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Analytical Data Report of Grab Samples Collected From BP-5 Operable Unit A Well (C5858)

Michael Lindberg

September 2008



Pacific Northwest
NATIONAL LABORATORY

09/23/08 11:27

To: Dana Widrig

From: Michael J. Lindberg

A handwritten signature in black ink, appearing to read 'MJL', with a stylized flourish at the end.

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

Subject: Analytical Data Report of Grab Samples Collected From BP-5 Operable Unit A Well (5858), Sample Delivery Group ESL080002, SAF Number F08-036

This letter contains the following information for sample delivery group ESL080002

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

Introduction

Between January 22, 2008 and February 26, 2008 soil cores and grab samples were received from BP-5 Operable Unit A Well (5858) for geochemical studies.

Analytical Results/Methodology

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

Quality Control

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

Definitions

Dup	Duplicate
RPD	Relative Percent Difference

Sample Receipt

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

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

Holding Times

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

Analytical Results

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

Case Narrative Report

Hold time:

No discrepancies noted.

Preparation Blank (PB):

QC Sample 8D28004-BLK1 failed criteria for Barium in ICP-OES Vadose-WE.

MDL = 0.00879 ug/g

MRL = 0.00879 ug/g

Result = 0.0368 ug/g

Criterion = 1 x MRL

Sample concentration was less than 5 times the blank concentration. Barium was not reported for these samples.

QC Sample 8D28004-BLK1 failed criteria for Zinc in ICP-OES Vadose-WE.

MDL = 0.0927 ug/g

MRL = 0.0927 ug/g

Result = 0.196 ug/g

Criterion = 1 x MRL

The concentration of the samples were less than detectable. The blank contamination is not representative of the analytical data. There should be no impact to data as reported.

Duplicate (DUP):

Duplicate RPD for Uranium 238 (40.8%) was above the acceptance limit (35) in 8D15001-DUP2 for ICPMS-Tc_U-WE

Potential analytical preparation error of the duplicate. Duplicate was in control for all other elements. There should be not impact to data as reported.

Laboratory control samples (LCS):

The Blank spike failed criteria for silver. It was determined that silver is not stable in the nitric acid digestion as performed. Silver is not reported for acid extracted samples.

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

Post-Spike Recovery for Calcium (464%) was outside acceptance limits (75-125) in 8D28004-PS1 for ICP-OES Vadose-WE

The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Magnesium (249%) was outside acceptance limits (75-125) in 8D28004-PS1 for ICP-OES Vadose-WE

The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Sodium (298%) was outside acceptance limits (75-125) in 8D28004-PS1 for ICP-OES Vadose-WE

The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Aluminum (227%) was outside acceptance limits (75-125) in 8E12002-PS1 for ICP-OES Vadose-AE

The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Calcium (212%) was outside acceptance limits (75-125) in 8E12002-PS1 for ICP-OES Vadose-AE

The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Post-Spike Recovery for Iron (316%) was outside acceptance limits (75-125) in 8E12002-PS1 for ICP-OES Vadose-AE

The native sample concentration was greater than 5 times the spike concentration. There should be not impact to data as reported.

Case Narrative Report

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

Post-Spike Recovery for Magnesium (192%) was outside acceptance limits (75-125) in 8E12002-PS1 for ICP-OES Vadose-AE. The native sample concentration was greater than 5 times the spike concentration. There should be no impact to data as reported.

Matrix spike (MS) and matrix spike duplicate (MSD):

No discrepancies noted.

Other QC Criteria:

No discrepancies noted.

DISCLAIMER

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SAMPLES INCLUDED IN THIS REPORT

200 BP 5 OU, C5858 A-Well VZ

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1T170	0802013-12	SOIL	1/23/08 15:02	1/24/08 13:10
B1T172	0802013-14	SOIL	1/23/08 15:26	1/24/08 13:10
B1T152	0802014-10	SOIL	1/22/08 12:56	1/23/08 13:50
B1T154	0802014-12	SOIL	1/22/08 13:57	1/23/08 13:50
B1T156	0802014-14	SOIL	1/22/08 14:26	1/23/08 13:50
B1T158	0802014-16	SOIL	1/22/08 14:56	1/23/08 13:50
B1T142	0802015-15	SOIL	1/21/08 15:25	1/22/08 13:30
B1T198	0802016-26	SOIL	1/25/08 14:34	1/29/08 14:00
B1T1C4	0802018-03	SOIL	1/30/08 09:05	1/31/08 14:00
B1T1H0	0802022-01	SOIL	2/11/08 08:35	2/14/08 14:00
B1T1H2	0802022-04	SOIL	2/11/08 10:20	2/14/08 14:00
B1T1H4	0802022-07	SOIL	2/11/08 11:05	2/14/08 14:00
B1T1H6	0802022-11	SOIL	2/11/08 15:14	2/14/08 14:00
B1T1D8	0802024-15	SOIL	2/6/08 15:10	2/11/08 09:30
B1T1F0	0802024-18	SOIL	2/7/08 09:25	2/11/08 09:30
B1T1F6	0802024-27	SOIL	2/8/08 11:15	2/11/08 09:30
B1T1M0	0802024-56	SOIL	2/22/08 10:50	2/26/08 13:50

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

Metals 1:1 DI Water Extract by ICPMS

Metals Acid Extract by ICPMS

Alkalinity, Titrimetric (pH 4.5)

Anions By Ion Chromatography

GEA No Preparation

Geological Description

Metals 1:1 Water Extract by ICPOES

Metals Acid Extract by ICPOES

Moisture Content

pH of Waters By Electrode

Specific Conductance

Tc_U Acid Extract by ICPMS

Tc_U 1:1 DI Water Extract by ICPMS

Tc_U UFA by ICPMS

Total Alpha Total Beta Acid Extract By LSC

SAMPLES ANALYZED IN THIS REPORT

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B1T170	0802013-12	SOIL	1/23/08 15:02	1/24/08 13:10
B1T172	0802013-14	SOIL	1/23/08 15:26	1/24/08 13:10
B1T152	0802014-10	SOIL	1/22/08 12:56	1/23/08 13:50
B1T154	0802014-12	SOIL	1/22/08 13:57	1/23/08 13:50
B1T156	0802014-14	SOIL	1/22/08 14:26	1/23/08 13:50
B1T158	0802014-16	SOIL	1/22/08 14:56	1/23/08 13:50
B1T142	0802015-15	SOIL	1/21/08 15:25	1/22/08 13:30
B1T198	0802016-26	SOIL	1/25/08 14:34	1/29/08 14:00
B1T1C4	0802018-03	SOIL	1/30/08 09:05	1/31/08 14:00
B1T1H0	0802022-01	SOIL	2/11/08 08:35	2/14/08 14:00
B1T1H2	0802022-04	SOIL	2/11/08 10:20	2/14/08 14:00
B1T1H4	0802022-07	SOIL	2/11/08 11:05	2/14/08 14:00
B1T1H6	0802022-11	SOIL	2/11/08 15:14	2/14/08 14:00
B1T1D8	0802024-15	SOIL	2/6/08 15:10	2/11/08 09:30
B1T1F0	0802024-18	SOIL	2/7/08 09:25	2/11/08 09:30
B1T1F6	0802024-27	SOIL	2/8/08 11:15	2/11/08 09:30
B1T1M0	0802024-56	SOIL	2/22/08 10:50	2/26/08 13:50

Wet Chemistry					
Alkalinity as CaCO3 (ug/g dry) by Standard Methods 2320B					
Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802013-12	B1T170	6.08E1	2.35E1	3/31/08	8C31001
0802013-14	B1T172	4.73E1	2.32E1	3/31/08	8C31001
0802014-10	B1T152	4.44E1	2.33E1	3/31/08	8C31001
0802015-15	B1T142	4.28E1	2.36E1	3/31/08	8C31001
0802016-26	B1T198	3.87E1	2.35E1	3/31/08	8C31001
0802018-03	B1T1C4	5.11E1	2.36E1	3/31/08	8C31001
0802022-01	B1T1H0	7.44E1	2.35E1	3/31/08	8C31001
0802022-04	B1T1H2	1.11E2	2.33E1	3/31/08	8C31001
0802022-07	B1T1H4	2.21E2	2.35E1	3/31/08	8C31001
0802022-11	B1T1H6	1.32E2	2.35E1	3/31/08	8C31001
0802024-15	B1T1D8	3.81E1	2.36E1	3/31/08	8C31001
0802024-18	B1T1F0	7.16E1	2.36E1	3/31/08	8C31001
0802024-27	B1T1F6	6.56E1	2.36E1	3/31/08	8C31001
0802024-56	B1T1M0	5.24E1	2.38E1	3/31/08	8C31001

