H26016-PS1)		**Source: 0805001-05**		Prepared & Analyzed: 08/26/08						
Chromium 52	5.27E0	N/A	ug/L	5.00E0	1.18E-1	103	75-125			
Copper 63	5.63E0	N/A	"	5.00E0	4.03E-1	105	75-125			
Arsenic 75	7.86E0	N/A	"	5.00E0	2.77E0	102	75-125			
Selenium 82	5.39E0	N/A	"	5.00E0	2.33E-2	107	75-125			
Molybdenum 95	4.96E0	N/A	"	5.00E0	1.65E-1	95.8	75-125			
Ruthenium 101	4.80E0	N/A	"	5.00E0	4.11E-3	96	75-125			
Silver 107	4.80E0	N/A	"	5.00E0	1.77E-2	95.6	75-125			
Silver 109	4.81E0	N/A	"	5.00E0	2.03E-2	95.7	75-125			
Cadmium 111	4.84E0	N/A	"	5.00E0	ND	96.8	75-125			
Antimony 121	4.91E0	N/A	"	5.00E0	3.46E-2	97.6	75-125			
Lead 208	4.92E0	N/A	"	5.00E0	3.18E-2	97.8	75-125			
Batch 8H26017 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8H26017-BLK1)				Prepared & Analyzed: 08/26/08						
Chromium 52	<2.06E-3	2.06E-3	ug/g wet							
Copper 63	<3.48E-3	3.48E-3	"							
Arsenic 75	<6.25E-3	6.25E-3	"							
Selenium 82	<1.10E-2	1.10E-2	"							
Molybdenum 95	<1.60E-3	1.60E-3	"							
Ruthenium 101	<8.20E-4	8.20E-4	"							
Silver 107	<9.25E-4	9.25E-4	"							
Silver 109	<1.07E-3	1.07E-3	"							
Cadmium 111	<2.95E-4	2.95E-4	"							
Antimony 121	<5.40E-4	5.40E-4	"							
Lead 208	<5.60E-4	5.60E-4	"							

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

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8H26017 - 1:1 Water Extract (ICP/ICPMS)										
LCS (8H26017-BS1)				Prepared & Analyzed: 08/26/08						
Chromium 52	5.22E0	2.06E-1	ug/g wet	4.99E0		105	80-120			
Copper 63	5.21E0	3.48E-1	"	4.99E0		104	80-120			
Arsenic 75	5.08E0	6.25E-1	"	4.99E0		102	80-120			
Selenium 82	5.29E0	1.10E0	"	4.99E0		106	80-120			
Molybdenum 95	4.87E0	1.60E-1	"	4.99E0		97.6	80-120			
Ruthenium 101	<8.20E-2	8.20E-2	"				80-120			
Silver 107	4.87E0	9.25E-2	"	4.99E0		97.7	80-120			
Silver 109	4.88E0	1.07E-1	"	4.99E0		97.9	80-120			
Cadmium 111	4.93E0	2.95E-2	"	4.99E0		98.9	80-120			
Lead 208	5.06E0	5.60E-2	"	4.99E0		101	80-120			
Duplicate (8H26017-DUP1)		**Source: 0805003-15**		Prepared: 08/26/08 Analyzed: 08/27/08						
Chromium 52	<2.06E-3	2.06E-3	ug/g dry		ND				35	
Copper 63	<3.48E-3	3.48E-3	"		ND				35	
Arsenic 75	8.60E-3	6.25E-3	"		8.37E-3			2.74	35	
Selenium 82	<1.11E-2	1.11E-2	"		ND				35	
Molybdenum 95	2.45E-3	1.61E-3	"		2.60E-3			5.94	35	
Ruthenium 101	<8.21E-4	8.21E-4	"		ND				35	
Silver 107	<9.26E-4	9.26E-4	"		ND				35	
Silver 109	<1.07E-3	1.07E-3	"		ND				35	
Cadmium 111	<2.95E-4	2.95E-4	"		ND				35	
Antimony 121	8.86E-4	5.40E-4	"		ND				35	
Lead 208	<5.60E-4	5.60E-4	"		ND				35	
Post Spike (8H26017-PS1)		**Source: 0805003-15**		Prepared: 08/26/08 Analyzed: 08/27/08						
Chromium 52	5.18E0	N/A	ug/L	5.00E0	5.51E-2	102	75-125			
Copper 63	5.54E0	N/A	"	5.00E0	4.81E-1	101	75-125			
Arsenic 75	6.89E0	N/A	"	5.00E0	1.67E0	104	75-125			
Selenium 82	5.46E0	N/A	"	5.00E0	8.49E-2	107	75-125			
Molybdenum 95	5.27E0	N/A	"	5.00E0	5.20E-1	95.1	75-125			
Ruthenium 101	4.82E0	N/A	"	5.00E0	3.66E-3	96.4	75-125			
Silver 107	4.80E0	N/A	"	5.00E0	1.71E-2	95.7	75-125			
Silver 109	4.81E0	N/A	"	5.00E0	1.89E-2	95.8	75-125			
Cadmium 111	4.91E0	N/A	"	5.00E0	1.85E-3	98.1	75-125			
Antimony 121	4.95E0	N/A	"	5.00E0	1.85E-2	98.7	75-125			
Lead 208	4.96E0	N/A	"	5.00E0	4.23E-2	98.3	75-125			

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

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8H26018 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8H26018-BLK1)				Prepared: 08/26/08 Analyzed: 08/27/08						
Chromium 52	<2.06E-3	2.06E-3	ug/g wet							
Copper 63	<3.48E-3	3.48E-3	"							
Arsenic 75	<6.25E-3	6.25E-3	"							
Selenium 82	<1.10E-2	1.10E-2	"							
Molybdenum 95	<1.60E-3	1.60E-3	"							
Ruthenium 101	<8.20E-4	8.20E-4	"							
Silver 107	<9.25E-4	9.25E-4	"							
Silver 109	<1.07E-3	1.07E-3	"							
Cadmium 111	<2.95E-4	2.95E-4	"							
Antimony 121	<5.40E-4	5.40E-4	"							
Lead 208	<5.60E-4	5.60E-4	"							
LCS (8H26018-BS1)				Prepared: 08/26/08 Analyzed: 08/27/08						
Chromium 52	5.09E0	2.06E-1	ug/g wet	4.99E0		102	80-120			
Copper 63	5.15E0	3.48E-1	"	4.99E0		103	80-120			
Arsenic 75	5.08E0	6.25E-1	"	4.99E0		102	80-120			
Selenium 82	5.17E0	1.10E0	"	4.99E0		104	80-120			
Molybdenum 95	4.77E0	1.60E-1	"	4.99E0		95.6	80-120			
Ruthenium 101	<8.20E-2	8.20E-2	"				80-120			
Silver 107	4.74E0	9.25E-2	"	4.99E0		94.9	80-120			
Silver 109	4.78E0	1.07E-1	"	4.99E0		95.7	80-120			
Cadmium 111	4.86E0	2.95E-2	"	4.99E0		97.4	80-120			
Lead 208	5.01E0	5.60E-2	"	4.99E0		100	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 8L15001 - ASTM D 5198 (ICP/ICPMS)										
Blank (8L15001-BLK1)				Prepared & Analyzed: 12/15/08						
Chromium 52	<5.46E-2	5.46E-2	ug/g wet							
Chromium 53	5.75E-1	1.61E-1	"							
Copper 63	<1.93E-1	1.93E-1	"							
Copper 65	<1.72E-1	1.72E-1	"							
Arsenic 75	<1.20E-1	1.20E-1	"							
Selenium 82	<3.28E-1	3.28E-1	"							
Molybdenum 95	<6.72E-2	6.72E-2	"							
Molybdenum 97	<6.16E-2	6.16E-2	"							
Molybdenum 98	<2.55E-2	2.55E-2	"							
Ruthenium 101	<1.29E-2	1.29E-2	"							
Ruthenium 102	<7.80E-3	7.80E-3	"							
Ruthenium 104	<2.18E-2	2.18E-2	"							
Silver 107	<1.99E-2	1.99E-2	"							
Silver 109	<1.30E-2	1.30E-2	"							
Cadmium 111	<1.41E-2	1.41E-2	"							
Cadmium 114	<3.20E-3	3.20E-3	"							
Antimony 121	<2.28E-2	2.28E-2	"							
Lead 206	<2.24E-2	2.24E-2	"							
Lead 208	<1.06E-2	1.06E-2	"							
LCS (8L15001-BS1)				Prepared & Analyzed: 12/15/08						
Chromium 52	6.37E0	2.73E-1	ug/g wet	6.06E0		105	80-120			
Copper 63	6.88E0	9.65E-1	"	6.06E0		114	80-120			
Copper 65	6.84E0	8.60E-1	"	6.06E0		113	80-120			
Arsenic 75	6.44E0	6.00E-1	"	6.06E0		106	80-120			
Selenium 82	6.48E0	1.64E0	"	6.06E0		107	80-120			
Molybdenum 95	6.76E0	3.36E-1	"	6.06E0		112	80-120			
Molybdenum 97	6.59E0	3.08E-1	"	6.06E0		109	80-120			
Molybdenum 98	5.90E0	1.28E-1	"	6.06E0		97.4	80-120			
Ruthenium 101	<6.45E-2	6.45E-2	"				80-120			
Ruthenium 102	<3.90E-2	3.90E-2	"				80-120			
Ruthenium 104	<1.09E-1	1.09E-1	"				80-120			
Silver 107	6.78E0	9.95E-2	"	6.06E0		112	80-120			
Silver 109	6.73E0	6.50E-2	"	6.06E0		111	80-120			
Cadmium 111	6.76E0	7.05E-2	"	6.06E0		112	80-120			
Cadmium 114	6.69E0	1.60E-2	"	6.06E0		111	80-120			
Antimony 121	6.39E0	1.14E-1	"	6.06E0		105	80-120			
Lead 206	6.75E0	1.12E-1	"	6.06E0		112	80-120			
Lead 208	6.71E0	5.30E-2	"	6.06E0		111	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 8L15001 - ASTM D 5198 (ICP/ICPMS)										
Duplicate (8L15001-DUP1)		**Source: 0805003-15**		Prepared & Analyzed: 12/15/08						
Chromium 52	7.21E0	1.78E-1	ug/g dry		6.64E0			8.12	35	
Copper 63	7.50E0	6.31E-1	"		6.87E0			8.87	35	
Copper 65	7.54E0	5.62E-1	"		7.09E0			6.20	35	
Arsenic 75	2.80E0	3.92E-1	"		1.58E0			55.9	35	
Selenium 82	<1.07E0	1.07E0	"		ND				35	
Molybdenum 95	<2.20E-1	2.20E-1	"		ND				35	
Molybdenum 97	<2.01E-1	2.01E-1	"		ND				35	
Molybdenum 98	1.50E-1	8.33E-2	"		1.52E-1			1.49	35	
Ruthenium 101	<4.22E-2	4.22E-2	"		ND				35	
Ruthenium 102	<2.55E-2	2.55E-2	"		ND				35	
Ruthenium 104	<7.12E-2	7.12E-2	"		ND				35	
Silver 107	<6.50E-2	6.50E-2	"		ND				35	
Silver 109	<4.25E-2	4.25E-2	"		ND				35	
Cadmium 111	5.26E-2	4.61E-2	"		ND				35	
Cadmium 114	7.77E-2	1.05E-2	"		5.78E-2			29.4	35	
Antimony 121	<7.45E-2	7.45E-2	"		ND				35	
Lead 206	5.14E0	7.32E-2	"		2.43E0			71.4	35	
Lead 208	5.16E0	3.46E-2	"		2.38E0			73.6	35	
Post Spike (8L15001-PS1)		**Source: 0805003-15**		Prepared & Analyzed: 12/15/08						
Chromium 52	2.44E1	N/A	ug/L	5.00E0	1.97E1	94.2	75-125			
Copper 63	2.44E1	N/A	"	5.00E0	2.04E1	80.7	75-125			
Copper 65	2.53E1	N/A	"	5.00E0	2.10E1	85.6	75-125			
Arsenic 75	8.65E0	N/A	"	5.00E0	4.67E0	79.6	75-125			
Selenium 82	4.44E0	N/A	"	5.00E0	1.99E-1	84.8	75-125			
Molybdenum 95	5.70E0	N/A	"	5.00E0	4.12E-1	106	75-125			
Molybdenum 97	5.66E0	N/A	"	5.00E0	4.37E-1	104	75-125			
Molybdenum 98	5.43E0	N/A	"	5.00E0	4.51E-1	99.7	75-125			
Ruthenium 101	5.03E0	N/A	"	5.00E0	ND	101	75-125			
Ruthenium 102	4.95E0	N/A	"	5.00E0	2.71E-2	98.4	75-125			
Ruthenium 104	5.20E0	N/A	"	5.00E0	1.01E-1	102	75-125			
Silver 107	4.82E0	N/A	"	5.00E0	1.24E-1	94	75-125			
Silver 109	4.73E0	N/A	"	5.00E0	8.10E-2	93	75-125			
Cadmium 111	4.96E0	N/A	"	5.00E0	1.09E-1	97	75-125			
Cadmium 114	4.87E0	N/A	"	5.00E0	1.71E-1	94	75-125			
Antimony 121	4.56E0	N/A	"	5.00E0	1.15E-1	88.9	75-125			
Lead 206	1.13E1	N/A	"	5.00E0	7.22E0	82.5	75-125			
Lead 208	1.12E1	N/A	"	5.00E0	7.07E0	83.6	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 9C16001 - ASTM D 5198 (RadChem)										
Blank (9C16001-BLK1)				Prepared: 03/16/09 Analyzed: 03/18/09						
Gross Beta	<2.99E1	2.99E1	pCi/g wet							
Gross Alpha	<1.33E1	1.33E1	"							
Duplicate (9C16001-DUP1)	**Source: 0805003-15**			Prepared: 03/16/09 Analyzed: 03/18/09						
Gross Beta	<9.78E1	9.78E1	pCi/g dry		ND				35	
Gross Alpha	<4.35E1	4.35E1	"		ND				35	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8L15002 - 1:1 Water Extract (RadChem)										
Blank (8L15002-BLK1)				Prepared: 12/15/08 Analyzed: 03/17/09						
Gross Beta	<2.99E1	2.99E1	pCi/g wet							
Gross Alpha	<1.33E1	1.33E1	"							
Duplicate (8L15002-DUP1)				Prepared: 12/15/08 Analyzed: 03/17/09						
Gross Beta	<2.99E1	2.99E1	pCi/g wet						35	
Gross Alpha	<1.33E1	1.33E1	"						35	

PARTICLE SIZE DISTRIBUTION ANALYSIS HYDROMETER

Sample ID:	B1VDW5	
Time, min	X, um	P, %
0.5	81.1	1.10
1	57.2	1.03
3	33.0	0.96
10	17.8	0.55
30	10.3	0.48
60	7.21	0.27
90	5.88	0.27
120	5.10	0.27
1440	1.47	0.27

Sample ID:	B1VDW7	
Time, min	X, um	P, %
0.5	81.8	5.50
1	57.6	4.95
3	33.3	4.95
10	18.0	3.57
30	10.3	2.75
60	7.27	2.20
90	5.92	1.92
120	5.12	1.65
1440	1.48	1.65

Sample ID:	B1VDW6	
Time, min	X, um	P, %
0.5	81.3	2.66
1	57.4	2.51
3	32.9	2.04
10	17.9	1.57
30	10.3	1.25
60	7.22	0.78
90	5.88	0.63
120	5.10	0.63
1440	1.47	0.63

Sample ID:	B1VDW8	
Time, min	X, um	P, %
0.5	83.8	8.65
1	59.0	8.10
3	33.6	6.42
10	18.2	5.03
30	10.4	3.91
60	7.34	3.35
90	5.97	2.79
120	5.15	2.51
1440	1.48	2.23

PARTICLE SIZE DISTRIBUTION ANALYSIS HYDROMETER

Sample ID:	B1VDW9	
Time, min	X, um	P, %
0.5	83.1	5.23
1	58.1	4.26
3	33.3	3.48
10	18.1	2.71
30	10.4	2.32
60	7.29	1.74
90	5.94	1.55
120	5.14	1.55
1440	1.48	1.35

Sample ID:	B1VDX0	
Time, min	X, um	P, %
0.5	84.4	10.14
1	59.1	8.69
3	33.9	7.82
10	18.3	5.50
30	10.4	4.06
60	7.34	3.48
90	5.97	2.90
120	5.15	2.61
1440	1.48	2.32

PARTICLE SIZE DISTRIBUTION ANALYSIS HYDROMETER

Sample ID:	B1V991	
Time, min	X, um	P, %
0.5	83.7	2.62
1	58.9	2.27
3	33.8	1.75
10	18.4	1.40
30	10.6	1.40
60	7.49	1.05
90	6.10	0.87
120	5.28	0.87
1440	1.52	0.70

Sample ID:	B1V993	
Time, min	X, um	P, %
0.5	85.5	5.82
1	60.0	4.89
3	34.3	3.96
10	18.7	3.26
30	10.7	2.56
60	7.56	2.33
90	6.16	2.10
120	5.32	1.86
1440	1.53	1.40

Sample ID:	B1V992	
Time, min	X, um	P, %
0.5	86.3	6.95
1	60.5	5.99
3	34.6	5.03
10	18.8	4.07
30	10.8	3.35
60	7.57	2.64
90	6.17	2.40
120	5.33	2.16
1440	1.52	1.20

Sample ID:	B1V994	
Time, min	X, um	P, %
0.5	87.7	9.99
1	61.3	8.37
3	34.8	6.21
10	18.9	5.40
30	10.9	4.59
60	7.62	3.78
90	6.20	3.24
120	5.36	2.97
1440	1.53	1.62

PARTICLE SIZE DISTRIBUTION ANALYSIS HYDROMETER

Sample ID:	B1V995	
Time, min	X, um	P, %
0.5	88.2	7.98
1	61.6	6.78
3	35.1	5.39
10	19.0	4.19
30	10.9	3.39
60	7.62	2.79
90	6.21	2.59
120	5.36	2.19
1440	1.53	1.40

Sample ID:	B1V997	
Time, min	X, um	P, %
0.5	90.5	15.85
1	62.3	11.67
3	34.9	7.48
10	18.9	5.68
30	10.8	4.79
60	7.62	4.19
90	6.20	3.59
120	5.36	3.29
1440	1.53	2.09

Sample ID:	B1V996	
Time, min	X, um	P, %
0.5	89.8	14.15
1	62.0	10.69
3	34.9	7.22
10	18.9	5.49
30	10.8	4.33
60	7.61	3.75
90	6.20	3.47
120	5.36	3.18
1440	1.53	2.02

Sample ID:	B1V998	
Time, min	X, um	P, %
0.5	87.0	8.13
1	61.0	7.15
3	34.9	6.16
10	19.0	5.42
30	10.9	4.68
60	7.66	3.94
90	6.23	3.45
120	5.38	3.20
1440	1.53	1.48

PARTICLE SIZE DISTRIBUTION ANALYSIS HYDROMETER

Sample ID:	B1V999	
Time, min	X, um	P, %
0.5	85.4	5.29
1	60.1	4.85
3	34.5	4.19
10	18.8	3.53
30	10.8	2.87
60	7.57	2.42
90	6.17	2.20
120	5.33	1.98
1440	1.52	1.10

Sample ID:	B1V9B1	
Time, min	X, um	P, %
0.5	84.1	3.02
1	59.3	2.84
3	34.2	2.66
10	18.6	2.31
30	10.7	2.13
60	7.56	1.78
90	6.16	1.60
120	5.32	1.42
1440	1.52	0.89