Wet Chemistry

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

Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802013-12	B1T170	3.15E-1	1.00E-2	3/28/08	8C28004
0802013-14	B1T172	1.56E-1	1.00E-2	3/28/08	8C28004
0802014-10	B1T152	2.24E-1	1.00E-2	3/28/08	8C28004
0802015-15	B1T142	1.37E-1	1.00E-2	3/28/08	8C28004
0802016-26	B1T198	1.39E-1	1.00E-2	3/28/08	8C28004
0802018-03	B1T1C4	1.73E-1	1.00E-2	3/28/08	8C28004
0802022-01	B1T1H0	1.10E0	1.00E-2	3/28/08	8C28004
0802022-04	B1T1H2	1.47E0	1.00E-2	3/28/08	8C28004
0802022-07	B1T1H4	1.71E0	1.00E-2	3/28/08	8C28004
0802022-11	B1T1H6	1.65E0	1.00E-2	3/28/08	8C28004
0802024-15	B1T1D8	1.56E-1	1.00E-2	3/28/08	8C28004
0802024-18	B1T1F0	4.60E-1	1.00E-2	3/28/08	8C28004
0802024-27	B1T1F6	4.57E-1	1.00E-2	3/28/08	8C28004
0802024-56	B1T1M0	1.59E-1	1.00E-2	3/28/08	8C28004

Wet Chemistry					
Moisture Content (% by Weight) by AGG-WC-001					
Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802013-12	B1T170	1.78E1	N/A	3/17/08	8C05001
0802013-14	B1T172	5.85E0	N/A	3/17/08	8C05001
0802014-10	B1T152	5.88E0	N/A	3/17/08	8C05001
0802014-12	B1T154	2.34E0	N/A	3/17/08	8C05001
0802014-14	B1T156	6.62E0	N/A	3/17/08	8C05001
0802014-16	B1T158	3.16E0	N/A	3/17/08	8C05001
0802015-15	B1T142	4.03E0	N/A	3/17/08	8C05001
0802016-26	B1T198	3.64E0	N/A	3/17/08	8C05001
0802018-03	B1T1C4	5.97E0	N/A	3/17/08	8C05001
0802022-01	B1T1H0	1.83E1	N/A	3/17/08	8C05001
0802022-04	B1T1H2	3.11E1	N/A	3/17/08	8C05001
0802022-07	B1T1H4	2.77E1	N/A	3/17/08	8C05001
0802022-11	B1T1H6	2.35E1	N/A	3/17/08	8C05001
0802024-15	B1T1D8	4.79E0	N/A	3/17/08	8C05001
0802024-18	B1T1F0	2.82E1	N/A	3/17/08	8C05001
0802024-27	B1T1F6	1.91E1	N/A	3/17/08	8C05001
0802024-56	B1T1M0	5.89E0	N/A	3/17/08	8C05001

Wet Chemistry					
pH (pH Units) by AGG-pH-001					
Lab ID	HEIS No.	Results	EQL	Analyzed	Batch
0802013-12	B1T170	8.05E0	N/A	3/28/08	8C28004
0802013-14	B1T172	7.98E0	N/A	3/28/08	8C28004
0802014-10	B1T152	7.88E0	N/A	3/28/08	8C28004
0802015-15	B1T142	8.08E0	N/A	3/28/08	8C28004
0802016-26	B1T198	7.89E0	N/A	3/28/08	8C28004
0802018-03	B1T1C4	7.89E0	N/A	3/28/08	8C28004
0802022-01	B1T1H0	7.82E0	N/A	3/28/08	8C28004
0802022-04	B1T1H2	8.03E0	N/A	3/28/08	8C28004
0802022-07	B1T1H4	8.32E0	N/A	3/28/08	8C28004
0802022-11	B1T1H6	8.04E0	N/A	3/28/08	8C28004
0802024-15	B1T1D8	7.85E0	N/A	3/28/08	8C28004
0802024-18	B1T1F0	8.13E0	N/A	3/28/08	8C28004
0802024-27	B1T1F6	8.18E0	N/A	3/28/08	8C28004
0802024-56	B1T1M0	8.07E0	N/A	3/28/08	8C28004

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T170	Lab ID: 0802013-12					
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/28/08	8C28005	AGG-IC-001
16887-00-6	Chloride	1.32E1	ug/g dry	5.00E0	3/28/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	<1.00E1	ug/g dry	1.00E1	3/28/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<1.00E1	ug/g dry	1.00E1	3/28/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	<1.00E1	ug/g dry	1.00E1	3/28/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	5.55E1	ug/g dry	1.50E1	3/28/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/28/08	8C28005	AGG-IC-001
HEIS No.	B1T172	Lab ID: 0802013-14					
16984-48-8	Fluoride	3.37E-1	ug/g dry	1.98E-1	3/28/08	8C28005	AGG-IC-001
16887-00-6	Chloride	2.67E0	ug/g dry	4.94E-1	3/28/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	<9.88E-1	ug/g dry	9.88E-1	3/28/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<9.88E-1	ug/g dry	9.88E-1	3/28/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	2.75E0	ug/g dry	9.88E-1	3/28/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	1.71E1	ug/g dry	1.48E0	3/28/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.48E0	ug/g dry	1.48E0	3/28/08	8C28005	AGG-IC-001
HEIS No.	B1T152	Lab ID: 0802014-10					
16984-48-8	Fluoride	3.25E-1	ug/g dry	1.98E-1	3/28/08	8C28005	AGG-IC-001
16887-00-6	Chloride	3.99E0	ug/g dry	4.95E-1	3/28/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	<9.90E-1	ug/g dry	9.90E-1	3/28/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<9.90E-1	ug/g dry	9.90E-1	3/28/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	3.76E0	ug/g dry	9.90E-1	3/28/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	4.80E1	ug/g dry	1.49E0	3/28/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.49E0	ug/g dry	1.49E0	3/28/08	8C28005	AGG-IC-001
HEIS No.	B1T142	Lab ID: 0802015-15					
16984-48-8	Fluoride	3.62E-1	ug/g dry	2.01E-1	3/28/08	8C28005	AGG-IC-001
16887-00-6	Chloride	1.95E0	ug/g dry	5.03E-1	3/28/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	<1.01E0	ug/g dry	1.01E0	3/28/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<1.01E0	ug/g dry	1.01E0	3/28/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	1.60E0	ug/g dry	1.01E0	3/28/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	1.55E1	ug/g dry	1.51E0	3/28/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	3/28/08	8C28005	AGG-IC-001
HEIS No.	B1T198	Lab ID: 0802016-26					
16984-48-8	Fluoride	2.31E-1	ug/g dry	2.00E-1	3/28/08	8C28005	AGG-IC-001
16887-00-6	Chloride	4.06E0	ug/g dry	4.99E-1	3/28/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	<9.98E-1	ug/g dry	9.98E-1	3/28/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<9.98E-1	ug/g dry	9.98E-1	3/28/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	3.92E0	ug/g dry	9.98E-1	3/28/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	1.67E1	ug/g dry	1.50E0	3/28/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/28/08	8C28005	AGG-IC-001
HEIS No.	B1T1C4	Lab ID: 0802018-03					
16984-48-8	Fluoride	3.44E-1	ug/g dry	2.01E-1	3/28/08	8C28005	AGG-IC-001
16887-00-6	Chloride	3.39E0	ug/g dry	5.01E-1	3/28/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	3/28/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<1.00E0	ug/g dry	1.00E0	3/28/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	4.33E0	ug/g dry	1.00E0	3/28/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	2.32E1	ug/g dry	1.50E0	3/28/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/28/08	8C28005	AGG-IC-001
HEIS No.	B1T1H0	Lab ID: 0802022-01					

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T1H0	Lab ID: 0802022-01					
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/28/08	8C28005	AGG-IC-001
16887-00-6	Chloride	1.76E1	ug/g dry	4.99E0	3/28/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	<9.99E0	ug/g dry	9.99E0	3/28/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<9.99E0	ug/g dry	9.99E0	3/28/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	2.83E2	ug/g dry	9.99E0	3/28/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	1.87E2	ug/g dry	1.50E1	3/28/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/28/08	8C28005	AGG-IC-001
HEIS No.	B1T1H2	Lab ID: 0802022-04					
16984-48-8	Fluoride	<1.98E0	ug/g dry	1.98E0	3/29/08	8C28005	AGG-IC-001
16887-00-6	Chloride	3.27E1	ug/g dry	4.96E0	3/29/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	1.00E1	ug/g dry	9.92E0	3/29/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<9.92E0	ug/g dry	9.92E0	3/29/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	3.48E2	ug/g dry	9.92E0	3/29/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	2.53E2	ug/g dry	1.49E1	3/29/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.49E1	ug/g dry	1.49E1	3/29/08	8C28005	AGG-IC-001
HEIS No.	B1T1H4	Lab ID: 0802022-07					
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/29/08	8C28005	AGG-IC-001
16887-00-6	Chloride	2.86E1	ug/g dry	5.00E0	3/29/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	4.93E1	ug/g dry	1.00E1	3/29/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<1.00E1	ug/g dry	1.00E1	3/29/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	4.58E2	ug/g dry	1.00E1	3/29/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	3.63E2	ug/g dry	1.50E1	3/29/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/29/08	8C28005	AGG-IC-001
HEIS No.	B1T1H6	Lab ID: 0802022-11					
16984-48-8	Fluoride	<2.00E0	ug/g dry	2.00E0	3/29/08	8C28005	AGG-IC-001
16887-00-6	Chloride	2.78E1	ug/g dry	5.00E0	3/29/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	<1.00E1	ug/g dry	1.00E1	3/29/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<1.00E1	ug/g dry	1.00E1	3/29/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	6.00E2	ug/g dry	1.00E1	3/29/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	4.01E2	ug/g dry	1.50E1	3/29/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.50E1	ug/g dry	1.50E1	3/29/08	8C28005	AGG-IC-001
HEIS No.	B1T1D8	Lab ID: 0802024-15					
16984-48-8	Fluoride	2.70E-1	ug/g dry	2.01E-1	3/29/08	8C28005	AGG-IC-001
16887-00-6	Chloride	3.58E0	ug/g dry	5.02E-1	3/29/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	3/29/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<1.00E0	ug/g dry	1.00E0	3/29/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	6.32E0	ug/g dry	1.00E0	3/29/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	2.13E1	ug/g dry	1.50E0	3/29/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/29/08	8C28005	AGG-IC-001
HEIS No.	B1T1F0	Lab ID: 0802024-18					
16984-48-8	Fluoride	4.11E-1	ug/g dry	2.00E-1	3/29/08	8C28005	AGG-IC-001
16887-00-6	Chloride	1.69E1	ug/g dry	5.01E-1	3/29/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	3/29/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<1.00E0	ug/g dry	1.00E0	3/29/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	1.86E1	ug/g dry	1.00E0	3/29/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	9.91E1	ug/g dry	1.50E0	3/29/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.50E0	ug/g dry	1.50E0	3/29/08	8C28005	AGG-IC-001
HEIS No.	B1T1F6	Lab ID: 0802024-27					

Anions by Ion Chromatography

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T1F6	Lab ID: 0802024-27					
16984-48-8	Fluoride	4.26E-1	ug/g dry	2.01E-1	3/29/08	8C28005	AGG-IC-001
16887-00-6	Chloride	1.55E1	ug/g dry	5.02E-1	3/29/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	<1.00E0	ug/g dry	1.00E0	3/29/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<1.00E0	ug/g dry	1.00E0	3/29/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	2.66E1	ug/g dry	1.00E0	3/29/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	1.02E2	ug/g dry	1.51E0	3/29/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.51E0	ug/g dry	1.51E0	3/29/08	8C28005	AGG-IC-001
HEIS No.	B1T1M0	Lab ID: 0802024-56					
16984-48-8	Fluoride	<2.03E0	ug/g dry	2.03E0	3/29/08	8C28005	AGG-IC-001
16887-00-6	Chloride	<5.07E0	ug/g dry	5.07E0	3/29/08	8C28005	AGG-IC-001
14797-65-0	Nitrite	<1.01E1	ug/g dry	1.01E1	3/29/08	8C28005	AGG-IC-001
24959-67-9	Bromide	<1.01E1	ug/g dry	1.01E1	3/29/08	8C28005	AGG-IC-001
14797-55-8	Nitrate	<1.01E1	ug/g dry	1.01E1	3/29/08	8C28005	AGG-IC-001
14808-79-8	Sulfate	1.78E1	ug/g dry	1.52E1	3/29/08	8C28005	AGG-IC-001
14265-44-2	Phosphate	<1.52E1	ug/g dry	1.52E1	3/29/08	8C28005	AGG-IC-001