Sample ID:	B1V9B0	
Time, min	X, um	P, %
0.5	84.6	2.40
1	59.7	2.28
3	34.2	1.80
10	18.7	1.68
30	10.7	1.44
60	7.56	1.20
90	6.16	1.08
120	5.32	0.96
1440	1.52	0.60

Sample ID:	B1V9B2	
Time, min	X, um	P, %
0.5	84.8	4.44
1	59.7	4.02
3	34.2	3.38
10	18.6	2.75
30	10.7	2.33
60	7.54	1.90
90	6.14	1.69
120	5.31	1.48
1440	1.52	1.06

PARTICLE SIZE DISTRIBUTION ANALYSIS HYDROMETER

Sample ID:	B1V9B3	
Time, min	X, um	P, %
0.5	85.5	9.63
1	60.2	8.86
3	34.5	7.32
10	18.8	6.16
30	10.8	5.01
60	7.57	4.24
90	6.16	3.47
120	5.33	3.47
1440	1.53	2.31

Sample ID:	B1V9B5	
Time, min	X, um	P, %
0.5	81.6	1.61
1	57.6	1.21
3	33.2	1.21
10	18.2	1.21
30	10.5	1.21
60	7.43	1.21
90	6.07	1.21
120	5.26	1.21
1440	1.52	1.21

Sample ID:	B1V9B4	
Time, min	X, um	P, %
0.5	83.9	9.82
1	59.2	9.20
3	34.0	7.98
10	18.5	6.14
30	10.7	5.52
60	7.54	5.52
90	6.16	5.52
120	5.32	4.91
1440	1.52	3.07

Sample ID:	B1V9B6	
Time, min	X, um	P, %
0.5	82.0	3.13
1	57.9	2.61
3	33.2	1.56
10	18.2	1.56
30	10.5	1.56
60	7.43	1.56
90	6.07	1.56
120	5.26	1.56
1440	1.52	1.56

PARTICLE SIZE DISTRIBUTION ANALYSIS HYDROMETER

Sample ID:	B1V9B7	
Time, min	X, um	P, %
0.5	82.2	3.64
1	58.1	3.64
3	33.4	2.60
10	18.3	2.08
30	10.5	2.08
60	7.45	2.08
90	6.07	1.56
120	5.26	1.56
1440	1.52	1.56

Sample ID:	B1V9B9	
Time, min	X, um	P, %
0.5	83.0	5.91
1	58.4	4.84
3	33.6	3.76
10	18.4	3.76
30	10.6	3.23
60	7.47	2.69
90	6.10	2.69
120	5.27	2.15
1440	1.52	1.61

Sample ID:	B1V9B8	
Time, min	X, um	P, %
0.5	81.6	2.55
1	57.6	1.92
3	33.2	1.92
10	18.2	1.92
30	10.5	1.92
60	7.43	1.92
90	6.07	1.92
120	5.26	1.92
1440	1.52	1.92

Sample ID:	B1V9C0	
Time, min	X, um	P, %
0.5	83.0	6.48
1	58.3	4.71
3	33.6	4.12
10	18.3	3.53
30	10.6	2.95
60	7.47	2.95
90	6.10	2.95
120	5.28	2.95
1440	1.52	1.77

PARTICLE SIZE DISTRIBUTION ANALYSIS HYDROMETER

Sample ID:	B1V9C1	
Time, min	X, um	P, %
0.5	82.2	3.61
1	58.0	3.10
3	33.5	3.10
10	18.3	3.10
30	10.6	2.58
60	7.45	2.06
90	6.08	2.06
120	5.26	1.55
1440	1.52	1.55

Sample ID:	B1V9C3	
Time, min	X, um	P, %
0.5	83.5	5.16
1	58.7	4.05
3	33.7	3.32
10	18.5	3.32
30	10.6	2.58
60	7.49	2.21
90	6.11	2.21
120	5.28	1.84
1440	1.52	1.11

Sample ID:	B1V9C2	
Time, min	X, um	P, %
0.5	83.0	5.12
1	58.4	4.19
3	33.7	4.19
10	18.4	3.26
30	10.6	3.26
60	7.47	2.33
90	6.10	2.33
120	5.26	1.40
1440	1.52	1.40

Sample ID:	B1V9C4	
Time, min	X, um	P, %
0.5	83.5	4.90
1	58.9	4.55
3	33.9	3.85
10	18.6	3.85
30	10.7	3.15
60	7.50	2.45
90	6.13	2.45
120	5.29	2.10
1440	1.52	1.40

PARTICLE SIZE DISTRIBUTION ANALYSIS HYDROMETER

Sample ID:	B1V2V5	
Time, min	X, um	P, %
0.5	83.1	5.78
1	58.7	5.30
3	33.7	4.33
10	18.4	3.37
30	10.6	2.89
60	7.47	2.41
90	6.10	2.41
120	5.26	1.44
1440	1.51	0.96

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1VDW5		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.00%	100
1 1/4"	31500	0.00%	100
5/8"	16000	52.3%	47.7
5/16"	8000	21.3%	26.3
5	4000	10.0%	16.3
10	2000	4.16%	12.1
18	1000	4.06%	8.09
35	500	2.68%	5.40
60	250	2.54%	2.86
120	125	1.33%	1.54
230	63	0.86%	0.68
Pan		0.68%	0.00

Sample ID:	B1VDW6		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.00%	100
1 1/4"	31500	0.00%	100
5/8"	16000	37.4%	62.6
5/16"	8000	16.7%	46.0
5	4000	8.83%	37.1
10	2000	6.48%	30.7
18	1000	8.76%	21.9
35	500	7.03%	14.9
60	250	7.31%	7.56
120	125	3.86%	3.71
230	63	2.04%	1.66
Pan		1.66%	0.00

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1VDW7		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.00%	100
1 1/4"	31500	0.00%	100
5/8"	16000	12.2%	87.8
5/16"	8000	10.7%	77.1
5	4000	12.4%	64.6
10	2000	10.2%	54.5
18	1000	13.7%	40.8
35	500	12.1%	28.7
60	250	12.1%	16.6
120	125	7.76%	8.87
230	63	5.51%	3.36
Pan		3.36%	0.00

Sample ID:	B1VDW8		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.00%	100
1 1/4"	31500	0.00%	100
5/8"	16000	5.19%	94.8
5/16"	8000	17.6%	77.2
5	4000	13.5%	63.7
10	2000	9.85%	53.9
18	1000	14.6%	39.3
35	500	12.7%	26.6
60	250	9.69%	16.9
120	125	7.77%	9.09
230	63	5.86%	3.23
Pan		3.23%	0.00

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1VDW9		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.00%	100
1 1/4"	31500	0.00%	100
5/8"	16000	24.3%	75.7
5/16"	8000	21.1%	54.6
5	4000	7.81%	46.8
10	2000	8.97%	37.8
18	1000	13.7%	24.1
35	500	12.1%	12.0
60	250	5.28%	6.76
120	125	3.22%	3.54
230	63	2.14%	1.40
Pan		1.40%	0.00

Sample ID:	B1VDX0		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.00%	100
1 1/4"	31500	0.00%	100
5/8"	16000	5.87%	94.1
5/16"	8000	12.5%	81.6
5	4000	14.0%	67.6
10	2000	11.2%	56.4
18	1000	17.5%	38.9
35	500	16.5%	22.4
60	250	8.48%	13.9
120	125	4.84%	9.09
230	63	4.99%	4.10
Pan		4.10%	0.00

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1V991		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	33.6%	66.4
5/16"	8000	15.3%	51.2
5	4000	10.4%	40.8
10	2000	8.1%	32.7
18	1000	9.5%	23.2
35	500	8.1%	15.1
60	250	7.4%	7.72
120	125	3.9%	3.80
230 + Pan	<125	3.8%	0.00

Sample ID:	B1V992		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	18.0%	82.0
5/16"	8000	18.3%	63.7
5	4000	11.1%	52.6
10	2000	9.2%	43.4
18	1000	14.4%	29.1
35	500	14.4%	14.7
60	250	6.3%	8.36
120	125	3.6%	4.72
230 + Pan	<125	4.7%	0.00

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1V993		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	14.4%	85.6
5/16"	8000	17.4%	68.2
5	4000	11.5%	56.7
10	2000	8.9%	47.8
18	1000	12.5%	35.3
35	500	12.3%	23.0
60	250	9.9%	13.1
120	125	6.3%	6.79
230 + Pan	<125	6.8%	0.00

Sample ID:	B1V994		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	8.8%	91.2
5/16"	8000	18.5%	72.6
5	4000	13.4%	59.2
10	2000	10.4%	48.8
18	1000	15.5%	33.3
35	500	13.6%	19.8
60	250	8.0%	11.8
120	125	5.0%	6.78
230 + Pan	<125	6.8%	0.00

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1V995		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	18.7%	81.3
5/16"	8000	21.0%	60.3
5	4000	13.0%	47.3
10	2000	9.9%	37.4
18	1000	12.8%	24.6
35	500	11.5%	13.1
60	250	5.6%	7.50
120	125	3.5%	3.98
230 + Pan	<125	4.0%	0.00

Sample ID:	B1V996		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	13.6%	86.4
5/16"	8000	17.3%	69.1
5	4000	7.8%	61.3
10	2000	8.1%	53.2
18	1000	16.5%	36.8
35	500	14.5%	22.3
60	250	5.4%	16.9
120	125	4.2%	12.6
230 + Pan	<125	12.6%	0.00

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1V997		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	2.6%	97.4
5/16"	8000	16.9%	80.5
5	4000	10.1%	70.4
10	2000	9.9%	60.5
18	1000	21.1%	39.4
35	500	17.5%	21.9
60	250	6.7%	15.3
120	125	4.6%	10.6
230 + Pan	<125	10.6%	0.00

Sample ID:	B1V998		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	7.7%	92.3
5/16"	8000	12.0%	80.4
5	4000	15.9%	64.4
10	2000	18.2%	46.2
18	1000	19.3%	26.9
35	500	11.3%	15.6
60	250	6.1%	9.49
120	125	4.1%	5.37
230 + Pan	<125	5.4%	0.00

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1V999		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	15.8%	84.2
5/16"	8000	22.6%	61.6
5	4000	18.7%	42.9
10	2000	13.9%	28.9
18	1000	11.5%	17.5
35	500	6.6%	10.9
60	250	3.9%	7.04
120	125	2.8%	4.28
230 + Pan	<125	4.3%	0.00

Sample ID:	B1V9B0		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	22.8%	77.2
5/16"	8000	42.8%	34.4
5	4000	15.0%	19.4
10	2000	6.2%	13.3
18	1000	4.4%	8.86
35	500	3.5%	5.38
60	250	2.1%	3.28
120	125	1.3%	1.97
230 + Pan	<125	2.0%	0.00

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1V9B1		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	41.5%	58.5
5/16"	8000	19.2%	39.3
5	4000	12.8%	26.5
10	2000	5.7%	20.8
18	1000	8.3%	12.6
35	500	5.6%	7.00
60	250	3.4%	3.60
120	125	1.5%	2.11
230 + Pan	<125	2.1%	0.00

Sample ID:	B1V9B2		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	25.3%	74.7
5/16"	8000	25.7%	49.0
5	4000	16.2%	32.8
10	2000	8.6%	24.2
18	1000	7.3%	16.8
35	500	6.3%	10.6
60	250	4.5%	6.12
120	125	2.6%	3.54
230 + Pan	<125	3.5%	0.00

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1V9B3		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	15.7%	84.3
5/16"	8000	18.9%	65.4
5	4000	11.3%	54.1
10	2000	9.2%	44.9
18	1000	12.2%	32.7
35	500	12.1%	20.6
60	250	8.2%	12.4
120	125	5.2%	7.19
230 + Pan	<125	7.2%	0.00

Sample ID:	B1V9B4		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	0.0%	100
5/16"	8000	0.0%	100
5	4000	2.2%	97.8
10	2000	2.8%	95.0
18	1000	11.8%	83.2
35	500	47.4%	35.8
60	250	27.6%	8.19
120	125	5.3%	2.88
230 + Pan	<125	2.9%	0.00

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1V9B5		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	0.0%	100
5/16"	8000	0.0%	100
5	4000	0.2%	99.8
10	2000	2.5%	97.3
18	1000	55.7%	41.6
35	500	35.1%	6.52
60	250	4.1%	2.46
120	125	1.2%	1.26
230 + Pan	<125	1.3%	0.00

Sample ID:	B1V9B6		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	0.0%	100
5/16"	8000	0.7%	99.3
5	4000	0.3%	99.0
10	2000	3.3%	95.7
18	1000	46.0%	49.7
35	500	34.2%	15.5
60	250	8.0%	7.53
120	125	3.6%	3.92
230 + Pan	<125	3.9%	0.00

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1V9B7		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	0.0%	100
5/16"	8000	0.0%	100
5	4000	0.0%	100
10	2000	0.3%	99.7
18	1000	25.0%	74.8
35	500	61.1%	13.6
60	250	8.4%	5.28
120	125	2.6%	2.65
230 + Pan	<125	2.6%	0.00

Sample ID:	B1V9B8		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	0.0%	100
5/16"	8000	0.0%	100
5	4000	0.0%	100
10	2000	0.2%	99.8
18	1000	29.2%	70.6
35	500	58.6%	12.0
60	250	8.5%	3.51
120	125	2.0%	1.52
230 + Pan	<125	1.5%	0.00

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1V9B9		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	0.0%	100
5/16"	8000	0.0%	100
5	4000	0.0%	100
10	2000	0.5%	99.5
18	1000	21.6%	77.9
35	500	56.6%	21.3
60	250	10.6%	10.7
120	125	4.5%	6.18
230 + Pan	<125	6.2%	0.00

Sample ID:	B1V9C0		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	0.0%	100
5/16"	8000	0.0%	100
5	4000	0.6%	99.4
10	2000	1.4%	98.0
18	1000	34.5%	63.5
35	500	48.1%	15.4
60	250	8.7%	6.73
120	125	3.3%	3.46
230 + Pan	<125	3.5%	0.00

PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

Sample ID:	B1V9C1		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	0.0%	100
5/16"	8000	0.0%	100
5	4000	0.0%	100
10	2000	0.7%	99.3
18	1000	30.6%	68.7
35	500	53.6%	15.2
60	250	8.1%	7.11
120	125	3.4%	3.73
230 + Pan	<125	3.7%	0.00

Sample ID:	B1V9C2		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	0.0%	100
5/16"	8000	0.3%	99.7
5	4000	5.4%	94.2
10	2000	11.3%	82.9
18	1000	18.4%	64.5
35	500	35.1%	29.4
60	250	21.6%	7.76
120	125	4.4%	3.32
230 + Pan	<125	3.3%	0.00

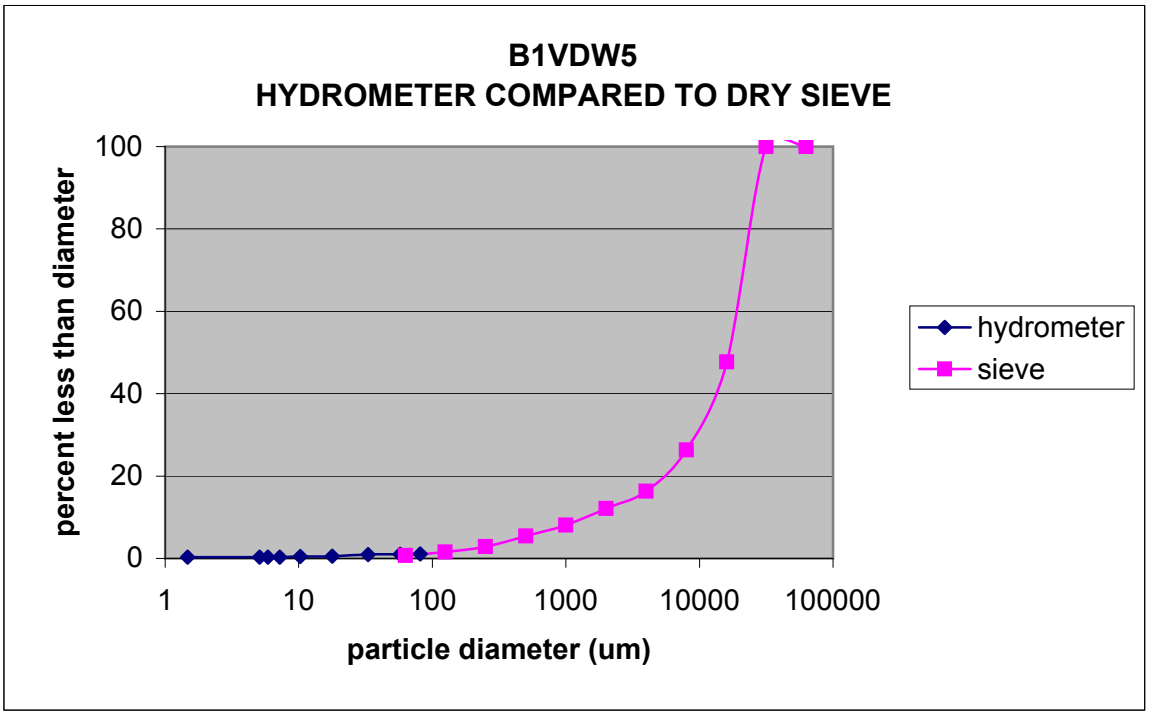
PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

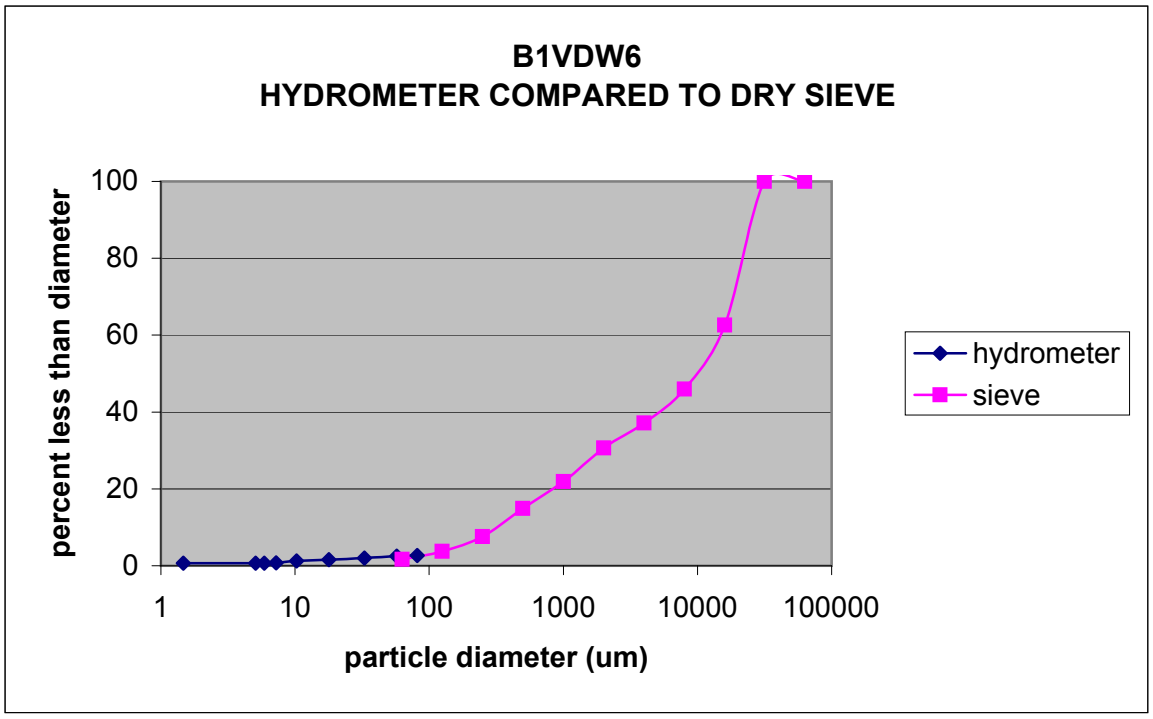
Sample ID:	B1V9C3		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	0.0%	100
5/16"	8000	0.9%	99.1
5	4000	8.0%	91.1
10	2000	10.5%	80.7
18	1000	20.1%	60.6
35	500	36.7%	23.9
60	250	17.0%	6.90
120	125	4.2%	2.71
230 + Pan	<125	2.7%	0.00