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T170	Lab ID: 0802013-12					
7429-90-5	Aluminum	3.29E-1	ug/g dry	8.58E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	2.15E1	ug/g dry	3.87E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.04E-2	ug/g dry	8.04E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.24E0	ug/g dry	2.33E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.69E0	ug/g dry	8.34E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.13E1	ug/g dry	6.69E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
HEIS No.	B1T172	Lab ID: 0802013-14					
7429-90-5	Aluminum	2.26E-1	ug/g dry	8.48E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.96E0	ug/g dry	3.83E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.49E-2	ug/g dry	9.49E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.29E-2	ug/g dry	3.29E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-50-8	Copper	<7.95E-2	ug/g dry	7.95E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.41E-1	ug/g dry	1.41E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.73E0	ug/g dry	2.30E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.33E0	ug/g dry	8.24E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.69E-2	ug/g dry	1.69E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.22E-2	ug/g dry	9.22E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.93E0	ug/g dry	1.93E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.48E-2	ug/g dry	4.48E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.16E-2	ug/g dry	9.16E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.64E1	ug/g dry	6.61E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
HEIS No.	B1T152	Lab ID: 0802014-10					
7429-90-5	Aluminum	2.19E-1	ug/g dry	8.50E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.59E1	ug/g dry	3.83E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.51E-2	ug/g dry	9.51E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.30E-2	ug/g dry	3.30E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-50-8	Copper	<7.96E-2	ug/g dry	7.96E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.41E-1	ug/g dry	1.41E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.29E1	ug/g dry	2.31E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.33E0	ug/g dry	8.26E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.70E-2	ug/g dry	1.70E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.24E-2	ug/g dry	9.24E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.93E0	ug/g dry	1.93E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.18E-2	ug/g dry	9.18E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.20E1	ug/g dry	6.63E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
HEIS No.	B1T142	Lab ID: 0802015-15					
7429-90-5	Aluminum	6.64E-1	ug/g dry	8.63E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.11E0	ug/g dry	3.89E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.66E-2	ug/g dry	9.66E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.35E-2	ug/g dry	3.35E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T142	Lab ID: 0802015-15					
7440-50-8	Copper	<8.09E-2	ug/g dry	8.09E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.43E-1	ug/g dry	1.43E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.45E0	ug/g dry	2.34E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.57E0	ug/g dry	8.39E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.39E-2	ug/g dry	9.39E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.96E0	ug/g dry	1.96E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.56E-2	ug/g dry	4.56E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	7.54E-1	ug/g dry	9.32E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.12E1	ug/g dry	6.73E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
HEIS No.	B1T198	Lab ID: 0802016-26					
7429-90-5	Aluminum	2.32E-1	ug/g dry	8.57E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	8.32E0	ug/g dry	3.86E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.58E-2	ug/g dry	9.58E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.32E-2	ug/g dry	3.32E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.03E-2	ug/g dry	8.03E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.67E0	ug/g dry	2.32E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.36E0	ug/g dry	8.33E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.32E-2	ug/g dry	9.32E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.52E-2	ug/g dry	4.52E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.26E-2	ug/g dry	9.26E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	8.94E0	ug/g dry	6.68E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
HEIS No.	B1T1C4	Lab ID: 0802018-03					
7429-90-5	Aluminum	1.98E-1	ug/g dry	8.60E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.06E1	ug/g dry	3.88E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.63E-2	ug/g dry	9.63E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.34E-2	ug/g dry	3.34E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.06E-2	ug/g dry	8.06E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.43E-1	ug/g dry	1.43E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.46E0	ug/g dry	2.33E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.96E0	ug/g dry	8.36E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.36E-2	ug/g dry	9.36E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.96E0	ug/g dry	1.96E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.54E-2	ug/g dry	4.54E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.30E-2	ug/g dry	9.30E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.37E1	ug/g dry	6.71E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
HEIS No.	B1T1H0	Lab ID: 0802022-01					
7429-90-5	Aluminum	<8.57E-2	ug/g dry	8.57E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.20E1	ug/g dry	3.86E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.59E-2	ug/g dry	9.59E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.03E-2	ug/g dry	8.03E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.13E1	ug/g dry	2.32E0	5/01/08	8D28004	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T1H0	Lab ID: 0802022-01					
7439-95-4	Magnesium	2.06E1	ug/g dry	8.33E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.71E-2	ug/g dry	1.71E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.32E-2	ug/g dry	9.32E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.52E-2	ug/g dry	4.52E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.26E-2	ug/g dry	9.26E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.00E2	ug/g dry	6.68E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
HEIS No.	B1T1H2	Lab ID: 0802022-04					
7429-90-5	Aluminum	1.01E-1	ug/g dry	8.51E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.16E1	ug/g dry	3.84E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.52E-2	ug/g dry	9.52E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.30E-2	ug/g dry	3.30E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-50-8	Copper	8.11E-2	ug/g dry	7.97E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.41E-1	ug/g dry	1.41E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.45E1	ug/g dry	2.31E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.77E1	ug/g dry	8.27E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.70E-1	ug/g dry	1.70E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.25E-2	ug/g dry	9.25E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.93E0	ug/g dry	1.93E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.49E-2	ug/g dry	4.49E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.19E-2	ug/g dry	9.19E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.33E2	ug/g dry	6.63E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
HEIS No.	B1T1H4	Lab ID: 0802022-07					
7429-90-5	Aluminum	2.01E-1	ug/g dry	8.58E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.62E2	ug/g dry	3.87E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.60E-2	ug/g dry	9.60E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-50-8	Copper	2.47E-1	ug/g dry	8.04E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.67E1	ug/g dry	2.33E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	6.14E1	ug/g dry	8.34E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.72E-1	ug/g dry	1.71E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.33E-2	ug/g dry	9.33E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.27E-2	ug/g dry	9.27E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.46E2	ug/g dry	6.69E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
HEIS No.	B1T1H6	Lab ID: 0802022-11					
7429-90-5	Aluminum	1.01E-1	ug/g dry	8.59E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.60E2	ug/g dry	3.87E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.61E-2	ug/g dry	9.61E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.33E-2	ug/g dry	3.33E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-50-8	Copper	1.01E-1	ug/g dry	8.05E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.42E-1	ug/g dry	1.42E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.49E1	ug/g dry	2.33E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	8.69E1	ug/g dry	8.35E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	4.99E-2	ug/g dry	1.71E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.34E-2	ug/g dry	9.34E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T1H6	Lab ID: 0802022-11					
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.53E-2	ug/g dry	4.53E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	1.11E-1	ug/g dry	9.28E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	8.62E1	ug/g dry	6.70E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
HEIS No.	B1T1D8	Lab ID: 0802024-15					
7429-90-5	Aluminum	1.87E-1	ug/g dry	8.61E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.00E1	ug/g dry	3.88E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.63E-2	ug/g dry	9.63E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.34E-2	ug/g dry	3.34E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.07E-2	ug/g dry	8.07E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.43E-1	ug/g dry	1.43E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	3.68E0	ug/g dry	2.34E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.65E0	ug/g dry	8.37E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.36E-2	ug/g dry	9.36E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.96E0	ug/g dry	1.96E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.54E-2	ug/g dry	4.54E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.30E-2	ug/g dry	9.30E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	9.17E0	ug/g dry	6.71E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
HEIS No.	B1T1F0	Lab ID: 0802024-18					
7429-90-5	Aluminum	<8.60E-2	ug/g dry	8.60E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.75E1	ug/g dry	3.88E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.62E-2	ug/g dry	9.62E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.34E-2	ug/g dry	3.34E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.06E-2	ug/g dry	8.06E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.43E-1	ug/g dry	1.43E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.01E0	ug/g dry	2.33E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.04E1	ug/g dry	8.36E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.72E-2	ug/g dry	1.72E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.35E-2	ug/g dry	9.35E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.95E0	ug/g dry	1.95E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.54E-2	ug/g dry	4.54E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.29E-2	ug/g dry	9.29E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	2.59E1	ug/g dry	6.71E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
HEIS No.	B1T1F6	Lab ID: 0802024-27					
7429-90-5	Aluminum	<8.61E-2	ug/g dry	8.61E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.08E1	ug/g dry	3.88E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.63E-2	ug/g dry	9.63E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.34E-2	ug/g dry	3.34E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.07E-2	ug/g dry	8.07E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	<1.43E-1	ug/g dry	1.43E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	6.33E0	ug/g dry	2.34E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	1.13E1	ug/g dry	8.37E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.59E-2	ug/g dry	1.72E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.36E-2	ug/g dry	9.36E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.96E0	ug/g dry	1.96E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.55E-2	ug/g dry	4.55E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.30E-2	ug/g dry	9.30E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T1F6	Lab ID: 0802024-27					
7440-23-5	Sodium	2.80E1	ug/g dry	6.71E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
HEIS No.	B1T1M0	Lab ID: 0802024-56					
7429-90-5	Aluminum	1.94E-1	ug/g dry	8.71E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.57E0	ug/g dry	3.93E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.74E-2	ug/g dry	9.74E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-47-3	Chromium	<3.38E-2	ug/g dry	3.38E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-50-8	Copper	<8.16E-2	ug/g dry	8.16E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.56E-1	ug/g dry	1.44E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-09-7	Potassium	4.15E0	ug/g dry	2.36E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.99E0	ug/g dry	8.46E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7439-96-5	Manganese	<1.74E-2	ug/g dry	1.74E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<9.47E-2	ug/g dry	9.47E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.98E0	ug/g dry	1.98E0	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	<4.60E-2	ug/g dry	4.60E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-66-6	Zinc	<9.41E-2	ug/g dry	9.41E-2	5/01/08	8D28004	PNNL-AGG-ICP-AES
7440-23-5	Sodium	1.07E1	ug/g dry	6.79E-1	5/01/08	8D28004	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T170	Lab ID: 0802013-12					
7429-90-5	Aluminum	5.17E3	ug/g dry	4.13E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.73E1	ug/g dry	3.93E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.00E3	ug/g dry	1.53E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<8.57E0	ug/g dry	8.57E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.04E1	ug/g dry	3.43E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.66E1	ug/g dry	3.66E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	9.28E3	ug/g dry	1.05E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.10E3	ug/g dry	9.74E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.90E3	ug/g dry	3.25E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.44E2	ug/g dry	1.23E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.27E1	ug/g dry	8.44E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.43E2	ug/g dry	1.43E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.05E1	ug/g dry	3.82E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.53E1	ug/g dry	6.44E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.10E3	ug/g dry	1.10E3	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	B1T172	Lab ID: 0802013-14					
7429-90-5	Aluminum	4.94E3	ug/g dry	3.70E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	5.91E1	ug/g dry	3.53E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.67E3	ug/g dry	1.38E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<7.68E0	ug/g dry	7.68E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	5.87E0	ug/g dry	3.08E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.28E1	ug/g dry	3.28E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.04E4	ug/g dry	9.41E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.07E3	ug/g dry	8.73E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.39E3	ug/g dry	2.91E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.21E2	ug/g dry	1.10E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	7.77E0	ug/g dry	7.57E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.29E2	ug/g dry	1.29E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.33E1	ug/g dry	3.43E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.49E1	ug/g dry	5.77E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.87E2	ug/g dry	9.87E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	B1T152	Lab ID: 0802014-10					
7429-90-5	Aluminum	4.47E3	ug/g dry	3.51E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	3.85E1	ug/g dry	3.35E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.70E3	ug/g dry	1.30E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<7.29E0	ug/g dry	7.29E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	7.12E0	ug/g dry	2.92E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	8.04E3	ug/g dry	8.92E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.07E3	ug/g dry	8.28E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.39E3	ug/g dry	2.76E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.05E2	ug/g dry	1.05E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-98-7	Molybdenum	<1.98E1	ug/g dry	1.98E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.03E1	ug/g dry	7.18E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.22E2	ug/g dry	1.22E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	8.65E0	ug/g dry	3.25E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.25E1	ug/g dry	5.48E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.36E2	ug/g dry	9.36E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	B1T142	Lab ID: 0802015-15					

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T142	Lab ID: 0802015-15					
7429-90-5	Aluminum	4.84E3	ug/g dry	3.45E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.79E1	ug/g dry	3.29E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	6.72E3	ug/g dry	1.28E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<1.96E0	ug/g dry	1.96E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<7.17E0	ug/g dry	7.17E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	6.97E0	ug/g dry	2.87E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.06E1	ug/g dry	3.06E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.07E4	ug/g dry	8.77E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.48E2	ug/g dry	8.15E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.92E3	ug/g dry	2.72E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.23E2	ug/g dry	1.03E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.02E1	ug/g dry	7.06E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.20E2	ug/g dry	1.20E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.28E1	ug/g dry	3.20E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.41E1	ug/g dry	5.38E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.20E2	ug/g dry	9.20E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-36-0	Antimony	<9.61E1	ug/g dry	9.61E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	B1T198	Lab ID: 0802016-26					
7429-90-5	Aluminum	4.51E3	ug/g dry	3.67E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.55E1	ug/g dry	3.49E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.62E3	ug/g dry	1.36E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<7.60E0	ug/g dry	7.60E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	7.61E0	ug/g dry	3.05E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.25E1	ug/g dry	3.25E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	8.89E3	ug/g dry	9.31E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	8.59E2	ug/g dry	8.64E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.68E3	ug/g dry	2.88E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.08E2	ug/g dry	1.09E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.17E1	ug/g dry	7.49E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.27E2	ug/g dry	1.27E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	9.97E0	ug/g dry	3.39E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.15E1	ug/g dry	5.71E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.76E2	ug/g dry	9.76E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	B1T1C4	Lab ID: 0802018-03					
7429-90-5	Aluminum	4.95E3	ug/g dry	3.52E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	7.40E1	ug/g dry	3.36E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.58E3	ug/g dry	1.31E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-43-9	Cadmium	<2.00E0	ug/g dry	2.00E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<7.31E0	ug/g dry	7.31E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	3.45E0	ug/g dry	2.93E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.12E1	ug/g dry	3.12E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.16E4	ug/g dry	8.95E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.46E2	ug/g dry	8.31E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.07E3	ug/g dry	2.77E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.91E2	ug/g dry	1.05E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.21E0	ug/g dry	7.21E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.22E2	ug/g dry	1.22E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.58E1	ug/g dry	3.26E0	6/13/08	8E12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T1C4	Lab ID: 0802018-03					
7440-66-6	Zinc	2.56E1	ug/g dry	5.49E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.39E2	ug/g dry	9.39E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	B1T1H0	Lab ID: 0802022-01					
7429-90-5	Aluminum	5.83E3	ug/g dry	3.89E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	6.58E1	ug/g dry	3.71E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.88E3	ug/g dry	1.45E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<8.07E0	ug/g dry	8.07E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.00E1	ug/g dry	3.23E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.45E1	ug/g dry	3.45E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.03E4	ug/g dry	9.88E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.45E3	ug/g dry	9.17E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.38E3	ug/g dry	3.06E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.84E2	ug/g dry	1.16E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.30E1	ug/g dry	7.95E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.35E2	ug/g dry	1.35E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.21E1	ug/g dry	3.60E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.87E1	ug/g dry	6.06E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.04E3	ug/g dry	1.04E3	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	B1T1H2	Lab ID: 0802022-04					
7429-90-5	Aluminum	5.93E3	ug/g dry	5.26E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	6.83E1	ug/g dry	5.01E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.02E4	ug/g dry	1.95E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<1.09E1	ug/g dry	1.09E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.05E1	ug/g dry	4.37E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<4.66E1	ug/g dry	4.66E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.09E4	ug/g dry	1.34E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.43E3	ug/g dry	1.24E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.48E3	ug/g dry	4.13E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.80E2	ug/g dry	1.56E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.41E1	ug/g dry	1.07E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.82E2	ug/g dry	1.82E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.25E1	ug/g dry	4.86E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.93E1	ug/g dry	8.19E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.40E3	ug/g dry	1.40E3	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	B1T1H4	Lab ID: 0802022-07					
7429-90-5	Aluminum	7.76E3	ug/g dry	4.45E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	8.88E1	ug/g dry	4.24E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.04E4	ug/g dry	1.65E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.23E0	ug/g dry	9.23E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.51E1	ug/g dry	3.70E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.94E1	ug/g dry	3.94E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.27E4	ug/g dry	1.13E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.73E3	ug/g dry	1.05E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.21E3	ug/g dry	3.50E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.30E2	ug/g dry	1.32E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.69E1	ug/g dry	9.10E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.54E2	ug/g dry	1.54E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.34E1	ug/g dry	4.12E0	6/13/08	8E12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T1H4	Lab ID: 0802022-07					
7440-66-6	Zinc	4.18E1	ug/g dry	6.94E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.19E3	ug/g dry	1.19E3	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	B1T1H6	Lab ID: 0802022-11					
7429-90-5	Aluminum	6.72E3	ug/g dry	4.37E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	8.18E1	ug/g dry	4.16E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	1.20E4	ug/g dry	1.62E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.06E0	ug/g dry	9.06E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	8.06E0	ug/g dry	3.63E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.87E1	ug/g dry	3.87E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.14E4	ug/g dry	1.11E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.54E3	ug/g dry	1.03E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.86E3	ug/g dry	3.43E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.19E2	ug/g dry	1.30E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.05E1	ug/g dry	8.93E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.52E2	ug/g dry	1.52E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.11E1	ug/g dry	4.04E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	3.37E1	ug/g dry	6.81E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.16E3	ug/g dry	1.16E3	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	B1T1D8	Lab ID: 0802024-15					
7429-90-5	Aluminum	4.25E3	ug/g dry	3.38E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.11E1	ug/g dry	3.22E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	5.44E3	ug/g dry	1.26E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<7.02E0	ug/g dry	7.02E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	7.16E0	ug/g dry	2.81E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.00E1	ug/g dry	3.00E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	7.54E3	ug/g dry	8.59E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	9.04E2	ug/g dry	7.98E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	3.32E3	ug/g dry	2.66E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.91E2	ug/g dry	1.01E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.08E1	ug/g dry	6.92E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.17E2	ug/g dry	1.17E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	8.58E0	ug/g dry	3.13E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.04E1	ug/g dry	5.27E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.01E2	ug/g dry	9.01E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	B1T1F0	Lab ID: 0802024-18					
7429-90-5	Aluminum	7.84E3	ug/g dry	4.36E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	6.77E1	ug/g dry	4.15E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	7.08E3	ug/g dry	1.62E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<9.04E0	ug/g dry	9.04E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.50E1	ug/g dry	3.62E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.86E1	ug/g dry	3.86E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.33E4	ug/g dry	1.11E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.54E3	ug/g dry	1.03E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	5.12E3	ug/g dry	3.43E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	3.34E2	ug/g dry	1.30E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.76E1	ug/g dry	8.91E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.51E2	ug/g dry	1.51E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.58E1	ug/g dry	4.03E0	6/13/08	8E12002	PNNL-AGG-ICP-AES

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

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T1F0	Lab ID: 0802024-18					
7440-66-6	Zinc	3.70E1	ug/g dry	6.79E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.16E3	ug/g dry	1.16E3	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	B1T1F6	Lab ID: 0802024-27					
7429-90-5	Aluminum	6.22E3	ug/g dry	4.21E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	6.65E1	ug/g dry	4.01E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	9.71E3	ug/g dry	1.56E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<8.73E0	ug/g dry	8.73E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	1.13E1	ug/g dry	3.50E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.73E1	ug/g dry	3.73E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.07E4	ug/g dry	1.07E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	1.22E3	ug/g dry	9.92E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	4.38E3	ug/g dry	3.31E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	2.65E2	ug/g dry	1.25E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	1.43E1	ug/g dry	8.60E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.46E2	ug/g dry	1.46E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.45E1	ug/g dry	3.89E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.89E1	ug/g dry	6.56E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<1.12E3	ug/g dry	1.12E3	6/13/08	8E12002	PNNL-AGG-ICP-AES
HEIS No.	B1T1M0	Lab ID: 0802024-56					
7429-90-5	Aluminum	3.79E3	ug/g dry	3.54E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-39-3	Barium	4.76E1	ug/g dry	3.37E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-70-2	Calcium	3.97E3	ug/g dry	1.31E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-48-4	Cobalt	<7.34E0	ug/g dry	7.34E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-47-3	Chromium	5.10E0	ug/g dry	2.94E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-50-8	Copper	<3.13E1	ug/g dry	3.13E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-89-6	Iron	1.08E4	ug/g dry	8.99E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-09-7	Potassium	5.47E2	ug/g dry	8.35E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-95-4	Magnesium	2.38E3	ug/g dry	2.78E1	6/13/08	8E12002	PNNL-AGG-ICP-AES
7439-96-5	Manganese	1.56E2	ug/g dry	1.05E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-02-0	Nickel	<7.24E0	ug/g dry	7.24E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7782-49-2	Selenium	<1.23E2	ug/g dry	1.23E2	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-62-2	Vanadium	1.66E1	ug/g dry	3.27E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-66-6	Zinc	2.00E1	ug/g dry	5.52E0	6/13/08	8E12002	PNNL-AGG-ICP-AES
7440-23-5	Sodium	<9.43E2	ug/g dry	9.43E2	6/13/08	8E12002	PNNL-AGG-ICP-AES