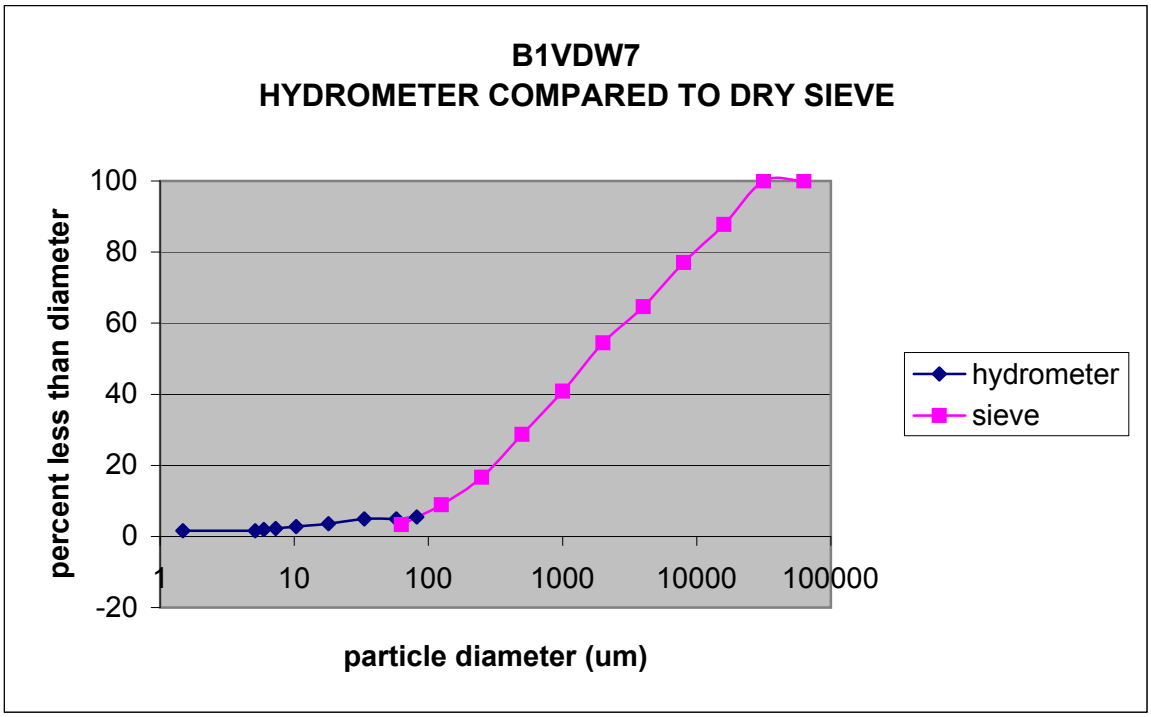
Sample ID:	B1V9C4		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	8.6%	91.4
5/16"	8000	6.4%	85.0
5	4000	13.2%	71.8
10	2000	9.2%	62.6
18	1000	12.5%	50.1
35	500	26.9%	23.2
60	250	15.8%	7.34
120	125	3.8%	3.54
230 + Pan	<125	3.5%	0.00

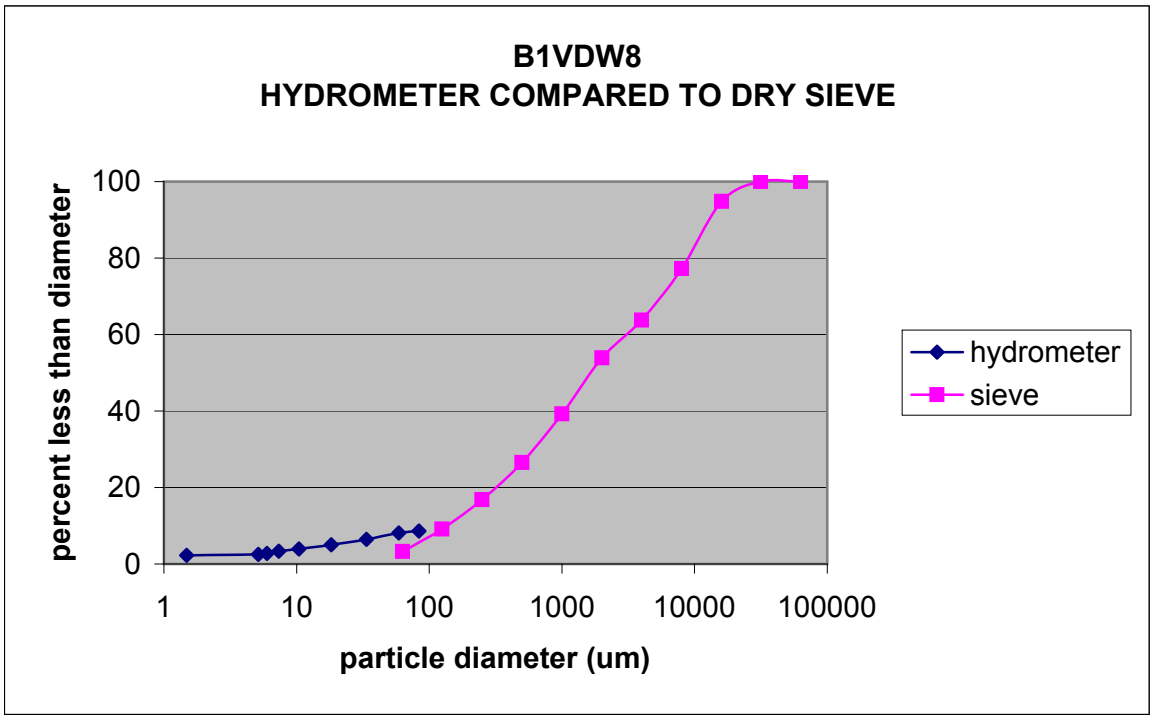
PARTICLE SIZE DISTRIBUTION ANALYSIS DRY SEIVE

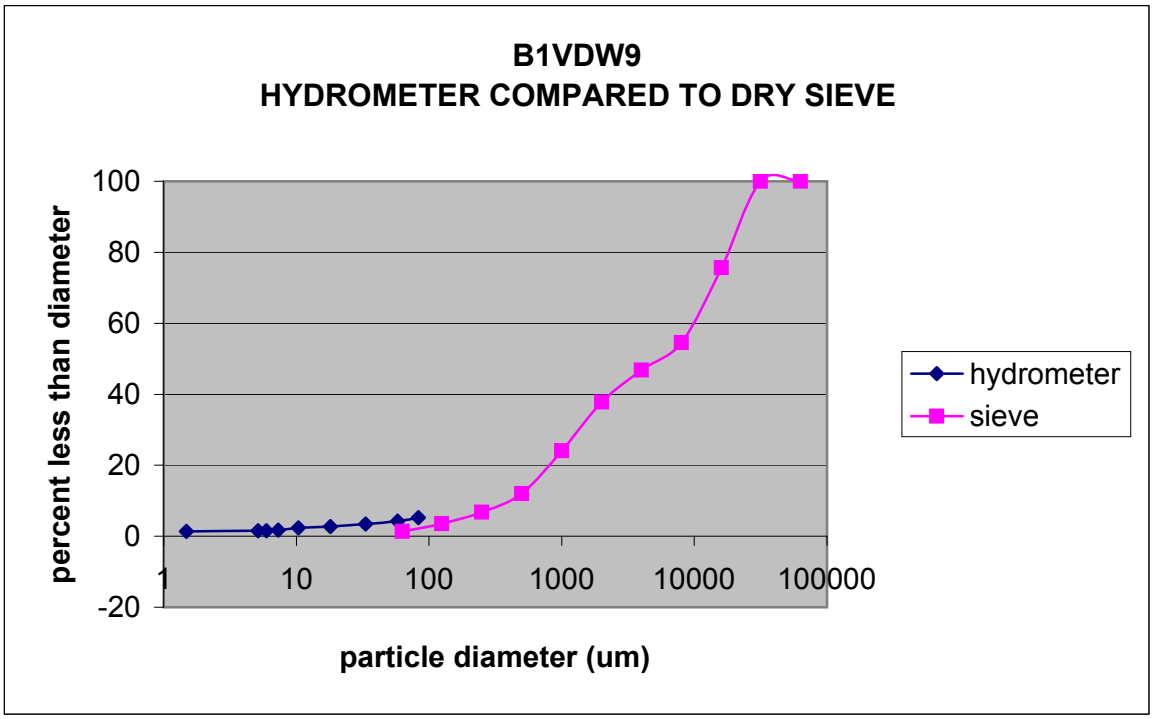
Sample ID:	B1V2V5		
SIEVE NUMBER	X, um	SOIL FRACTION	PERCENT PASSING
2 1/2"	63000	0.0%	100
1 1/4"	31500	0.0%	100
5/8"	16000	0.0%	100
5/16"	8000	0.0%	100
5	4000	1.0%	99.0
10	2000	5.2%	93.8
18	1000	39.3%	54.5
35	500	41.3%	13.3
60	250	6.8%	6.46
120	125	3.2%	3.27
230 + Pan	<125	3.3%	0.00


B1VDW5
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
100
80
60
40
20
0
1
10
100
1000
10000
100000
particle diameter (um)
hydrometer
sieve


B1VDW6
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
100
80
60
40
20
0
1
10
100
1000
10000
100000
particle diameter (um)
hydrometer
sieve


B1VDW7
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
100
80
60
40
20
0
-20
1
10
100
1000
10000
100000
particle diameter (um)
hydrometer
sieve


B1VDW8
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
100
80
60
40
20
0
1
10
100
1000
10000
100000
particle diameter (um)
hydrometer
sieve


B1VDW9
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
100
80
60
40
20
0
-20
1
10
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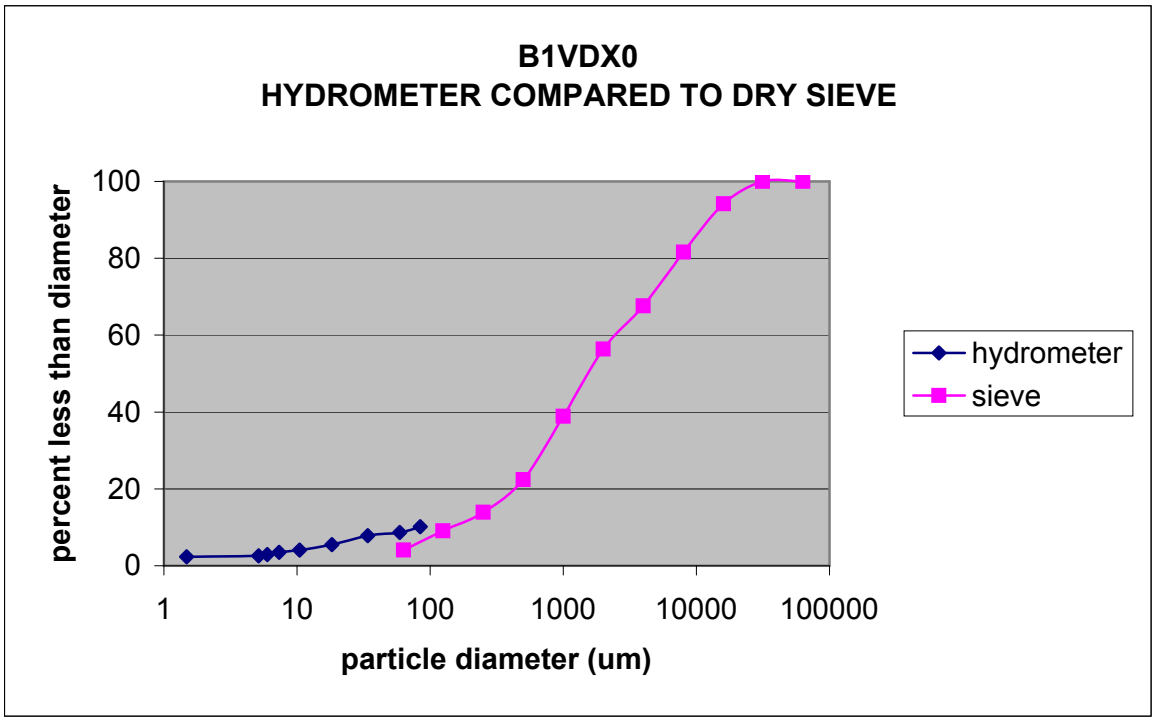
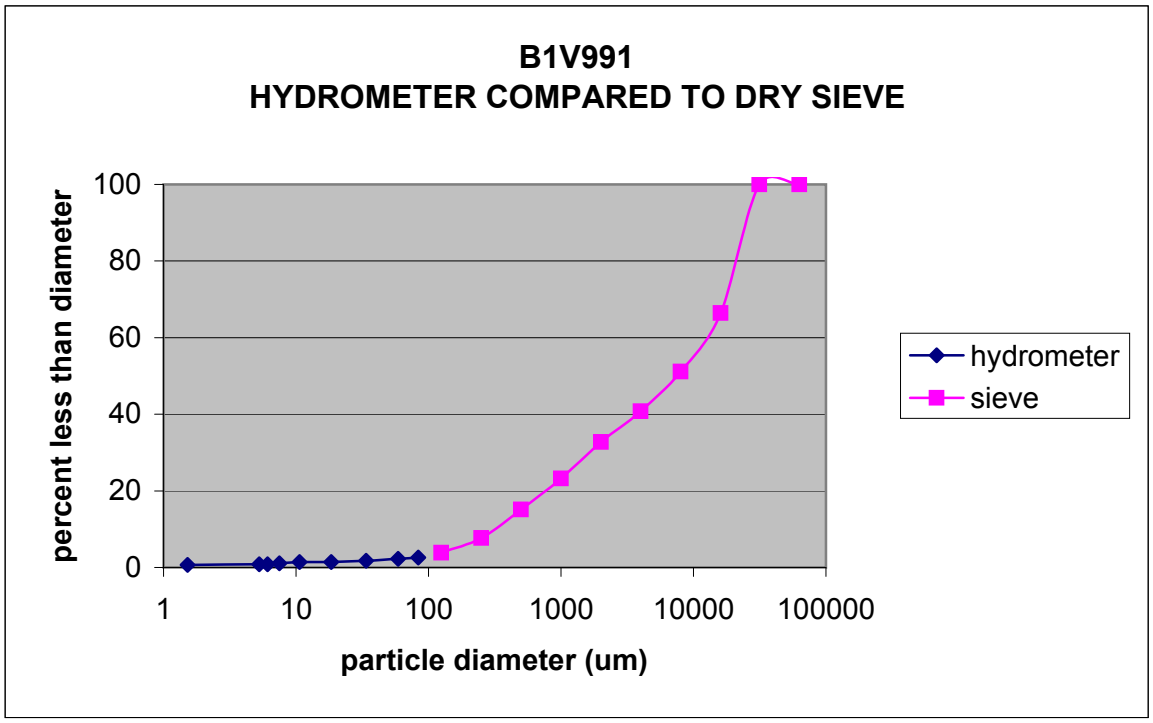
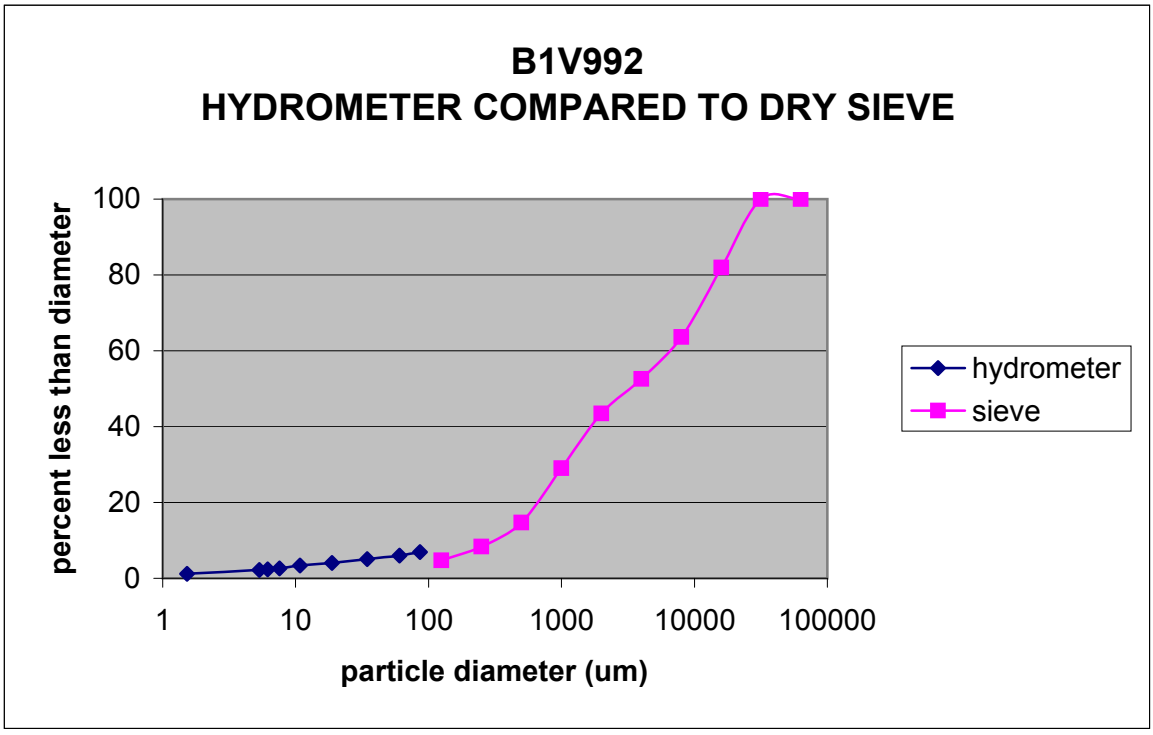
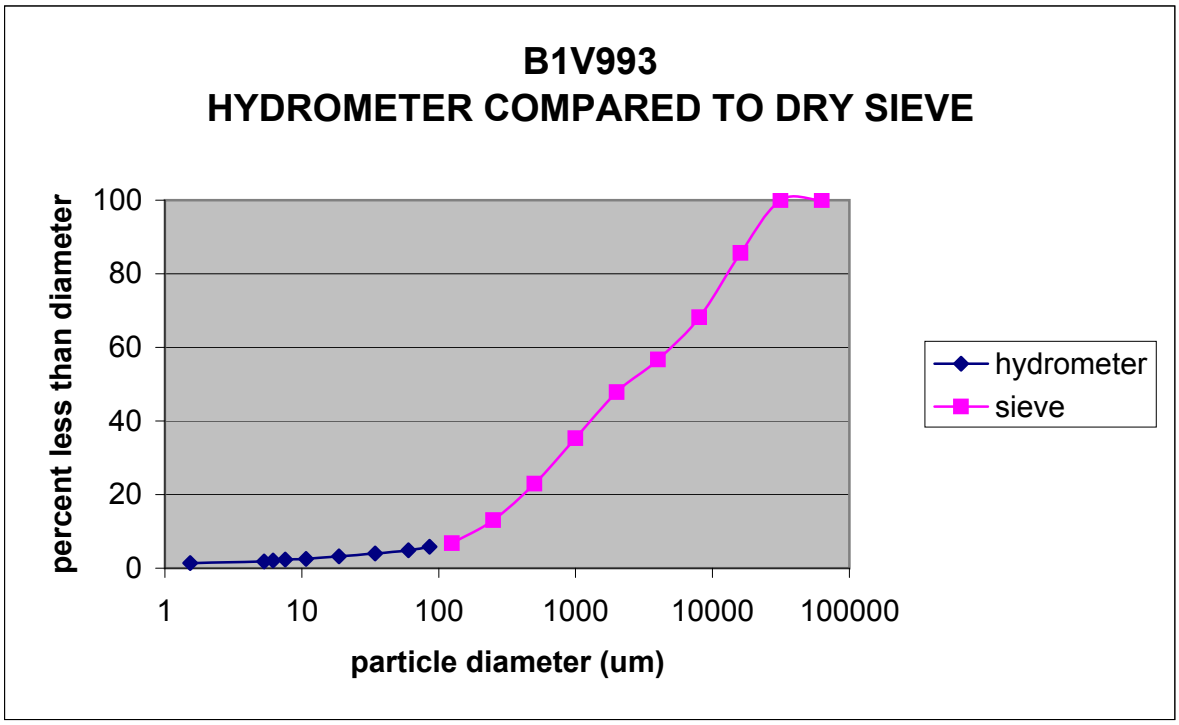
1000
10000
100000
particle diameter (um)
hydrometer
sieve


B1VDX0
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
100
80
60
40
20
0
1
10
100
1000
10000
100000
particle diameter (um)
hydrometer
sieve


B1V991
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
100
80
60
40
20
0
1
10
100
1000
10000
100000
particle diameter (um)
hydrometer
sieve


B1V992
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
100
80
60
40
20
0
1
10
100
1000
10000
100000
particle diameter (um)
hydrometer
sieve


B1V993
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
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60
40
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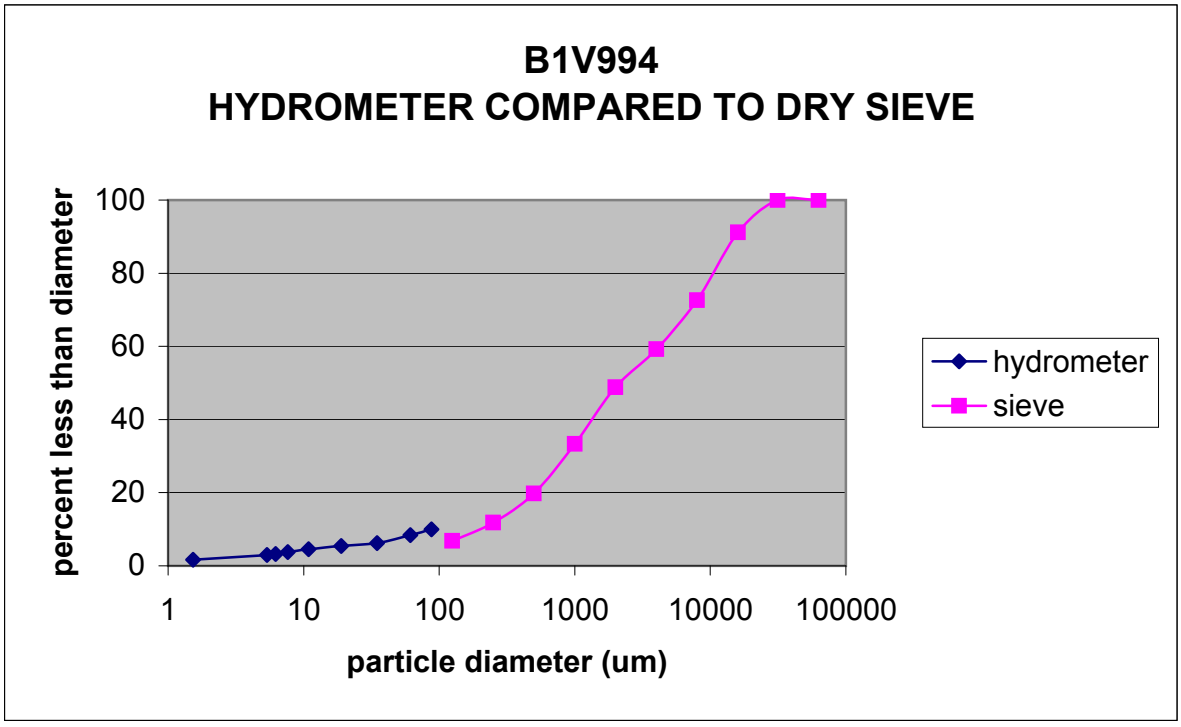
100000
particle diameter (um)
hydrometer
sieve


B1V994
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
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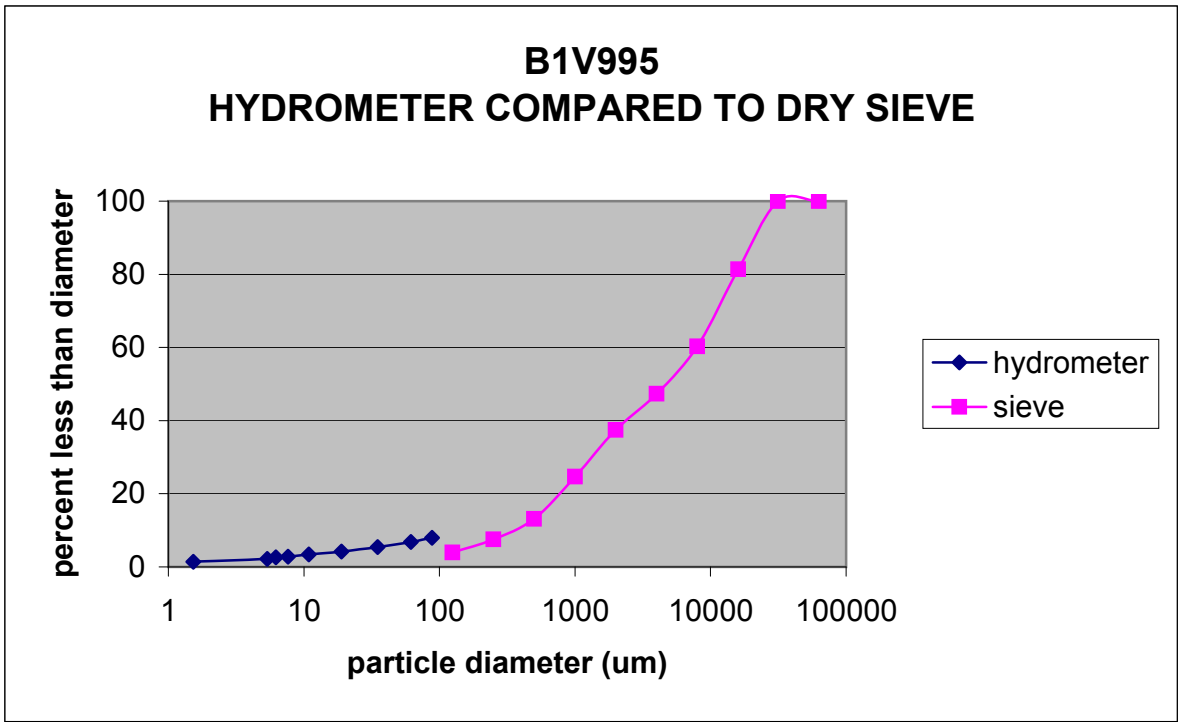
particle diameter (um)
hydrometer
sieve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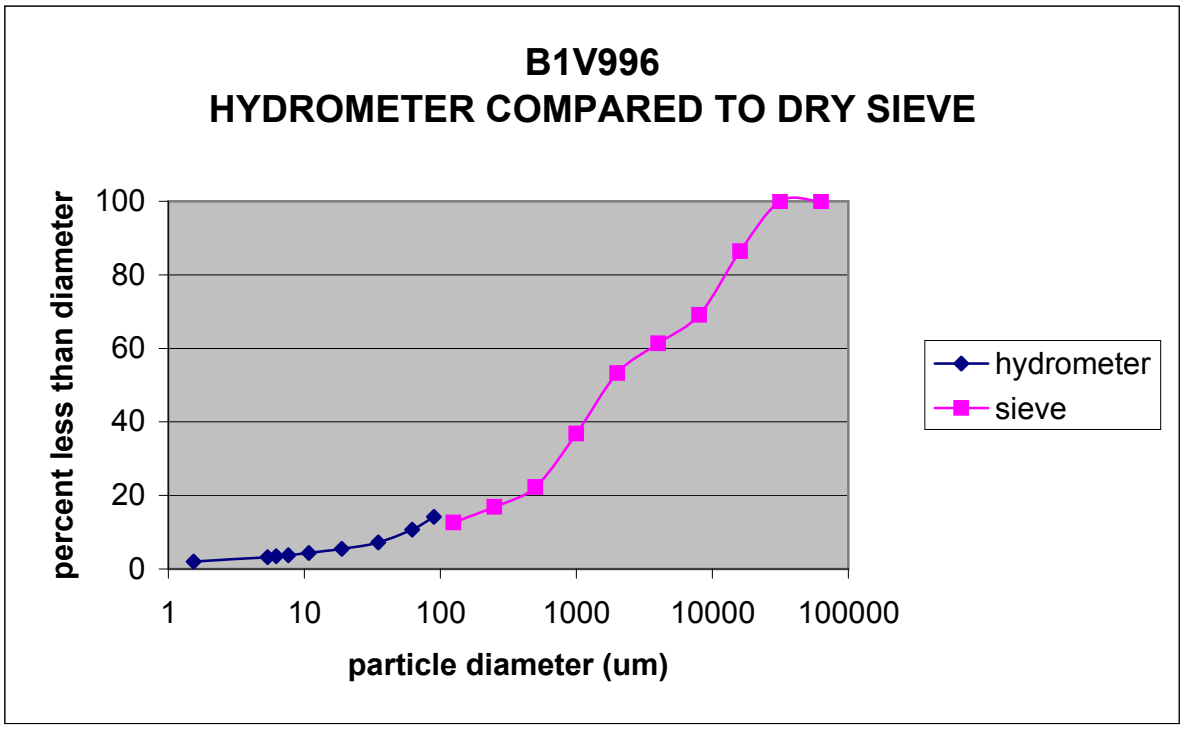
particle diameter (um)
hydrometer
sieve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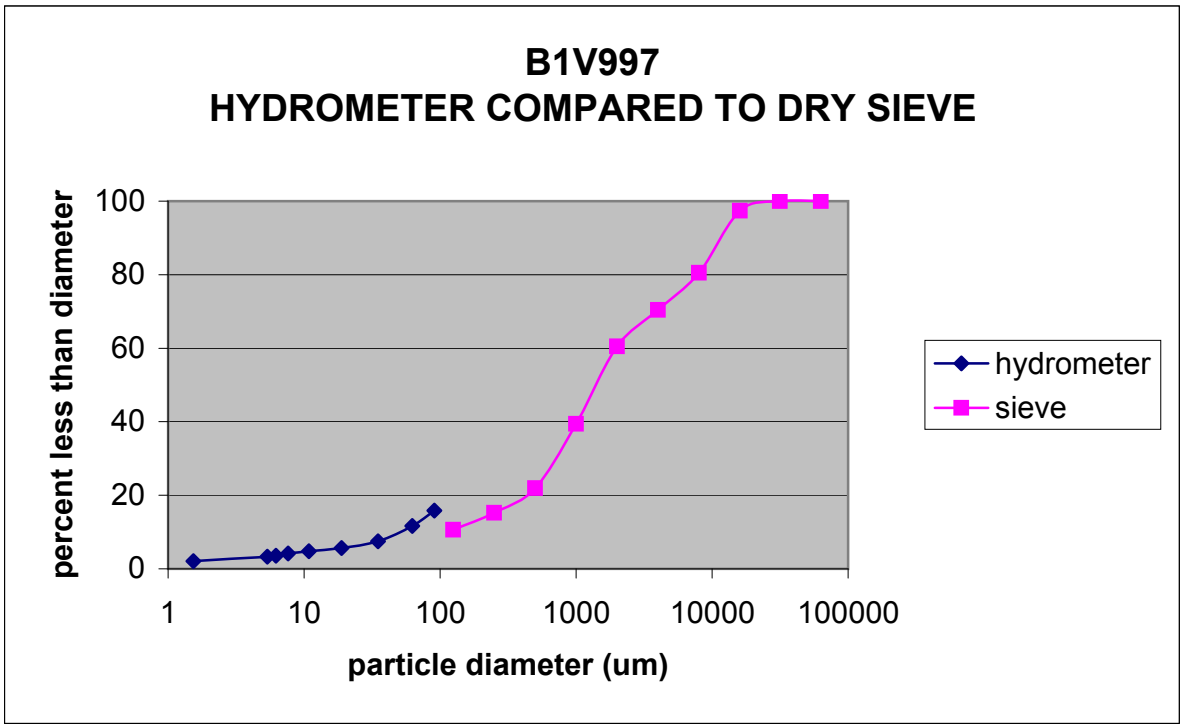
particle diameter (um)
hydrometer
sieve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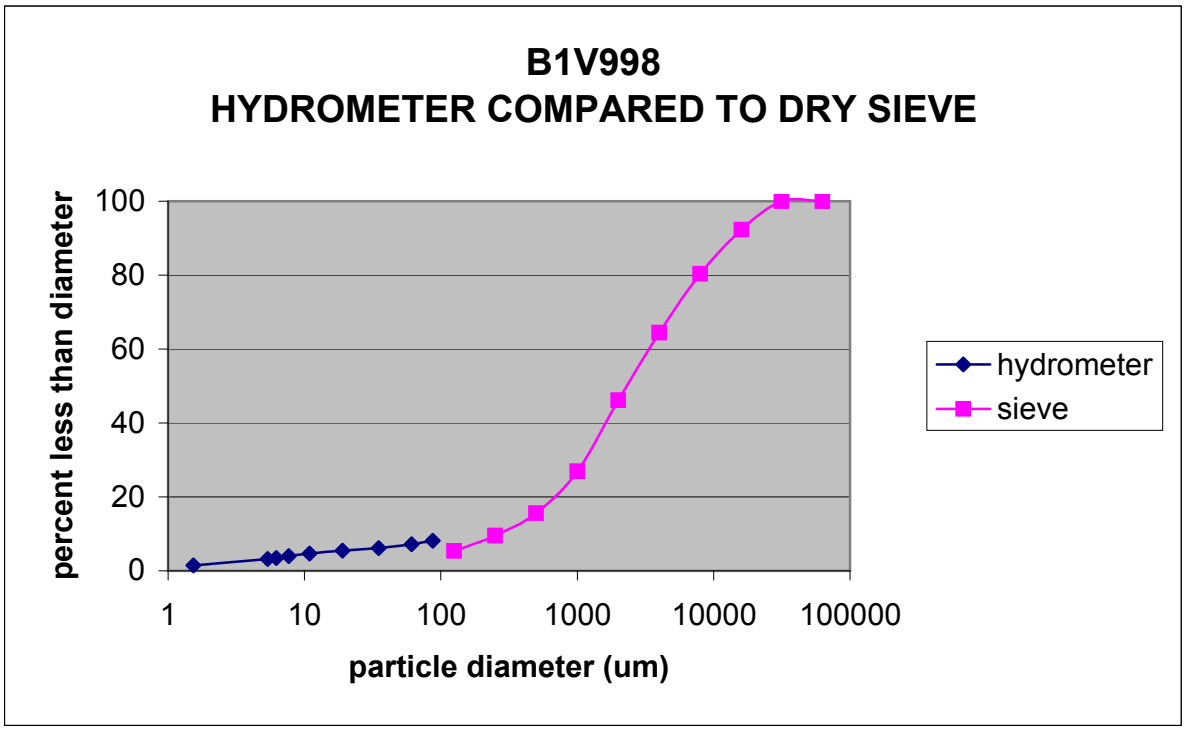
particle diameter (um)
hydrometer
sieve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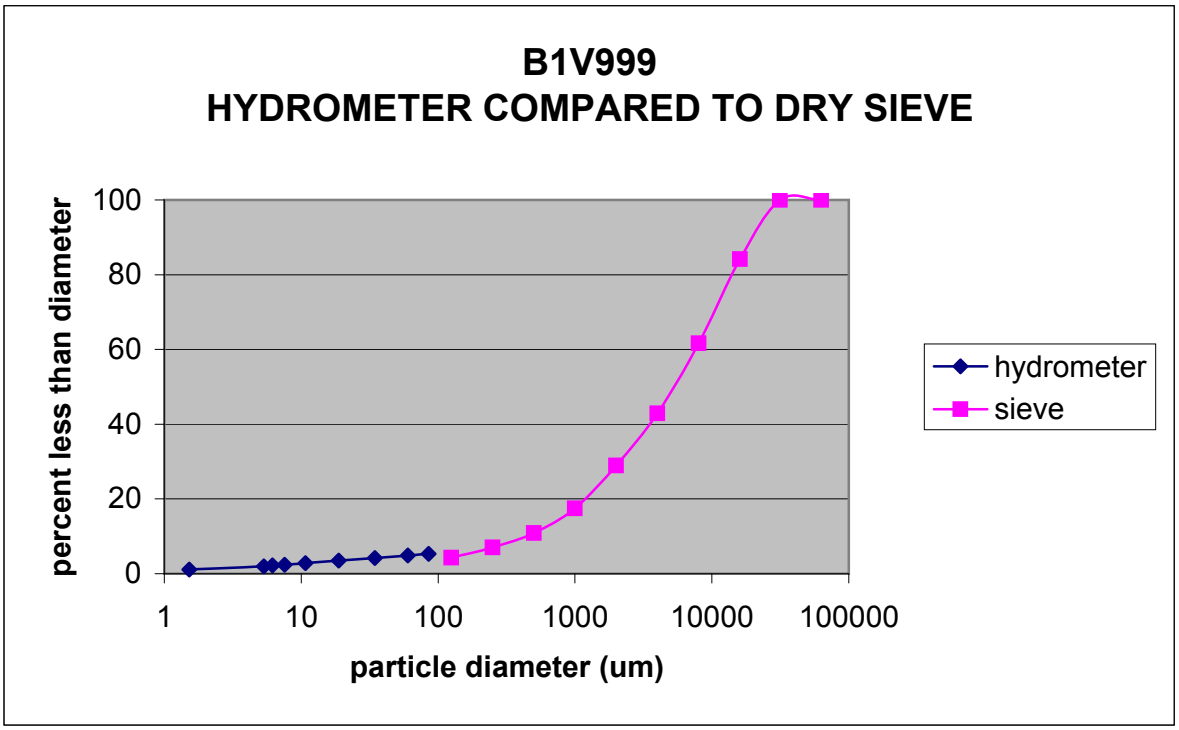
particle diameter (um)
hydrometer
sieve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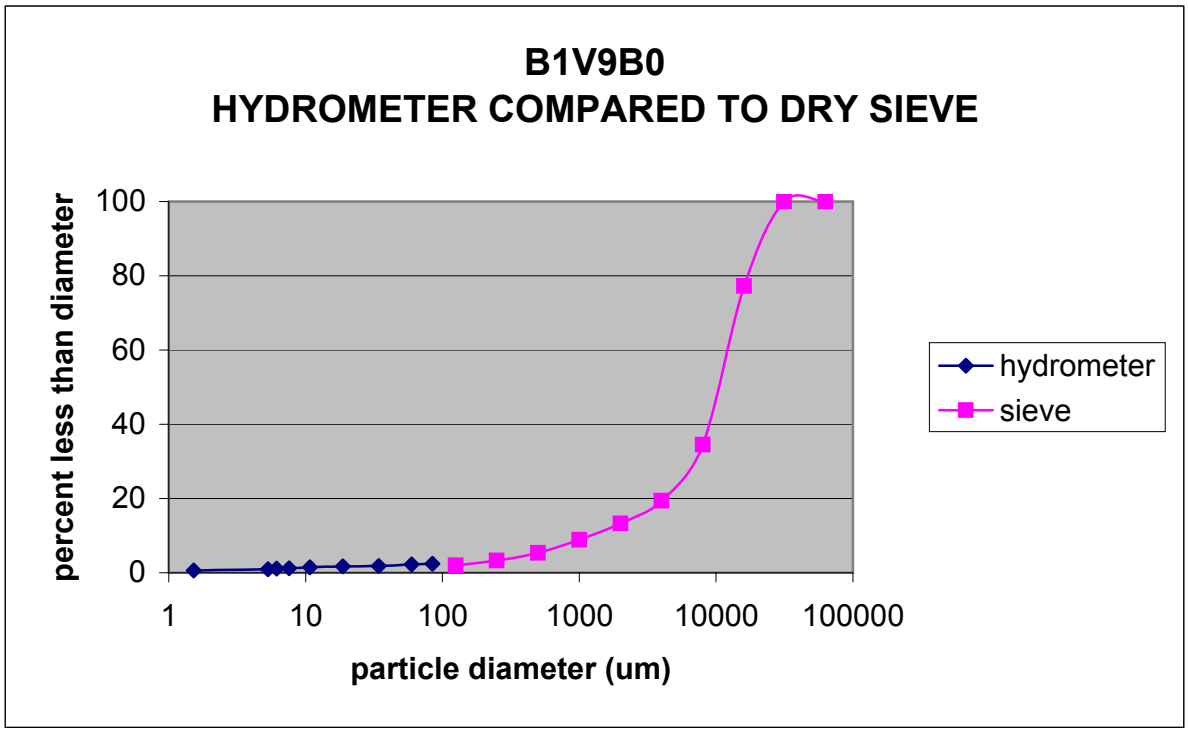
particle diameter (um)
hydrometer
sieve