Radionuclides by ICP-MS/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T170	Lab ID: 0802013-12					
14133-76-7	Technetium-99	<4.97E-3	ug/g dry	4.97E-3	5/15/08	8E15002	PNNL-AGG-415
	Uranium 238	4.17E-1	ug/g dry	3.61E-2	5/15/08	8E15002	PNNL-AGG-415
HEIS No.	B1T172	Lab ID: 0802013-14					
14133-76-7	Technetium-99	<4.46E-3	ug/g dry	4.46E-3	5/15/08	8E15002	PNNL-AGG-415
	Uranium 238	4.33E-1	ug/g dry	3.24E-2	5/15/08	8E15002	PNNL-AGG-415
HEIS No.	B1T152	Lab ID: 0802014-10					
14133-76-7	Technetium-99	<4.23E-3	ug/g dry	4.23E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	3.36E-1	ug/g dry	3.07E-2	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	B1T142	Lab ID: 0802015-15					
14133-76-7	Technetium-99	<4.16E-3	ug/g dry	4.16E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	3.49E-1	ug/g dry	3.02E-2	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	B1T198	Lab ID: 0802016-26					
14133-76-7	Technetium-99	<4.41E-3	ug/g dry	4.41E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	3.28E-1	ug/g dry	3.21E-2	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	B1T1C4	Lab ID: 0802018-03					
14133-76-7	Technetium-99	<4.25E-3	ug/g dry	4.25E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	4.52E-1	ug/g dry	3.08E-2	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	B1T1H0	Lab ID: 0802022-01					
14133-76-7	Technetium-99	<4.69E-3	ug/g dry	4.69E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	8.21E1	ug/g dry	3.40E0	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	B1T1H2	Lab ID: 0802022-04					
14133-76-7	Technetium-99	<6.33E-3	ug/g dry	6.33E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	8.73E1	ug/g dry	4.60E0	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	B1T1H4	Lab ID: 0802022-07					
14133-76-7	Technetium-99	<5.36E-3	ug/g dry	5.36E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	2.28E2	ug/g dry	3.89E0	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	B1T1H6	Lab ID: 0802022-11					
14133-76-7	Technetium-99	<5.26E-3	ug/g dry	5.26E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	1.03E2	ug/g dry	3.82E0	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	B1T1D8	Lab ID: 0802024-15					
14133-76-7	Technetium-99	<4.07E-3	ug/g dry	4.07E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	2.39E-1	ug/g dry	2.96E-2	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	B1T1F0	Lab ID: 0802024-18					
14133-76-7	Technetium-99	<5.25E-3	ug/g dry	5.25E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	6.99E-1	ug/g dry	3.81E-2	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	B1T1F6	Lab ID: 0802024-27					
14133-76-7	Technetium-99	<5.07E-3	ug/g dry	5.07E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	4.01E0	ug/g dry	3.68E-2	5/16/08	8E15002	PNNL-AGG-415
HEIS No.	B1T1M0	Lab ID: 0802024-56					
14133-76-7	Technetium-99	<4.26E-3	ug/g dry	4.26E-3	5/16/08	8E15002	PNNL-AGG-415
	Uranium 238	1.55E0	ug/g dry	3.09E-2	5/16/08	8E15002	PNNL-AGG-415

Radionuclides by ICP-MS/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T170	Lab ID: 0802013-12					
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	3.02E-3	ug/g dry	5.64E-4	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	B1T172	Lab ID: 0802013-14					
14133-76-7	Technetium-99	<2.27E-5	ug/g dry	2.27E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	2.51E-3	ug/g dry	5.57E-4	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	B1T152	Lab ID: 0802014-10					
14133-76-7	Technetium-99	<2.28E-5	ug/g dry	2.28E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	<5.58E-4	ug/g dry	5.58E-4	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	B1T142	Lab ID: 0802015-15					
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	<5.67E-4	ug/g dry	5.67E-4	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	B1T198	Lab ID: 0802016-26					
14133-76-7	Technetium-99	<2.30E-5	ug/g dry	2.30E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	<5.63E-4	ug/g dry	5.63E-4	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	B1T1C4	Lab ID: 0802018-03					
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	1.55E-3	ug/g dry	5.65E-4	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	B1T1H0	Lab ID: 0802022-01					
14133-76-7	Technetium-99	1.40E-3	ug/g dry	2.30E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	1.97E1	ug/g dry	1.13E0	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	B1T1H2	Lab ID: 0802022-04					
14133-76-7	Technetium-99	3.71E-4	ug/g dry	2.28E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	3.29E1	ug/g dry	1.12E0	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	B1T1H4	Lab ID: 0802022-07					
14133-76-7	Technetium-99	2.19E-3	ug/g dry	2.30E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	9.46E1	ug/g dry	1.13E0	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	B1T1H6	Lab ID: 0802022-11					
14133-76-7	Technetium-99	3.55E-3	ug/g dry	2.30E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	3.95E1	ug/g dry	1.13E0	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	B1T1D8	Lab ID: 0802024-15					
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	1.38E-3	ug/g dry	5.65E-4	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	B1T1F0	Lab ID: 0802024-18					
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	1.16E-2	ug/g dry	5.65E-4	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	B1T1F6	Lab ID: 0802024-27					
14133-76-7	Technetium-99	<2.31E-5	ug/g dry	2.31E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	1.75E-1	ug/g dry	5.65E-4	4/15/08	8D15001	PNNL-AGG-415
HEIS No.	B1T1M0	Lab ID: 0802024-56					
14133-76-7	Technetium-99	<2.33E-5	ug/g dry	2.33E-5	4/15/08	8D15001	PNNL-AGG-415
	Uranium 238	1.90E-2	ug/g dry	5.72E-4	4/15/08	8D15001	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T170	Lab ID: 0802013-12					
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	4/24/08	8D07004	PNNL-AGG-415
HEIS No.	B1T172	Lab ID: 0802013-14					
14378-38-2	Silver	<1.06E-3	ug/g dry	1.06E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.92E-4	ug/g dry	2.92E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.34E-4	ug/g dry	5.34E-4	4/24/08	8D07004	PNNL-AGG-415
HEIS No.	B1T152	Lab ID: 0802014-10					
14378-38-2	Silver	<1.06E-3	ug/g dry	1.06E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.92E-4	ug/g dry	2.92E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.35E-4	ug/g dry	5.35E-4	4/24/08	8D07004	PNNL-AGG-415
HEIS No.	B1T142	Lab ID: 0802015-15					
14378-38-2	Silver	<1.08E-3	ug/g dry	1.08E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.97E-4	ug/g dry	2.97E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.43E-4	ug/g dry	5.43E-4	4/24/08	8D07004	PNNL-AGG-415
HEIS No.	B1T198	Lab ID: 0802016-26					
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.39E-4	ug/g dry	5.39E-4	4/24/08	8D07004	PNNL-AGG-415
HEIS No.	B1T1C4	Lab ID: 0802018-03					
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.41E-4	ug/g dry	5.41E-4	4/24/08	8D07004	PNNL-AGG-415
HEIS No.	B1T1H0	Lab ID: 0802022-01					
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.39E-4	ug/g dry	5.39E-4	4/24/08	8D07004	PNNL-AGG-415
HEIS No.	B1T1H2	Lab ID: 0802022-04					
14378-38-2	Silver	<1.06E-3	ug/g dry	1.06E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.93E-4	ug/g dry	2.93E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	7.65E-4	ug/g dry	5.36E-4	4/24/08	8D07004	PNNL-AGG-415
HEIS No.	B1T1H4	Lab ID: 0802022-07					
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	4.37E-4	ug/g dry	2.95E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	5.59E-4	ug/g dry	5.40E-4	4/24/08	8D07004	PNNL-AGG-415
HEIS No.	B1T1H6	Lab ID: 0802022-11					
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.95E-4	ug/g dry	2.95E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.40E-4	ug/g dry	5.40E-4	4/24/08	8D07004	PNNL-AGG-415
HEIS No.	B1T1D8	Lab ID: 0802024-15					
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.42E-4	ug/g dry	5.42E-4	4/24/08	8D07004	PNNL-AGG-415
HEIS No.	B1T1F0	Lab ID: 0802024-18					
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.41E-4	ug/g dry	5.41E-4	4/24/08	8D07004	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Water Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T1F6	Lab ID: 0802024-27					
14378-38-2	Silver	<1.07E-3	ug/g dry	1.07E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.96E-4	ug/g dry	2.96E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	<5.42E-4	ug/g dry	5.42E-4	4/24/08	8D07004	PNNL-AGG-415
HEIS No.	B1T1M0	Lab ID: 0802024-56					
14378-38-2	Silver	<1.09E-3	ug/g dry	1.09E-3	4/24/08	8D07004	PNNL-AGG-415
14336-64-2	Cadmium	<2.99E-4	ug/g dry	2.99E-4	4/24/08	8D07004	PNNL-AGG-415
14265-72-6	Antimony	8.48E-4	ug/g dry	5.48E-4	4/24/08	8D07004	PNNL-AGG-415