B1V9B0
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percent less than diameter
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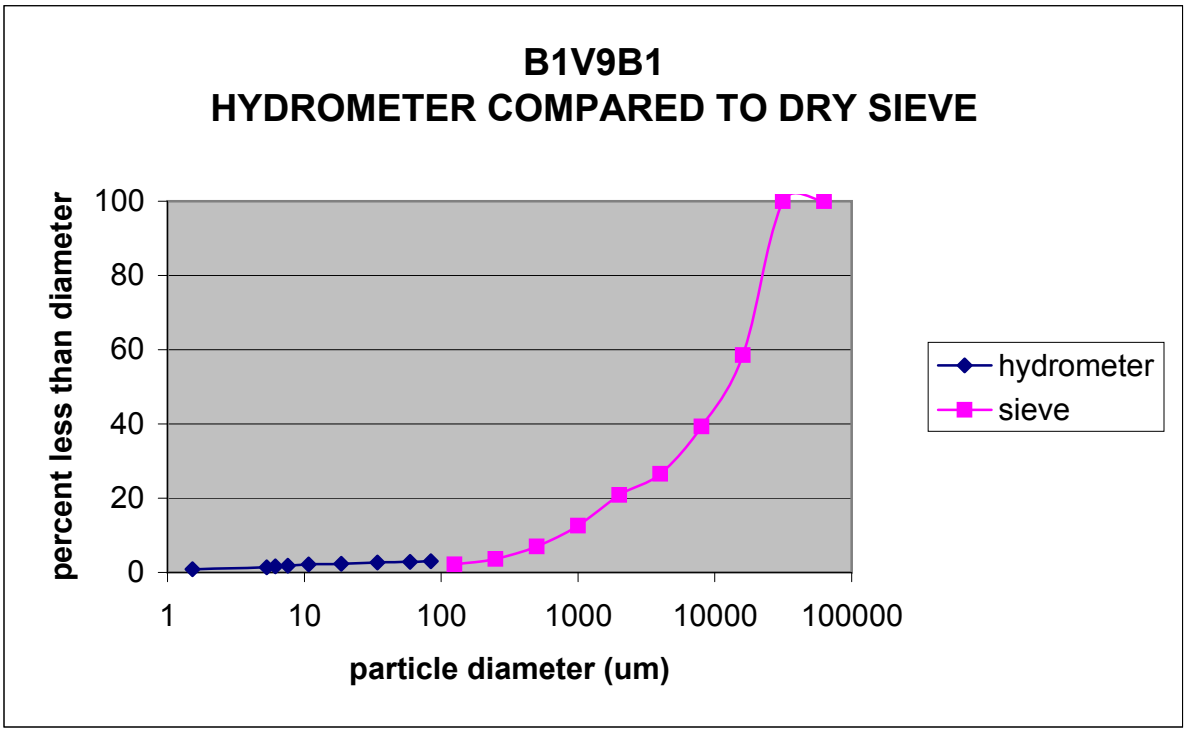
particle diameter (um)
hydrometer
sieve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HYDROMETER COMPARED TO DRY SIEVE
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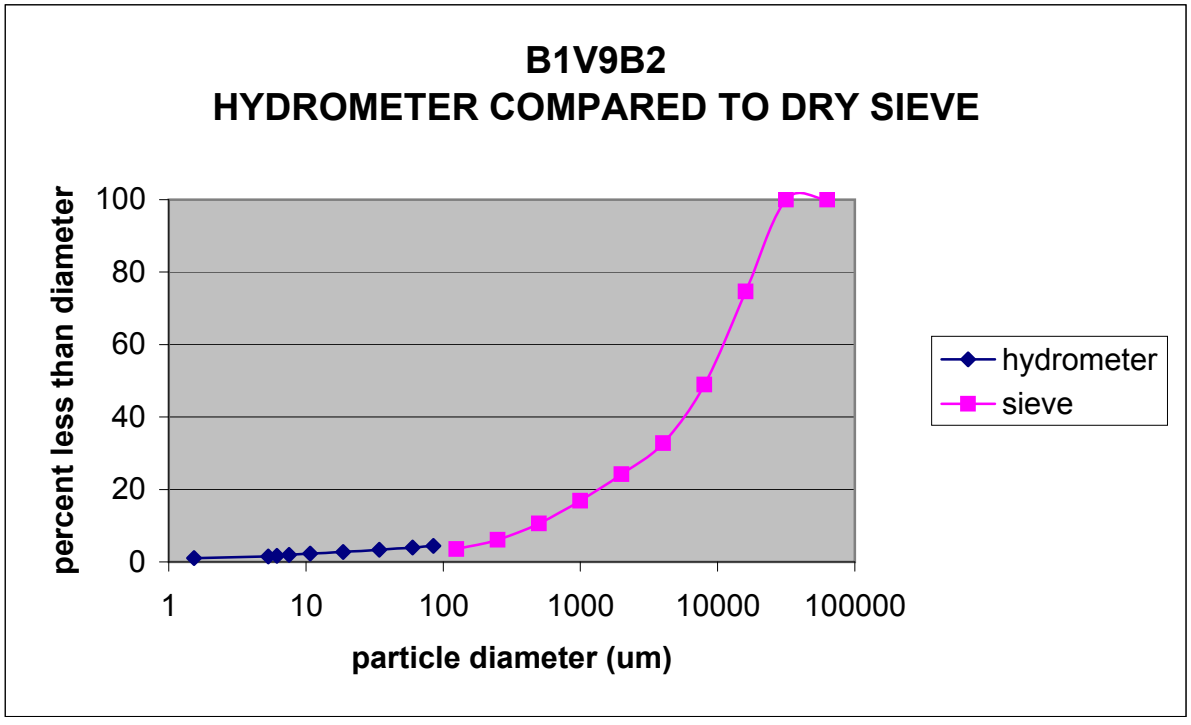
100000
particle diameter (um)
hydrometer
sieve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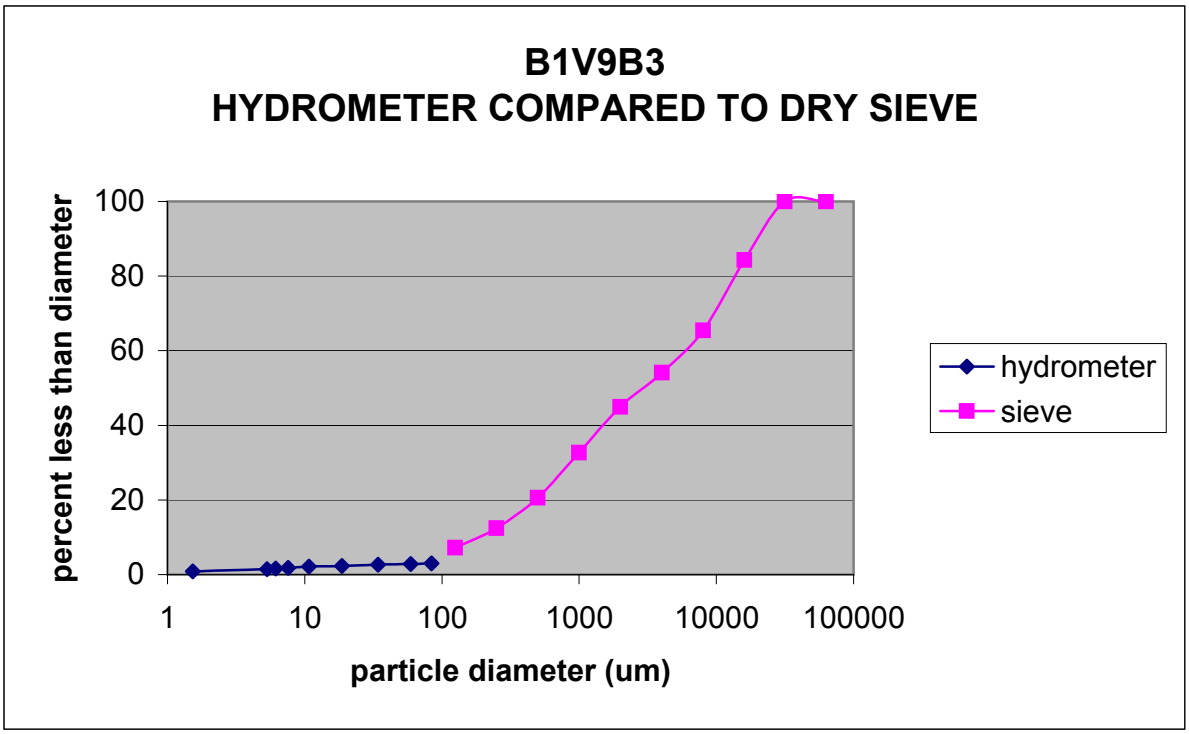
100000
particle diameter (um)
hydrometer
sieve


B1V9B3
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
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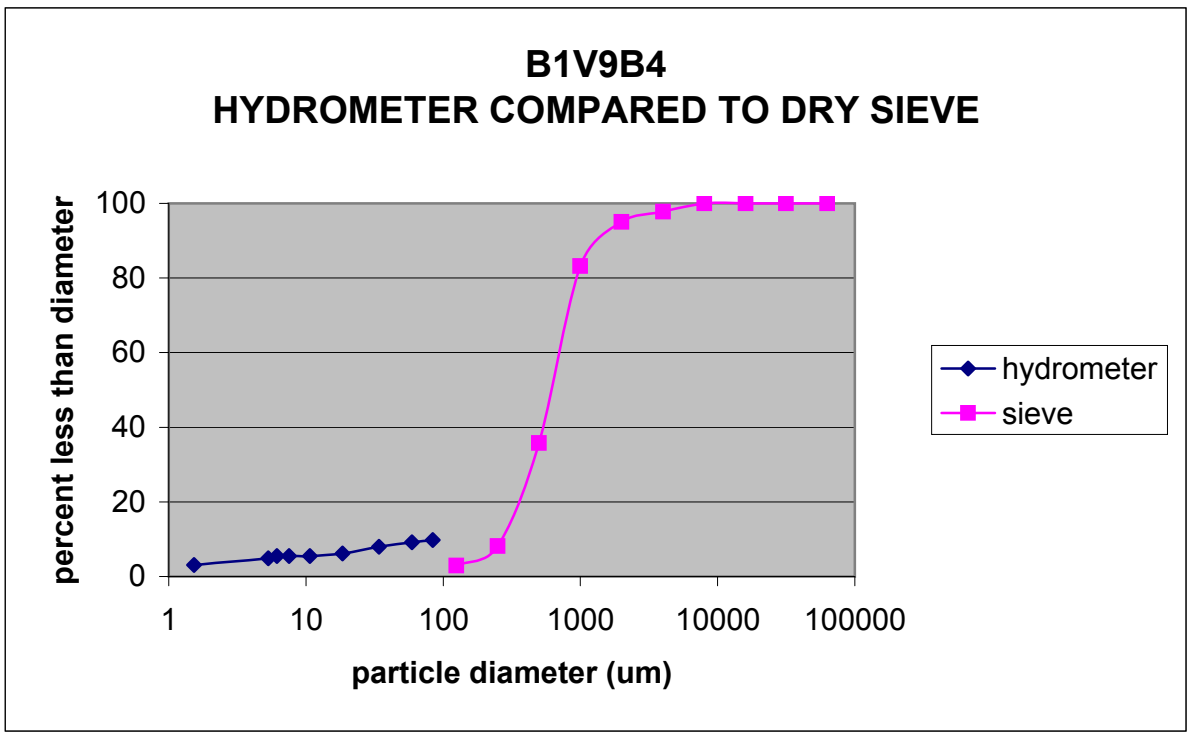
100000
particle diameter (um)
hydrometer
sieve


B1V9B4
HYDROMETER COMPARED TO DRY SIEVE
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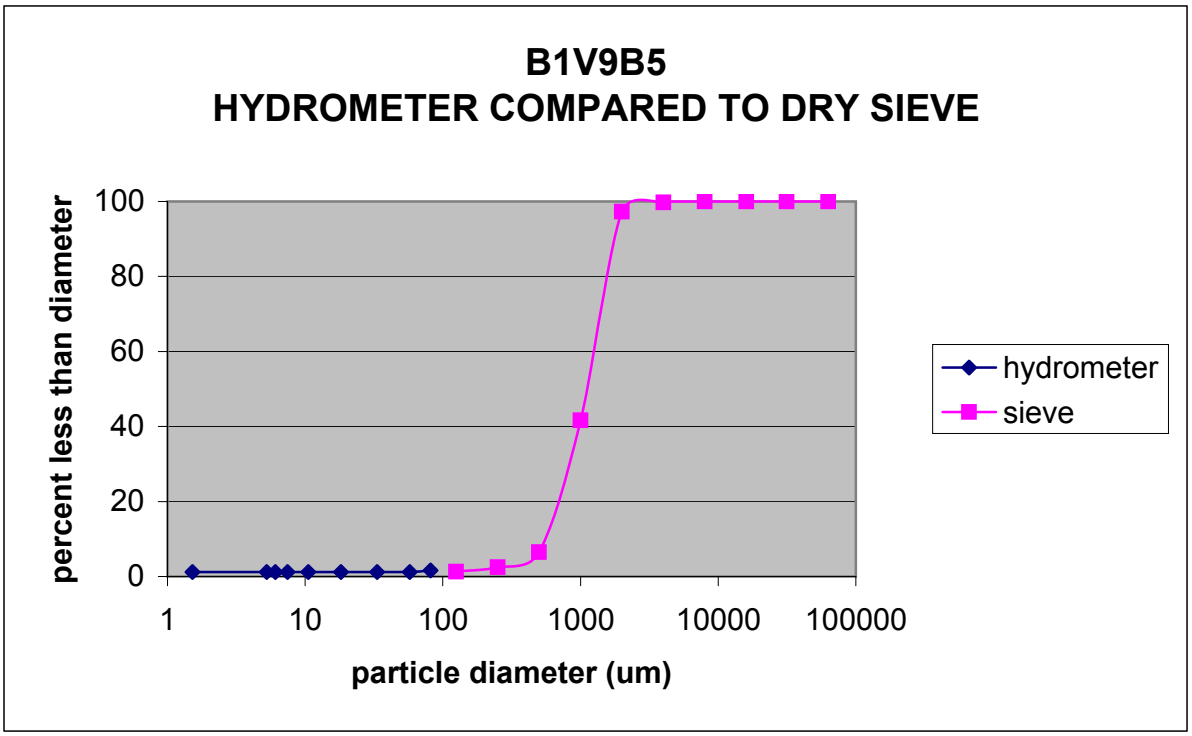
100000
particle diameter (um)
hydrometer
sieve


B1V9B5
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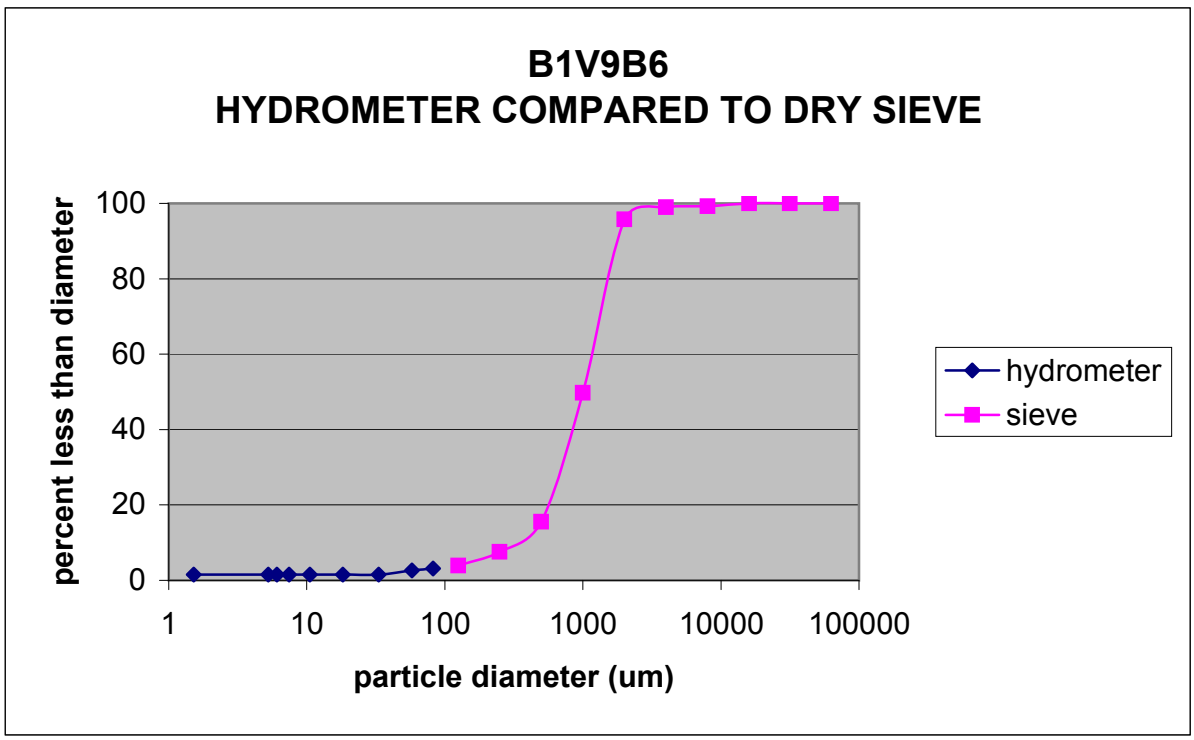
100000
particle diameter (um)
hydrometer
sieve


B1V9B6
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
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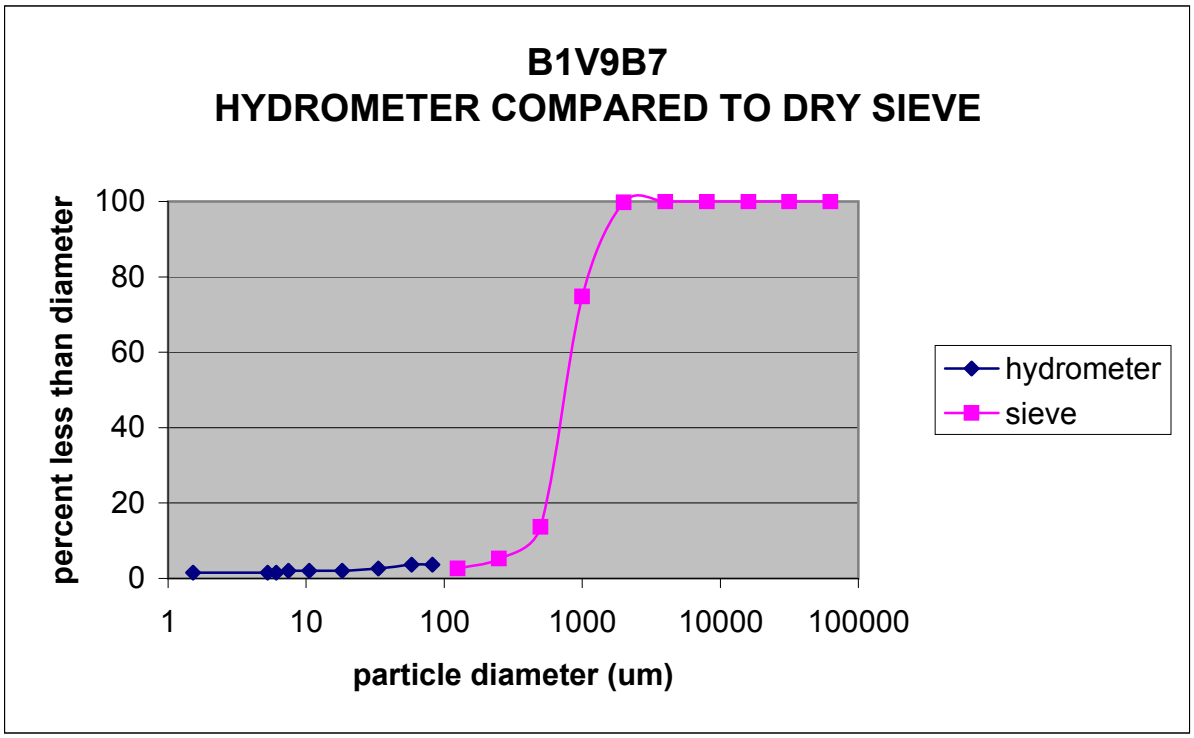
100000
particle diameter (um)
hydrometer
sieve


B1V9B7
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percent less than diameter
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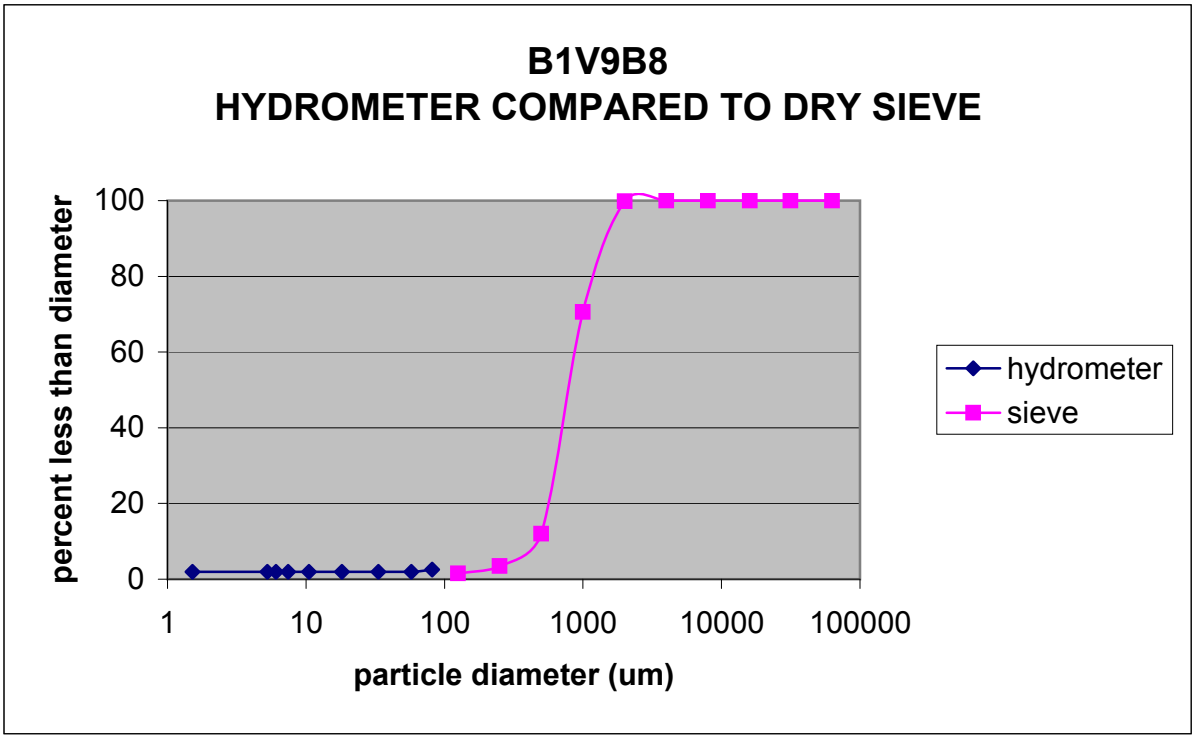
particle diameter (um)
hydrometer
sieve


B1V9B8
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
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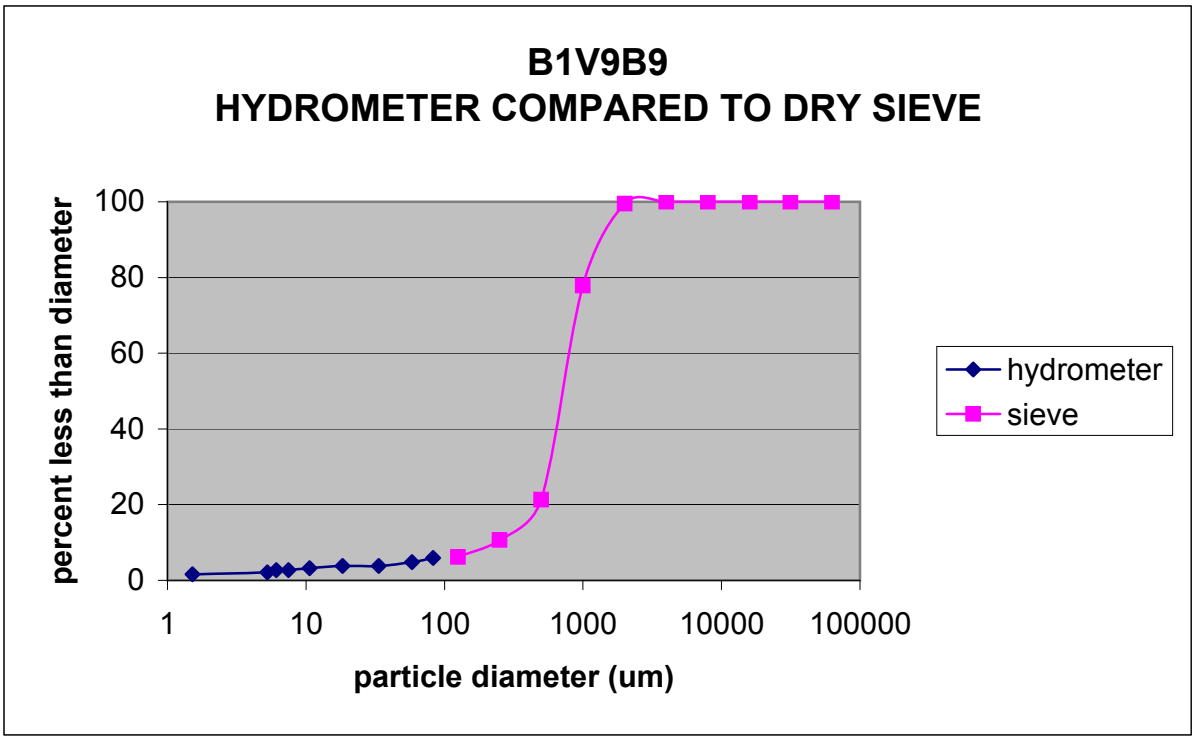
particle diameter (um)
hydrometer
sieve


B1V9B9
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percent less than diameter
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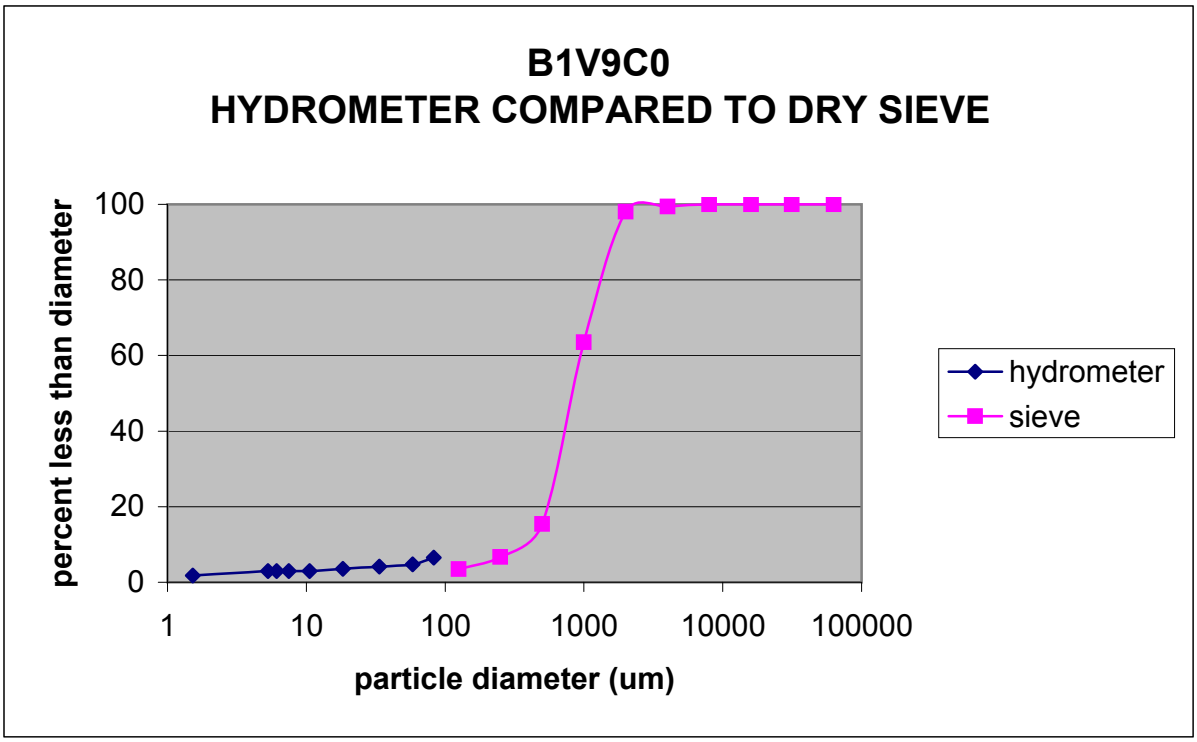
particle diameter (um)
hydrometer
sieve


B1V9C0
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
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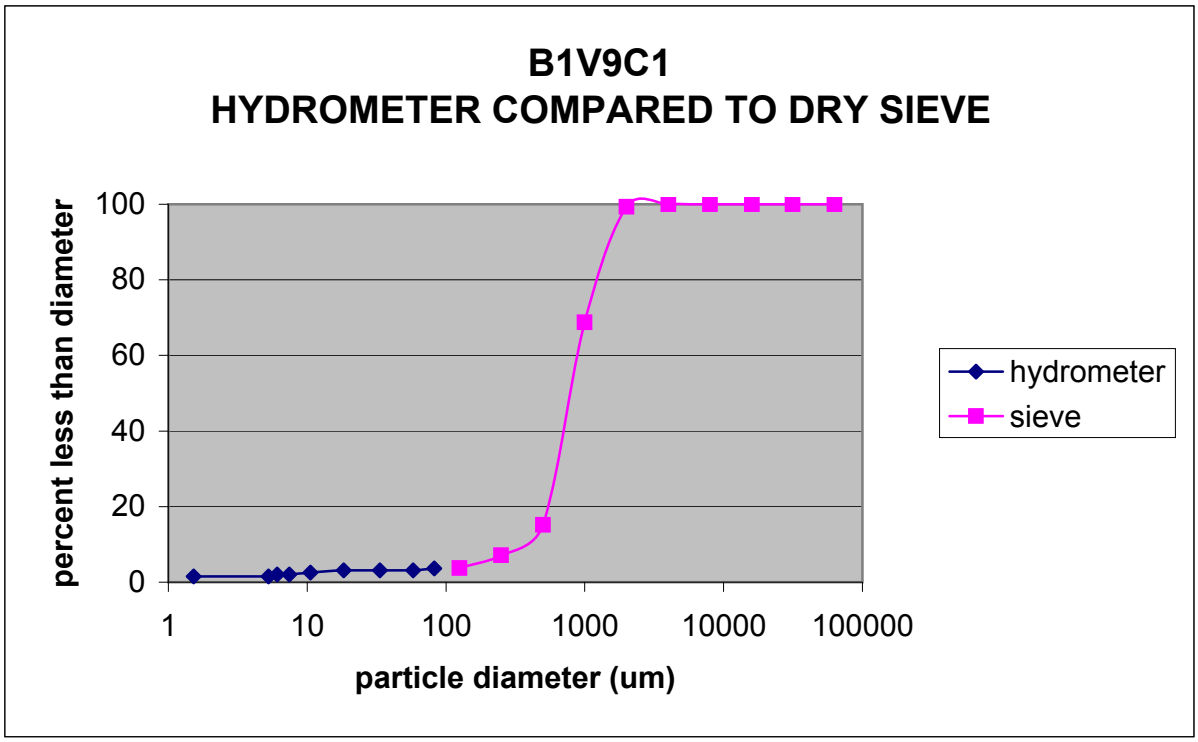
100000
particle diameter (um)
hydrometer
sieve


B1V9C1
HYDROMETER COMPARED TO DRY SIEVE
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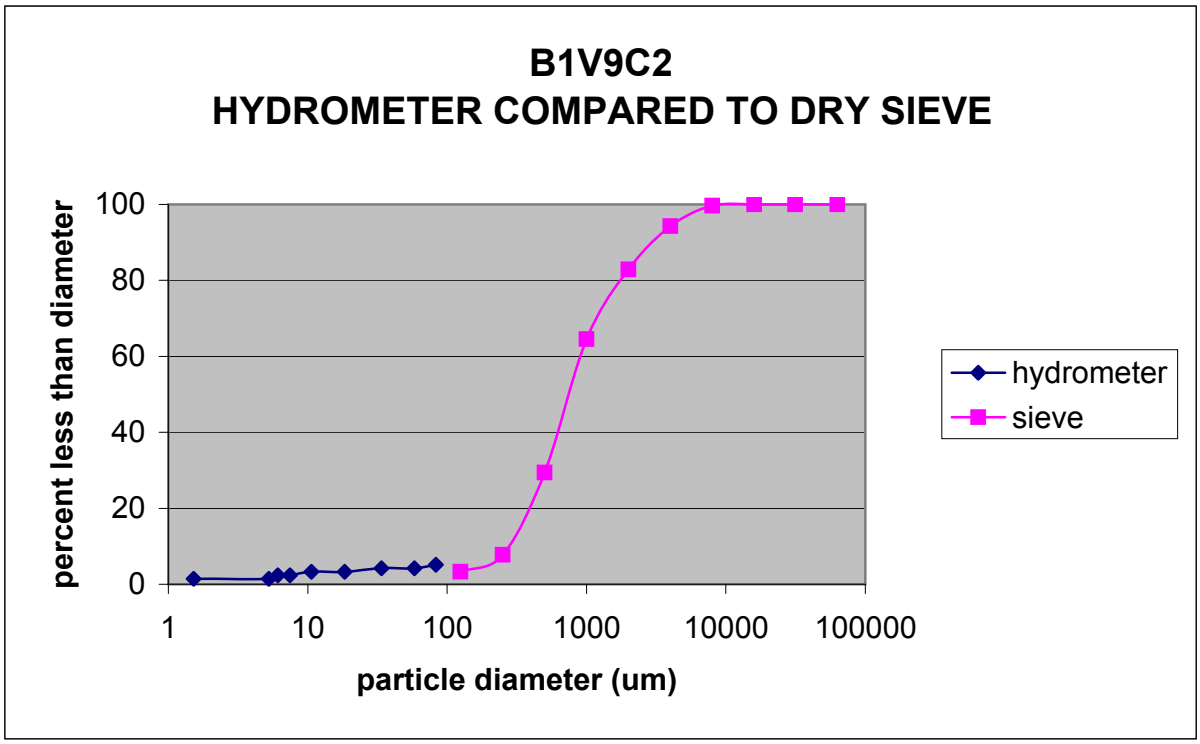
particle diameter (um)
hydrometer
sieve


B1V9C2
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
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60
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20
0
1
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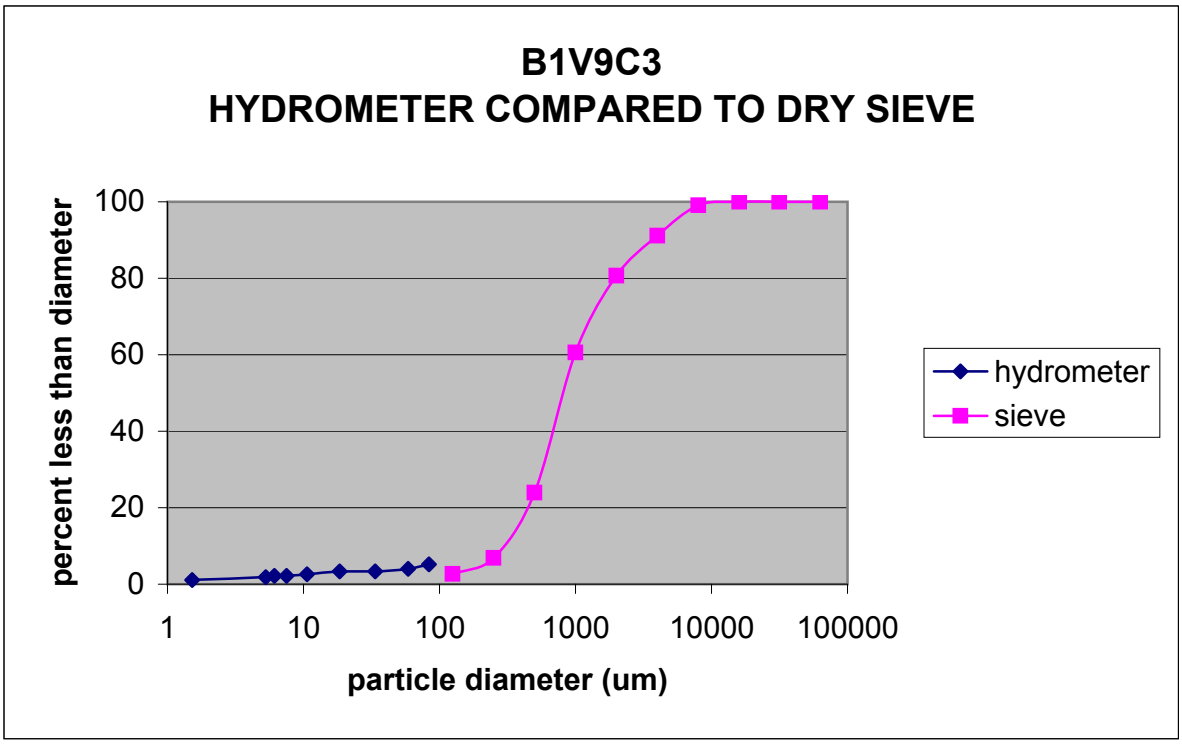
10000
100000
particle diameter (um)
hydrometer
sieve