RCRA Metals By PNNL-AGG-415/Acid Extract

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B1T170	Lab ID: 0802013-12					
14336-64-2	Cadmium	7.84E-2	ug/g dry	5.89E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<9.53E-2	ug/g dry	9.53E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	B1T172	Lab ID: 0802013-14					
14336-64-2	Cadmium	<5.29E-2	ug/g dry	5.29E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<8.55E-2	ug/g dry	8.55E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	B1T152	Lab ID: 0802014-10					
14336-64-2	Cadmium	5.41E-2	ug/g dry	5.01E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<8.11E-2	ug/g dry	8.11E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	B1T142	Lab ID: 0802015-15					
14336-64-2	Cadmium	6.25E-2	ug/g dry	4.93E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<7.97E-2	ug/g dry	7.97E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	B1T198	Lab ID: 0802016-26					
14336-64-2	Cadmium	<5.23E-2	ug/g dry	5.23E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<8.46E-2	ug/g dry	8.46E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	B1T1C4	Lab ID: 0802018-03					
14336-64-2	Cadmium	6.13E-2	ug/g dry	5.03E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<8.13E-2	ug/g dry	8.13E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	B1T1H0	Lab ID: 0802022-01					
14336-64-2	Cadmium	8.28E-2	ug/g dry	5.55E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<8.98E-2	ug/g dry	8.98E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	B1T1H2	Lab ID: 0802022-04					
14336-64-2	Cadmium	1.03E-1	ug/g dry	7.50E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<1.21E-1	ug/g dry	1.21E-1	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	B1T1H4	Lab ID: 0802022-07					
14336-64-2	Cadmium	1.14E-1	ug/g dry	6.35E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<1.03E-1	ug/g dry	1.03E-1	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	B1T1H6	Lab ID: 0802022-11					
14336-64-2	Cadmium	1.03E-1	ug/g dry	6.23E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<1.01E-1	ug/g dry	1.01E-1	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	B1T1D8	Lab ID: 0802024-15					
14336-64-2	Cadmium	<4.83E-2	ug/g dry	4.83E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<7.81E-2	ug/g dry	7.81E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	B1T1F0	Lab ID: 0802024-18					
14336-64-2	Cadmium	1.15E-1	ug/g dry	6.22E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<1.01E-1	ug/g dry	1.01E-1	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	B1T1F6	Lab ID: 0802024-27					
14336-64-2	Cadmium	1.04E-1	ug/g dry	6.00E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<9.71E-2	ug/g dry	9.71E-2	6/03/08	8E15001	PNNL-AGG-415
HEIS No.	B1T1M0	Lab ID: 0802024-56					
14336-64-2	Cadmium	5.34E-2	ug/g dry	5.05E-2	6/03/08	8E15001	PNNL-AGG-415
14265-72-6	Antimony	<8.17E-2	ug/g dry	8.17E-2	6/03/08	8E15001	PNNL-AGG-415

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	B1T170	Lab ID: 0802013-12						
10198-40-0	Cobalt-60	<2.71E-1	pCi/g dry	2.71E-1		4/01/08	8C25009	AGG-RRL-001
10045-97-3	Cesium-137	<3.25E-1	pCi/g dry	3.25E-1		4/01/08	8C25009	AGG-RRL-001
14683-23-9	Europium-152	<1.20E0	pCi/g dry	1.20E0		4/01/08	8C25009	AGG-RRL-001
15585-10-1	Europium-154	<6.64E-1	pCi/g dry	6.64E-1		4/01/08	8C25009	AGG-RRL-001
14391-16-3	Europium-155	<1.14E0	pCi/g dry	1.14E0		4/01/08	8C25009	AGG-RRL-001
HEIS No.	B1T152	Lab ID: 0802014-10						
10198-40-0	Cobalt-60	<2.36E-1	pCi/g dry	2.36E-1		4/01/08	8C25009	AGG-RRL-001
10045-97-3	Cesium-137	<2.92E-1	pCi/g dry	2.92E-1		4/01/08	8C25009	AGG-RRL-001
14683-23-9	Europium-152	<1.01E0	pCi/g dry	1.01E0		4/01/08	8C25009	AGG-RRL-001
15585-10-1	Europium-154	<6.04E-1	pCi/g dry	6.04E-1		4/01/08	8C25009	AGG-RRL-001
14391-16-3	Europium-155	<9.71E-1	pCi/g dry	9.71E-1		4/01/08	8C25009	AGG-RRL-001
HEIS No.	B1T198	Lab ID: 0802016-26						
10198-40-0	Cobalt-60	<2.39E-1	pCi/g dry	2.39E-1		4/01/08	8C25009	AGG-RRL-001
10045-97-3	Cesium-137	<2.83E-1	pCi/g dry	2.83E-1		4/01/08	8C25009	AGG-RRL-001
14683-23-9	Europium-152	<1.07E0	pCi/g dry	1.07E0		4/01/08	8C25009	AGG-RRL-001
15585-10-1	Europium-154	<5.88E-1	pCi/g dry	5.88E-1		4/01/08	8C25009	AGG-RRL-001
14391-16-3	Europium-155	<9.85E-1	pCi/g dry	9.85E-1		4/01/08	8C25009	AGG-RRL-001
HEIS No.	B1T1C4	Lab ID: 0802018-03						
10198-40-0	Cobalt-60	<1.65E-1	pCi/g dry	1.65E-1		4/02/08	8C25009	AGG-RRL-001
10045-97-3	Cesium-137	<2.02E-1	pCi/g dry	2.02E-1		4/02/08	8C25009	AGG-RRL-001
14683-23-9	Europium-152	<7.32E-1	pCi/g dry	7.32E-1		4/02/08	8C25009	AGG-RRL-001
15585-10-1	Europium-154	<4.38E-1	pCi/g dry	4.38E-1		4/02/08	8C25009	AGG-RRL-001
14391-16-3	Europium-155	<7.03E-1	pCi/g dry	7.03E-1		4/02/08	8C25009	AGG-RRL-001
HEIS No.	B1T1H2	Lab ID: 0802022-04						
10198-40-0	Cobalt-60	<2.02E-1	pCi/g dry	2.02E-1		4/01/08	8C25009	AGG-RRL-001
10045-97-3	Cesium-137	<2.35E-1	pCi/g dry	2.35E-1		4/01/08	8C25009	AGG-RRL-001
14683-23-9	Europium-152	<8.47E-1	pCi/g dry	8.47E-1		4/01/08	8C25009	AGG-RRL-001
15585-10-1	Europium-154	<5.98E-1	pCi/g dry	5.98E-1		4/01/08	8C25009	AGG-RRL-001
14391-16-3	Europium-155	<1.15E0	pCi/g dry	1.15E0		4/01/08	8C25009	AGG-RRL-001
HEIS No.	B1T1H4	Lab ID: 0802022-07						
10198-40-0	Cobalt-60	<3.08E-1	pCi/g dry	3.08E-1		4/01/08	8C25009	AGG-RRL-001
10045-97-3	Cesium-137	<4.03E-1	pCi/g dry	4.03E-1		4/01/08	8C25009	AGG-RRL-001
14683-23-9	Europium-152	<1.49E0	pCi/g dry	1.49E0		4/01/08	8C25009	AGG-RRL-001
15585-10-1	Europium-154	<9.70E-1	pCi/g dry	9.70E-1		4/01/08	8C25009	AGG-RRL-001
14391-16-3	Europium-155	<3.01E0	pCi/g dry	3.01E0		4/01/08	8C25009	AGG-RRL-001
HEIS No.	B1T1H6	Lab ID: 0802022-11						
10198-40-0	Cobalt-60	<2.50E-1	pCi/g dry	2.50E-1		4/01/08	8C25009	AGG-RRL-001
10045-97-3	Cesium-137	<2.96E-1	pCi/g dry	2.96E-1		4/01/08	8C25009	AGG-RRL-001
14683-23-9	Europium-152	<1.05E0	pCi/g dry	1.05E0		4/01/08	8C25009	AGG-RRL-001
15585-10-1	Europium-154	<7.14E-1	pCi/g dry	7.14E-1		4/01/08	8C25009	AGG-RRL-001
14391-16-3	Europium-155	<1.40E0	pCi/g dry	1.40E0		4/01/08	8C25009	AGG-RRL-001
HEIS No.	B1T1F0	Lab ID: 0802024-18						
10198-40-0	Cobalt-60	<2.92E-1	pCi/g dry	2.92E-1		4/02/08	8C25009	AGG-RRL-001
10045-97-3	Cesium-137	<3.27E-1	pCi/g dry	3.27E-1		4/02/08	8C25009	AGG-RRL-001
14683-23-9	Europium-152	<1.28E0	pCi/g dry	1.28E0		4/02/08	8C25009	AGG-RRL-001
15585-10-1	Europium-154	<7.22E-1	pCi/g dry	7.22E-1		4/02/08	8C25009	AGG-RRL-001
14391-16-3	Europium-155	<1.24E0	pCi/g dry	1.24E0		4/02/08	8C25009	AGG-RRL-001