B1V9C3
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
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60
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20
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1
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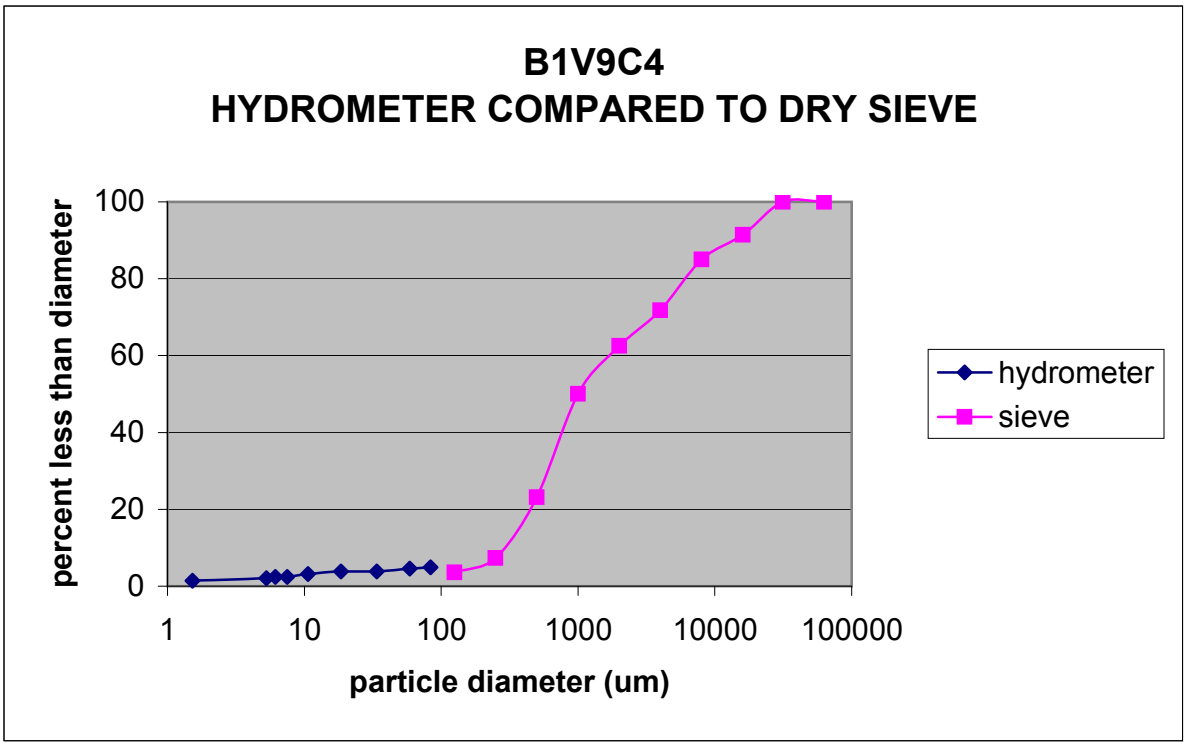
10000
100000
particle diameter (um)
hydrometer
sieve


B1V9C4
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
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60
40
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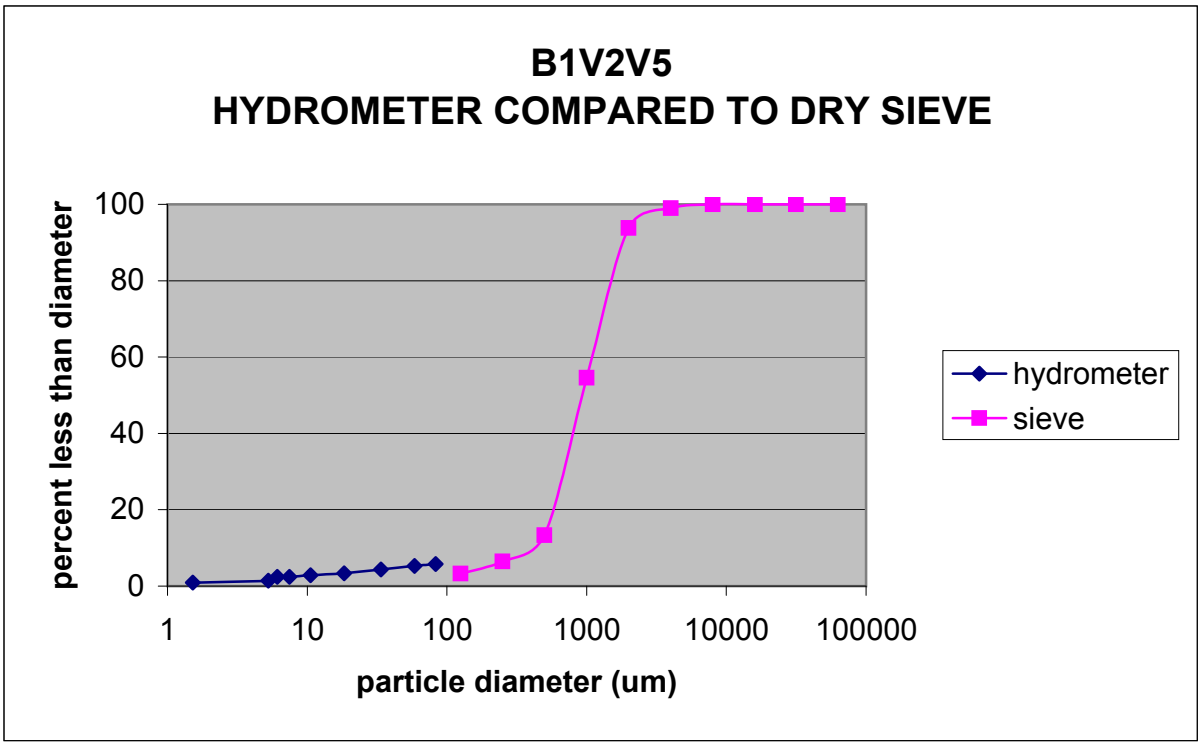
10000
100000
particle diameter (um)
hydrometer
sieve


B1V2V5
HYDROMETER COMPARED TO DRY SIEVE
percent less than diameter
100
80
60
40
20
0
1
10
100
1000
10000
100000
particle diameter (um)
hydrometer
sieve

Pacific Northwest National Laboratory	GEOLOGIC LOG	Boring/Well No C5989 / 299-E33-205	Depth 0-17.5ft	Date 7/23/08	Sheet 1 of 15
		Location BX-farm	Project 200-BP-5 (well)		

Logged by Michelle Valenta / Michelle Valenta (Print / Sign)
Reviewed by ______ Date ______
Lithologic Class. Scheme Folk - Wentworth
Procedure ______ Rev ______
Drilling Contractor ______
Driller ______
Drill Method cable tool rig + drive barrel

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
0	G	B1V991	D		Sandy gravel. 40% V.fine to v.coarse sand. 60% G. max part = 30mm. S- 40% mafic. G- 20-30% basalt. poorly sorted. V. fine to coarse pebbles. loose. G- largely broken pieces (esp. larger sizes). 2.5Y 6/2 (lt. brownish gray). weak rxn to HCl.	G- grab samples- 1L poly bottles poured when weigh ?.??
2.5	G	B1V992	M			
5	G	B1V993	SM		sG- sandy gravel. 30% G, 70% v.fine to v.coarse sand. max = 20mm. S- 40% mafic. G- 80% basalt, sub-round to round, v.fine to coarse pebbles. loose. poorly sorted. 2.5Y 4/2 (dk. grayish brown). weak to no rxn to HCl.	
7.5	G	B1V994	SM			
10	G	B1V995	M		sG - 40% G, 60% v.fine to v.coarse sand. max = 23mm. S- 20% mafic. G- 60-70% basalt, sub-round to round. loose. v.fine to coarse pebbles. G 2.5Y 4/2 (dk grayish brown). weak rxn to HCl.	
12.6	G	B1V996	M		same as above. max. = 24mm.	
15.5	G	B1V997	M		sG - Sandy gravel. 45% G, 50% S, 5% Z. max = 33mm. poorly sorted. G- 70% basalt, sub-round to round. S- 60% mafic. 2.5Y 4/3 (olive brown). loose.	
17.5	G	B1V998	SM		gS- gravelly sand. 15% G, 75% v.fine to coarse sand, 10% Z. max = 20mm. G- sub-round, 90% basalt. v.fine to coarse pebbles. loose. 2.5Y 4/3 (olive brown). mod. rxn to HCl. poorly sorted.	
					Same as above. max = 25mm.	
					sG- sandy gravel. 80% G, 20% S, max = 20mm. G - v fine to coarse pebbles, broken pieces - sub-round. S- 60% mafic. loose. 2.5Y 5/2 (grayish brown). loose. poorly sorted. weak to rxn to HCl.	

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

Pacific Northwest National Laboratory	**GEOLOGIC LOG**	Boring/Well No C5189 / 299-E33-205	Depth 20-37.5ft	Date 7/23/08	Sheet 2 of 15
		Location BX-farm	Project 200-BP-5 Cwell		

Logged by Michelle Valenta / Michelle Valenta (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
20	G	B1V999	SM		SG- sandy gravel. 10% G, 40% S. max= 24mm, S- 40% mafic G- 80% basalt, subang. to sub-round. loose. poorly sorted. 2.5Y 5/2 (grayish brown). Weak rxn to HCl.	
23.3	G	B1V9B0	M		G- gravel. 80% G, 20% S. max= 20mm. G- 70% basalt, sub-ang, lot of broken G, poorly sorted. loose. 2.5Y 4/2 (dk. grayish brown).	
25	G	B1V9B1	M			
27.5	G	B1V9B2	SM		SG- sandy gravel. 70% G, 30% S. max= 27mm. G- 80% basalt, sub-round to round. poorly sorted. trace Z. loose. weak rxn to HCl. 2.5Y 4/2 (dk gray brown).	
30.8	G	B1V9B3	SM		same as above. max= 33mm. trace Z. some mod. cementation - strong rxn to HCl. S- weak to HCl.	
32.7	G	B1V9B4	M			
35	G	B1V9B5	SM		SG- sandy gravel. 40% G. 60% fine to med. sand. max. = 15mm. G- V. fine to coarse pebbles, 80% basalt. S- 30% mafic. loose. poorly sorted 2.5Y 5/2 (grayish brown). weak to mod rxn to HCl.	
37.5	G	B1V9B6	SM		S- sand. 5% G, 90% S, 5% Z. max= 5mm. G- sub-round, max= 5mm, V fine to fine pebbles. mod. sorted. S- 10-20% mafic. 2.5Y 5/3 (lt. olive brown). weak rxn to HCl.	
					S 5% G, 95% coarse to V. coarse sand. max= 3mm. G- V. fine pebbles. 30-40% mafic, ang, salt + pepper look. well-sorted loose. 2.5Y 5/2 (grayish brown). weak to no rxn to HCl.	
					same as above. lighter color. 2.5Y 6/3 (lt. yellowish brown)	

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

Pacific Northwest National Laboratory	**GEOLOGIC LOG**	Boring/Well No C5989 / 299-E33-205	Depth 40-62.5 ft	Date 7/24/08	Sheet 3 of 15
		Location BX-farm	Project 200-BP-5 (well)		

Logged by Michelle Valenta / Michelle Valenta (Print / Sign / Print / Sign)
Reviewed by _____ Date _____
Lithologic Class. Scheme Folk-Wentworth (Print / Sign) Procedure _____ Rev _____

Drilling Contractor _____
Driller _____
Drill Method _____

DEPTH (ft)	SAMPLES TYPE	SAMPLES ID NUMBER	MOISTURE	GRAPHIC LOG C Z S G	LITHOLOGIC DESCRIPTION (sediment class, range in particle size, maximum particle size, mafic %, sorting, roundness, color, consolidation, reaction to 10% HCl, structure, fabric, and any other characteristics)	COMMENTS
40	G	B1V9B7	SM		S- sand. med to v. coarse sand. trace gravel. max = 3mm. well-sorted 20% mafic. ang. loose. 2.5Y 5/2 (grayish brown). no rxn to HCl.	
42.5	G	B1V9B8	SM		same as above higher % of v. coarse sand.	
46	G	B1V9B9	SM		S- med to v. coarse sand. well-sorted. trace gravel. max = 4mm. 20% mafic. loose. some small agg. w/ weak consolidation. 2.5Y 5/2 (grayish brown). no rxn to HCl.	
48.5	G	B1V9C0	SM		same as above.	
50	G	B1V9C1	SM		same as above	
53	G	B1V9C2	M		gS- gravelly sand. 15% G, 85% med. to v. coarse sand. trace Z. 20% mafic - S. G - 90% basalt, sub-round, max = 7mm, v. fine to fine pebbles. 2.5Y 5/3 (lt. olive brown). loose. weak rxn to HCl. mod-sorted.	
55	G	B1V9C3	SM		gS gravelly sand. 20% G, 80% med. to v. coarse sand. trace Z. max = 10mm. mod-sorted. G - 70% basalt, sub-ang to round, S - 20% mafic. loose. 2.5Y 5/3 (lt. olive brown). weak rxn to HCl.	
58.6	G	B1V9C4	SM		same as above. max = 13mm.	
60.5	G	B1V2V5	SM		S- sand. 5% G, 95% med. to v. coarse sand. max = 10mm. S - 30% mafic. mod sorted. loose 2.5Y 5/2 (grayish brown). weak rxn to HCl.	
62.5	G	B1V2V6	SM		(g)S - slightly gravelly sand. 10% G 90% coarse to v. coarse sand. max = 6mm. G - 80% basalt, v. fine to fine pebbles. S - 30% mafic. mod-sorted. 2.5Y 4/2 (dk. grayish brown). weak rxn to HCl	

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

C5989 B1VDW5 0-6 in Grab

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

C5989 B1VDW6 6-12 in Grab

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

C5989 B1VDW7 12-18 in Grab

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

C5989 B1VDW8 18-24 in Grab

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

C5989 B1VDW9 24-30 in Grab

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

C5989 B1VDX0 30-36 in Grab

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

C5989 Borehole ID

B1V991 Sample Number

0-0 ft Depth from Chain-of-Custody

Grab Sample

C5989 B1V992 2.5-2.5 ft Grab

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

C5989 B1V993 5.0-5.0 ft Grab

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

C5989 B1V994 7.5-7.5 ft Grab

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

C5989 B1V995 10.0-10.0 ft Grab

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

C5989 B1V996 12.6-12.6 ft Grab

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

C5989 B1V997 15.5-15.5 ft Grab

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

C5989 B1V998 17.5-17.5 ft Grab

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

C5989 B1V999 20.0-20.0 ft Grab

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

C5989 B1V9B0 23.3-23.3 ft Grab

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

C5989 B1V9B1 25.0-25.0 ft Grab

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

C5989 B1V9B2 27.5-27.5 ft Grab

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

C5989 B1V9B3 30.8-30.8 ft Grab

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

C5989 B1V9B4 32.7-32.7 ft Grab

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

C5989 B1V9B5 35.0-35.0 ft Grab

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

C5989 B1V9B6 37.5-37.5 ft Grab

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

C5989 B1V9B7 40.0-40.0 ft Grab

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

C5989 B1V9B8 42.5-42.5 ft Grab

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

C5989 B1V9B9 46.0-46.0 ft Grab

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

C5989 B1V9C0 48.5-48.5 ft Grab

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

C5989 B1V9C1 50.0-50.0 ft Grab

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

C5989 B1V9C2 53.0-53.0 ft Grab

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

C5989 B1V9C3 55.0-55.0 ft Grab

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

C5989 Borehole ID

B1V9C4 Sample Number

58.6-58.6 ft Depth from Chain-of-Custody

Grab Sample

C5989 B1V2V5 60.5-60.5 ft Grab

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

CH2M Hill Group

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

V08-005-001 PAGE 1 OF 1

COLLECTOR	**COMPANY CONTACT**	**TELEPHONE NO.**	**PROJECT COORDINATOR**	**PRICE CODE** 8N	**DATA TURNAROUND**
PFISTER, YOUNG	SYDNOR, HA	373-3967	TRENT, SJ		
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY**	45 Days / 45 Days
200-BP-5 OU/C5989	"BX" Tank Farm Soil Sampling - Boreholes C5989		V08-005		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-5856	0-6"		GOVERNMENT VEHICLE	
SHIPPED TO	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		
PNNL Building 325					

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	P/G
NO. OF CONTAINER(S)	1
VOLUME	1000mL
SAMPLE ANALYSIS	Particle Density - D854 {Particle density}

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1VDW5	SOIL	4/30/08	0930	✓						

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K.J. YOUNG	4-30-08 10:00	Site Ref	4-30-08 10:00
Site Ref	5-06-08 14:00	Ed Kaya	5-06-08 14:00
Ed Kaya	5-6-08 7:30	D Smith	5/6/08 1430

SPECIAL INSTRUCTIONS

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

A-6003-618(01/06)

CH2M Hill Group

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

V08-005-002

COLLECTOR Fluor Hanford K. J. YOUNG	**COMPANY CONTACT** SYDNOR, HA	**TELEPHONE NO.** 373-3967	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION 200-BP-5 OU/C5989	**PROJECT DESIGNATION** "BX" Tank Farm Soil Sampling - Boreholes C5989		**SAF NO.** V08-005	**AIR QUALITY**	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-6	**ACTUAL SAMPLE DEPTH** 6-12"	**COA**	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO PNNL Building 325	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**		

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	P/G
NO. OF CONTAINER(S)	1
VOLUME	1000mL
SAMPLE ANALYSIS	Particle Density - D854 {Particle density}

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	Particle Density
B1VDW6	SOIL	5-1-08	1100	✓

LOT# 028688

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM Fluor Hanford K. J. YOUNG	DATE/TIME MAY 01 2008 1130	RECEIVED BY/STORED IN S Ide Ref 5-1-08	DATE/TIME 1130
RELINQUISHED BY/REMOVED FROM S Ide Ref 5-6-08	DATE/TIME 14:00	RECEIVED BY/STORED IN Ed Krasel/[illegible] 5-6-08	DATE/TIME 14:00
RELINQUISHED BY/REMOVED FROM Ed Krasel/[illegible] 5-6-08	DATE/TIME 14:00	RECEIVED BY/STORED IN D Smith [illegible] 5-[illegible]	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
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

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

CH2M Hill Group

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST V08-005-003 PAGE 1 OF 1

COLLECTOR for Hanford K. J. YOUNG	**COMPANY CONTACT** SYDNOR, HA	**TELEPHONE NO.** 373-3967	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days				
SAMPLING LOCATION 200-BP-5 OU/C5989	**PROJECT DESIGNATION** "BX" Tank Farm Soil Sampling - Boreholes C5989		**SAF NO.** V08-005	**AIR QUALITY**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HAF-N-595-L	**ACTUAL SAMPLE DEPTH** 12"-18"	**COA**	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO PNNL Building 325	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**	

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	P/G
NO. OF CONTAINER(S)	1
VOLUME	1000mL
SAMPLE ANALYSIS	Particle Density - D854 {Particle density}

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1VDW7	SOIL	5-5-08	0911

0258B8

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. J. YOUNG	5-5-08 1000	Site Ref	5-5-08 10:00
Site Ref	5-6-08 14:00	Ed Kaun	5-6-08 14:00
Ed Kaun	5-6-08 1430	D Smith	5-6-08 1430

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

A-6003-618(01/06)

CH2M Hill Group

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST V08-005-004 PAGE 1 OF 1

COLLECTOR Kevin Patterson Fluor Hanford	**COMPANY CONTACT** SYDNOR, HA	**TELEPHONE NO.** 373-3967	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days				
SAMPLING LOCATION 200-BP-5 OU/C5989	**PROJECT DESIGNATION** "BX" Tank Farm Soil Sampling - Boreholes C5989		**SAF NO.** V08-005	**AIR QUALITY**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-PN-585-6	**ACTUAL SAMPLE DEPTH** 30-36 18-24"	**COA**	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO PNNL Building 325	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**	

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	P/G
NO. OF CONTAINER(S)	1
VOLUME	1000mL
SAMPLE ANALYSIS	Particle Density - D854 {Particle density}

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1VDW8	SOIL	5-5-08	0915	V

0286.8P

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	5-5-08 10:00	Site Ref	5-5-08 10:00
Site Ref	5-6-08 14:00	Ed Kraus/	5-6-08 14:00
Ed Kraus/	5-6-08 1430	D Smith	5-6-08 1430

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

CH2M Hill Group

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

V08-005-005 PAGE 1 OF 1

COLLECTOR Kevin Patterson Fluor Hanford	**COMPANY CONTACT** SYDNOR, HA	**TELEPHONE NO.** 373-3967	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days				
SAMPLING LOCATION 200-BP-5 OU/C5989	**PROJECT DESIGNATION** "BX" Tank Farm Soil Sampling - Boreholes C5989		**SAF NO.** V08-005	**AIR QUALITY**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-6	**ACTUAL SAMPLE DEPTH** 5-5-08, 42-48, 24-30"	**COA**	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO PNNL Building 325	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**	

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	P/G
NO. OF CONTAINER(S)	1
VOLUME	1000mL
SAMPLE ANALYSIS	Particle Density - D854 {Particle density}

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1VDW9	SOIL	5-5-08	0915 ✓

028688

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	5-5-08 10:00	Site Ref	5-5-08 10:00
Site Ref	5-6-08 14:00	E Kinney	5-6-08 14:00
E Kinney	5-6-08 1430	DSmith	5608 1430

SPECIAL INSTRUCTIONS

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

A-6003-618(01/06)

CH2M Hill Group

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

V08-005-006

PAGE 1 OF 1

COLLECTOR Kevin Patterson, Fluor Hanford	**COMPANY CONTACT** SYDNOR, HA	**TELEPHONE NO.** 373-3967	**PROJECT COORDINATOR** TRENT, SJ	**PRICE CODE** 8N
DATA TURNAROUND 45 Days / 45 Days				
SAMPLING LOCATION 200-BP-5 OU/C5989	**PROJECT DESIGNATION** "BX" Tank Farm Soil Sampling - Boreholes C5989		**SAF NO.** V08-005	**AIR QUALITY**
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-L	**ACTUAL SAMPLE DEPTH** 54-60', 30'-36'	**COA**	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO PNNL Building 325	**OFFSITE PROPERTY NO.**		**BILL OF LADING/AIR BILL NO.**	

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

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

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	P/G
NO. OF CONTAINER(S)	1
VOLUME	1000mL
SAMPLE ANALYSIS	Particle Density - D854 {Particle density}

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B1VDX0	SOIL	5-5-08	0905

C28655

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford	5-5-08 10:00	Site Ref	5-5-08 10:00
Site Ref	5-6-08 14:00	Ed Kaun	5-6-08 14:00
Ed Kaun	5-6-08 1430	D Smith	5-6-08 1430

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** | F08-102-167 |

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5989, I-CHG-001	200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet	F08-102

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585 6	0 - 6 4/30/08	123513ES10	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: B1V980

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1V991	SOIL	4/30/08	0930	✓	✓
	LOT#			038688	

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R. Pfister [signature]	4/30/08 1005	BX Farm GM-RMA-058 Fridge	4/30/08 1005
BX Farm GM-RMA-058 REF	5/9/08 1100	KJ Young [signature]	5/9/08 1100
KJ Young [signature]	5/9/08 1400	C. Irwin [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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-102-167	PAGE 2 OF 2
COLLECTOR NCO SAMPLER YOUNG, PRIESTER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-001	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.** NNF-N-5856	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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			F08-102-168	PAGE 1 OF 2
COLLECTOR NCO SAMPLER Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-002	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 6	**ACTUAL SAMPLE DEPTH** 2.5'	**COA** 123513ES10	**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: B1V980

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1V992	SOIL	3-5-08	0915	✓	✓								

67486 93

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	5/9/08 1400	C. Tumi	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			F08-102-168	PAGE 2 OF 2
COLLECTOR NCO SAMPLER Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-002	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585 6	**ACTUAL SAMPLE DEPTH** 2.5'	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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** | **F08-102-169** | **PAGE 1 OF 2**

COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N / **DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-003	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-6	**ACTUAL SAMPLE DEPTH** 5.0'	**COA** 123513ES10	**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: B1V981

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1V993	SOIL	5-5-08	0140	✓	✓									
	LOT #			028685	N/A									

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	5/8/08 1400	[signature]	5/8/08 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			F08-102-169	PAGE 2 OF 2
COLLECTOR NCO SAMPLER [illegible] Patterson [illegible] Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-003	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-6	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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			F08-102-170	PAGE 1 OF 2
COLLECTOR Kevin Patterson, Fluor Hanford; NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-004	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-6.	**ACTUAL SAMPLE DEPTH** 7.5"	**COA** 123513ES10	**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: B1V982

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1V994	SOIL	5-5-08	1000	✓	✓
	LOT #			028688	N/A

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	5/9/08 1400	C Trent	5/9/08 1700

SPECIAL 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			F08-102-170	PAGE 2 OF 2
COLLECTOR NCO SAMPLER Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-004	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-6	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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	F08-102-171	PAGE 1 OF 2

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5989, I-CHG-005	200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet	F08-102

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585-6	10'	123513ES10	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: B1V983

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1V995	SOIL	5-5-08	1025	✓	✓
	LOT#			026057	

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	5/9/08 1400	C Tom	5/9/08 1400
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

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			F08-102-171	PAGE 2 OF 2
COLLECTOR NCO SAMPLER Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-005	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-6	**ACTUAL SAMPLE DEPTH** 10'	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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 | F08-102-172

COLLECTOR NCO SAMPLER Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-006	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-6	**ACTUAL SAMPLE DEPTH** 12.6"	**COA** 123513ES10	**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: B1V984

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1V996	SOIL	5-5-08	1045	✓	✓

LOT # 026057

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford [signature]	5/9/08 1400	[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**

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-102-172	PAGE 2 OF 2
COLLECTOR NCO SAMPLER Kevin P Watson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-006	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-6	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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			F08-102-173	PAGE 1 OF 2
COLLECTOR NCO SAMPLER Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-007	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** Kevin Patterson Fluor Hanford HNF-N 585-2	**ACTUAL SAMPLE DEPTH** 15.5'	**COA** 123513ES10	**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: B1V985

PRESERVATION	None	None											
TYPE OF CONTAINER	G/P	Moisture Resistant Cont											
NO. OF CONTAINER(S)	1	1											
VOLUME	1L	200g											
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;											
SAMPLE NO.	**MATRIX***	**SAMPLE DATE**	**SAMPLE TIME**										
B1V997	SOIL	5-5-08	1100	✓	✓								
				28688									

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson Fluor Hanford	5/6/08 1400		5/9/08 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			F08-102-173	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-007	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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	F08-102-174	PAGE 1 OF 2

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO SAMPLER Kevin Patterson Fluor Hanford	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
C5989, I-CHG-008	200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF N-585-6	17.5 "	123513ES10	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: B1V986

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1V998	SOIL	5-5-08	1320	J	✓								
				28688	NK								

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson	5/9/08 1430	S. Trent	5/9/08 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			F08-102-174	PAGE 2 OF 2
COLLECTOR NCO SAMPLER Kevin Patterson Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-008	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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** | **F08-102-175** | **PAGE 1 OF 2**

COLLECTOR NCO SAMPLER — Kevin Patterson, Fluor Hanford	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5989, I-CHG-009	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF N 585 - 4	**ACTUAL SAMPLE DEPTH** 20'	**COA** 123513ES10
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 ☐

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive Tie To: B1V987

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1V999	SOIL	5-6-08	0830	✓	✓
				28688	N/A

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Kevin Patterson, Fluor Hanford	5-13-08 1600	D. Parchen DocuSigned	5-13-08 1600
D. Parchen DocuSigned	5-13-08 1320	C. Bumi	5/13/08 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			F08-102-175	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-009	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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** | **F08-102-176** | **PAGE 1 OF 2**

COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL
SAMPLING LOCATION C5989, I-CHG-010	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 585-6 pg 31	**ACTUAL SAMPLE DEPTH** 23' 3"	**COA** 123513ES10
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: B1V987

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1V9B0	SOIL	5-6-08	1000	✓	✓								
				828688	N/A								

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Carol	5-13-08 1330	D. Parker	5-13-08 1330
D. Parker	5-13-08 1330	C. Jovin	5/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-102-176	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5989, I-CHG-010	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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** | **F08-102-177** | **PAGE 1 OF 2**

COLLECTOR Kevin Peterson, Fluor Hanford; NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N; **DATA TURNAROUND** 45 Days / 45 Days; **AIR QUALITY** ☐
SAMPLING LOCATION C5989, I-CHG-011	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 585-6	**ACTUAL SAMPLE DEPTH** 25'	**COA** 123513ES10	**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: B1V987

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1V9B1	SOIL	5-6-08	1004	✓	✓

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
K. Peterson, Fluor Hanford	5-13-08 1000	D. Parker	5-13-08 1000
D Parker	5-13-08 1330	C. Bunn	5/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-102-177	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-011	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
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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			F08-102-178	PAGE 1 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-012	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-6	**ACTUAL SAMPLE DEPTH** 27.5'	**COA** 123513ES10	**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: B1V987

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1V9B2	SOIL	5-6-08	1315	✓	✓									
				28688	N/A									

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	5-13-08 1320	D. Parker Darby	5-13-08 1330
D Parker Darby	5-13-08 1330	C Tom Satty	5/13/08 1330

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			F08-102-178	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-012	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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		F08-102-179	PAGE 1 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-013	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-6	**ACTUAL SAMPLE DEPTH** 30.8	**COA** 123513ES10	**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: B1V988

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1V9B3	SOIL	5-7-08	1327	✓	✓								
				28688	N/A								

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
	5-13-08 1200	D. Parker	5-13-08 1200
D Parker	5-13-08 1330	C. Tom	5/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-102-179	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5989, I-CHG-013	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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			F08-102-180	PAGE 1 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-014	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 585 6	**ACTUAL SAMPLE DEPTH** 32.7	**COA** 123513ES10	**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: B1V988

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1V9B4	SOIL	5-7-08	1435	✓	✓
				28688	N/A

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	5-13-08 1000	D. Parch [signature]	5-13-08
D. Parch [signature]	5-13-08 1330	C. Iovin [signature]	5/13/08 1330

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-102-180	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-014	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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		F08-102-181	PAGE 1 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-015	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF N-585-6	**ACTUAL SAMPLE DEPTH** 35'	**COA** 123513ES10	**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: B1V988

PRESERVATION	None	None												
TYPE OF CONTAINER	G/P	Moisture Resistant Cont												
NO. OF CONTAINER(S)	1	1												
VOLUME	1L	200g												
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;												
SAMPLE NO.	**MATRIX***	**SAMPLE DATE**	**SAMPLE TIME**											
B1V9B5	SOIL	5/8/08	0914	✓	✓									
				28688	N/A									

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	5-13-08 1000	D. Parch D&E	5-13-08 1000
D. Parch D&E	5-13-08 1330	@ Iron [signature]	5/13/08 1330
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

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			F08-102-181	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-015	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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			F08-102-182	PAGE 1 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-016	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 585-6	**ACTUAL SAMPLE DEPTH** 37.5'	**COA** 123513ES10	**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: B1V988

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME			
B1V9B6	SOIL	5/8/08	0945	✓	✓	
				28688	N/A	

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	SIGN/ PRINT NAMES RECEIVED BY/STORED IN	DATE/TIME
[signature]	5-13 0900	D. Parch	5-13-08 0900
D. Parch	5-13-08 1330	C. Tom	5/13/08 1333

SPECIAL 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			F08-102-182	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5989, I-CHG-016	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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			F08-102-183	PAGE 1 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5989, I-CHG-017	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	45 Days / 45 Days
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-4	**ACTUAL SAMPLE DEPTH** 40'	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

MATRIX*				
A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegitation W=Water WI=Wipe X=Other	**POSSIBLE SAMPLE HAZARDS/ REMARKS** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	**PRESERVATION**	None	None
		TYPE OF CONTAINER	G/P	Moisture Resistant Cont
		NO. OF CONTAINER(S)	1	1
		VOLUME	1L	200g
	SPECIAL HANDLING AND/OR STORAGE Radioactive Tie To: B1V989	**SAMPLE ANALYSIS**	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1V9B7	SOIL	5/8/08	1004	✓	✓
				28688	N/A

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM [signature]	DATE/TIME 5/14/08 0930	RECEIVED BY/STORED IN [signature] C Irvin	DATE/TIME 5/14/08 0930
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F08-102-183	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-017	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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** | F08-102-184 |

COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐ **DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-018	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-6	**ACTUAL SAMPLE DEPTH** 42.5'	**COA** 123513ES10	**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: B1V989

		PRESERVATION		None	None
		TYPE OF CONTAINER		G/P	Moisture Resistant Cont
		NO. OF CONTAINER(S)		1	1
		VOLUME		1L	200g
		SAMPLE ANALYSIS		SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;
SAMPLE NO.	**MATRIX***	**SAMPLE DATE**	**SAMPLE TIME**		
B1V9B8	SOIL	5/8/08	1050	✓	✓
				28688	N/A

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	5/14/08 0930	C. [signature]	5/14/08 9:30

SPECIAL 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			F08-102-184	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-018	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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** | **F08-102-185** |

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE 8N	DATA TURNAROUND
NCO SAMPLER	TRENT, SJ	373-5869	WIDRIG, DL	AIR QUALITY ☐	45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**		
C5989, I-CHG-019	200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-6	46'	123513ES10	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: B1V989

PRESERVATION			None	None	
TYPE OF CONTAINER			G/P	Moisture Resistant Cont	
NO. OF CONTAINER(S)			1	1	
VOLUME			1L	200g	
SAMPLE ANALYSIS			SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;	
SAMPLE NO.	**MATRIX***	**SAMPLE DATE**	**SAMPLE TIME**		
B1V9B9	SOIL	5/8/08	1300	✓	✓
				28688	N/A

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	5/14/08 0930	C. Iou [signature]	5/14/08 0930

SPECIAL 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			F08-102-185	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-019	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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			F08-102-186	PAGE 1 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-020	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-585-6	**ACTUAL SAMPLE DEPTH** 248.5'	**COA** 123513ES10	**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: B1V989

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1V9C0	SOIL	5/8/08	1340	✓	✓									
				28688	NA									

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Fluor Hanford	5/14/08 0930	C. Im	5/14/08 0930

SPECIAL 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			F08-102-186	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-020	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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			F08-102-187	PAGE 1 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-021	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 585-6	**ACTUAL SAMPLE DEPTH** 50'	**COA** 123513ES10	**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: B1V990

PRESERVATION	None	None													
TYPE OF CONTAINER	G/P	Moisture Resistant Cont													
NO. OF CONTAINER(S)	1	1													
VOLUME	1L	200g													
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Moisture Content - D2216;													
SAMPLE NO.	**MATRIX***	**SAMPLE DATE**	**SAMPLE TIME**												
B1V9C1	SOIL	5/8/08	1420	✓	✓										
				28688	N/A										

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	5/14/08 0930	[signature]	5/14/08 0930

SPECIAL 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			F08-102-187	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-021	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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 — F08-102-188

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5989, I-CHG-022	200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet	F08-102

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N 585-6	53'	123513ES10	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: B1V990

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1V9C2	SOIL	5/8/08	1440	✓	✓
				28688	N/A

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	5/14/08 0930	C. [signature]	5/14/08 0930

SPECIAL 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			F08-102-188	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-022	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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	F08-102-189	PAGE 1 OF 2

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5989, I-CHG-023	200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet	F08-102

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-585-6	55'	123513ES10	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: B1V990

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1V9C3	SOIL	5/12/08	0920	✓	✓
				28688	N/T

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	5/14/08 0930	[signature]	5/14/08 0930

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			F08-102-189	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N **AIR QUALITY** ☐	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-023	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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			F08-102-190	PAGE 1 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND** 45 Days / 45 Days
SAMPLING LOCATION C5989, I-CHG-024	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N 585-6	**ACTUAL SAMPLE DEPTH** 58.6	**COA** 123513ES10	**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: B1V990

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME																
B1V9C4	SOIL	5/12/08	1005	✓	✓														
				28688	NA														

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

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
[signature]	5/14/08 0930	C. Jenn [signature]	5/14/08 0938

SPECIAL 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			F08-102-190	PAGE 2 OF 2
COLLECTOR NCO SAMPLER	**COMPANY CONTACT** TRENT, SJ	**TELEPHONE NO.** 373-5869	**PROJECT COORDINATOR** WIDRIG, DL	**PRICE CODE** 8N	**DATA TURNAROUND**
SAMPLING LOCATION C5989, I-CHG-024	**PROJECT DESIGNATION** 200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		**SAF NO.** F08-102	**AIR QUALITY** ☐	**45 Days / 45 Days**
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA** 123513ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE	
SHIPPED TO Environmental Sciences Laboratory	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A		

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
** Generic Testing and Special Studies refer to ESL methods for determination of unsaturated hydraulic conductivity, moisture retention determinations (using both methods D6836-01 and D6836-02), and distribution coefficient for uranium and technetium.
** ESL is to submit copies of all Chain of Custodies and associated sample login documentation to EIS-SDM within 24 hours of sample receipt. They may be sent via e-mail to ^CPP Sample Management.
(1)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, SJ	373-5869	WIDRIG, DL		45 Days / 45 Days
SAMPLING LOCATION	**PROJECT DESIGNATION**		**SAF NO.**	**AIR QUALITY** ☐	
C5989, I-001	200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet		F08-102		
ICE CHEST NO.	**FIELD LOGBOOK NO.**	**ACTUAL SAMPLE DEPTH**	**COA**	**METHOD OF SHIPMENT**	
	HNF-N-585-6	60.5	123513ES10	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: B1V346

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

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B1V2V5	SOIL	5/12/08	1310	✓	✓

5/16/08 28689 N/A

CHAIN OF POSSESSION	DATE/TIME	SIGN/ PRINT NAMES	DATE/TIME
RELINQUISHED BY/REMOVED FROM [signature]	5/16/08 0830	RECEIVED BY/STORED IN K.J. Young [signature]	5/16/08 0830
RELINQUISHED BY/REMOVED FROM K.J. Young [signature]	5.16.08 11:00	RECEIVED BY/STORED IN D Smith [signature]	5.16.08 11:00
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.
C5989, I-001	200-BP-5 OU Characterization for "C" Well - Geochemical Modeling Paramet	F08-102

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123513ES10	GOVERNMENT VEHICLE

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

SPECIAL INSTRUCTIONS

** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.
** The laboratory is to achieve a detection limit of 1 pCi/g for Tc-99.
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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;