GEA/Soil

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	B1T1F6	Lab ID: 0802024-27						
10198-40-0	Cobalt-60	<2.39E-1	pCi/g dry	2.39E-1		4/02/08	8C25009	AGG-RRL-001
10045-97-3	Cesium-137	<3.04E-1	pCi/g dry	3.04E-1		4/02/08	8C25009	AGG-RRL-001
14683-23-9	Europium-152	<1.11E0	pCi/g dry	1.11E0		4/02/08	8C25009	AGG-RRL-001
15585-10-1	Europium-154	<6.30E-1	pCi/g dry	6.30E-1		4/02/08	8C25009	AGG-RRL-001
14391-16-3	Europium-155	<1.04E0	pCi/g dry	1.04E0		4/02/08	8C25009	AGG-RRL-001
HEIS No.	B1T1M0	Lab ID: 0802024-56						
10198-40-0	Cobalt-60	<1.77E-1	pCi/g dry	1.77E-1		4/02/08	8C25009	AGG-RRL-001
10045-97-3	Cesium-137	<2.16E-1	pCi/g dry	2.16E-1		4/02/08	8C25009	AGG-RRL-001
14683-23-9	Europium-152	<7.79E-1	pCi/g dry	7.79E-1		4/02/08	8C25009	AGG-RRL-001
15585-10-1	Europium-154	<4.82E-1	pCi/g dry	4.82E-1		4/02/08	8C25009	AGG-RRL-001
14391-16-3	Europium-155	<8.01E-1	pCi/g dry	8.01E-1		4/02/08	8C25009	AGG-RRL-001

Total Alpha Total Beta/Acid Extract

CAS #	Analyte	Results	Units	MDA	UNC	Analyzed	Batch	Method
HEIS No.	B1T170	Lab ID: 0802013-12						
12587-47-2	Gross Beta	<6.18E1	pCi/g dry	6.18E1		4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	<2.44E1	pCi/g dry	2.44E1		4/23/08	8I19001	AGG-RRL-002
HEIS No.	B1T172	Lab ID: 0802013-14						
12587-47-2	Gross Beta	<5.50E1	pCi/g dry	5.50E1		4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	<2.17E1	pCi/g dry	2.17E1		4/23/08	8I19001	AGG-RRL-002
HEIS No.	B1T152	Lab ID: 0802014-10						
12587-47-2	Gross Beta	<5.24E1	pCi/g dry	5.24E1		4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	<2.07E1	pCi/g dry	2.07E1		4/23/08	8I19001	AGG-RRL-002
HEIS No.	B1T142	Lab ID: 0802015-15						
12587-47-2	Gross Beta	<5.15E1	pCi/g dry	5.15E1		4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	<2.03E1	pCi/g dry	2.03E1		4/23/08	8I19001	AGG-RRL-002
HEIS No.	B1T198	Lab ID: 0802016-26						
12587-47-2	Gross Beta	<5.44E1	pCi/g dry	5.44E1		4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	<2.15E1	pCi/g dry	2.15E1		4/23/08	8I19001	AGG-RRL-002
HEIS No.	B1T1C4	Lab ID: 0802018-03						
12587-47-2	Gross Beta	<5.26E1	pCi/g dry	5.26E1		4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	<2.08E1	pCi/g dry	2.08E1		4/23/08	8I19001	AGG-RRL-002
HEIS No.	B1T1H0	Lab ID: 0802022-01						
12587-47-2	Gross Beta	1.01E2	pCi/g dry	5.79E1	6.07E0	4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	2.37E1	pCi/g dry	2.29E1	2.38E0	4/23/08	8I19001	AGG-RRL-002
HEIS No.	B1T1H2	Lab ID: 0802022-04						
12587-47-2	Gross Beta	8.52E1	pCi/g dry	7.79E1	5.70E0	4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	<3.08E1	pCi/g dry	3.08E1		4/23/08	8I19001	AGG-RRL-002
HEIS No.	B1T1H4	Lab ID: 0802022-07						
12587-47-2	Gross Beta	2.15E2	pCi/g dry	6.61E1	6.84E0	4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	8.46E1	pCi/g dry	2.61E1	3.38E0	4/23/08	8I19001	AGG-RRL-002
HEIS No.	B1T1H6	Lab ID: 0802022-11						
12587-47-2	Gross Beta	1.09E2	pCi/g dry	6.53E1	6.03E0	4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	7.33E1	pCi/g dry	2.58E1	3.22E0	4/23/08	8I19001	AGG-RRL-002
HEIS No.	B1T1D8	Lab ID: 0802024-15						
12587-47-2	Gross Beta	<5.05E1	pCi/g dry	5.05E1		4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	<1.99E1	pCi/g dry	1.99E1		4/23/08	8I19001	AGG-RRL-002
HEIS No.	B1T1F0	Lab ID: 0802024-18						
12587-47-2	Gross Beta	<6.47E1	pCi/g dry	6.47E1		4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	<2.56E1	pCi/g dry	2.56E1		4/23/08	8I19001	AGG-RRL-002
HEIS No.	B1T1F6	Lab ID: 0802024-27						
12587-47-2	Gross Beta	<6.27E1	pCi/g dry	6.27E1		4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	<2.48E1	pCi/g dry	2.48E1		4/23/08	8I19001	AGG-RRL-002
HEIS No.	B1T1M0	Lab ID: 0802024-56						
12587-47-2	Gross Beta	<5.27E1	pCi/g dry	5.27E1		4/23/08	8I19001	AGG-RRL-002
12587-46-1	Gross Alpha	<2.08E1	pCi/g dry	2.08E1		4/23/08	8I19001	AGG-RRL-002

Wet Chemistry - Quality Control

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 8C28004 - 1:1 Water Extract (pH_EC_Alk)									
Blank (8C28004-BLK1)					Prepared & Analyzed: 03/28/08				
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm						
Duplicate (8C28004-DUP1)					Source: 0802013-12 Prepared & Analyzed: 03/28/08				
Specific Conductance (EC)	<1.00E-2	1.00E-2	mS/cm		3.15E-1			35	
Duplicate (8C28004-DUP2)					Source: 0802024-18 Prepared & Analyzed: 03/28/08				
Specific Conductance (EC)	4.15E-1	1.00E-2	mS/cm		4.60E-1		10.3	35	
pH	8.19E0	N/A	pH Units		8.13E0		0.735	35	
Batch 8C31001 - 1:1 Water Extract (pH_EC_Alk)									
Blank (8C31001-BLK1)					Prepared & Analyzed: 03/31/08				
Alkalinity as CaCO ₃	<2.35E1	2.35E1	ug/g wet						
Duplicate (8C31001-DUP1)					Source: 0802024-18 Prepared & Analyzed: 03/31/08				
Alkalinity as CaCO ₃	7.15E1	2.35E1	ug/g dry		7.16E1		0.141	35	

Anions by Ion Chromatography - Quality Control

Environmental Science Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8C28005 - 1:1 Water Extract (IC)										
Blank (8C28005-BLK1)				Prepared: 03/28/08 Analyzed: 03/29/08						
Fluoride	<2.00E-1	2.00E-1	ug/g wet							
Chloride	<5.00E-1	5.00E-1	"							
Nitrite	<1.00E0	1.00E0	"							
Bromide	<1.00E0	1.00E0	"							
Nitrate	<1.00E0	1.00E0	"							
Sulfate	<1.50E0	1.50E0	"							
Phosphate	<1.50E0	1.50E0	"							
LCS (8C28005-BS1)				Prepared: 03/28/08 Analyzed: 03/29/08						
Fluoride	2.07E0	2.00E-1	ug/g wet	2.00E0		103	80-120			
Chloride	4.87E0	5.00E-1	"	5.00E0		97.4	80-120			
Nitrite	1.05E1	1.00E0	"	1.00E1		105	80-120			
Bromide	9.68E0	1.00E0	"	1.00E1		96.8	80-120			
Nitrate	1.04E1	1.00E0	"	1.00E1		104	80-120			
Sulfate	1.51E1	1.50E0	"	1.51E1		99.9	80-120			
Phosphate	1.46E1	1.50E0	"	1.51E1		97.0	80-120			
Duplicate (8C28005-DUP1)				Source: 0802024-18		Prepared: 03/28/08 Analyzed: 03/29/08				
Fluoride	4.33E-1	2.00E-1	ug/g dry		4.11E-1			5.32	35	
Chloride	1.47E1	5.01E-1	"		1.69E1			13.6	35	
Nitrite	<1.00E0	1.00E0	"		ND				35	
Bromide	<1.00E0	1.00E0	"		ND				35	
Nitrate	1.52E1	1.00E0	"		1.86E1			19.8	35	
Sulfate	<1.50E0	1.50E0	"		9.91E1				35	
Phosphate	<1.50E0	1.50E0	"		ND				35	
Post Spike (8C28005-PS1)				Source: 0802013-12		Prepared & Analyzed: 03/28/08				
Fluoride	4.26E-1	N/A	ug/mL	4.00E-1	3.80E-2	97	75-125			
Chloride	2.28E0	N/A	"	1.00E0	1.32E0	95.9	75-125			
Nitrite	1.95E0	N/A	"	2.00E0	ND	97.7	75-125			
Bromide	1.87E0	N/A	"	2.00E0	ND	93.5	75-125			
Nitrate	2.65E0	N/A	"	2.00E0	8.81E-1	88.2	75-125			
Phosphate	2.79E0	N/A	"	3.00E0	ND	93.1	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
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Batch 8D28004 - 1:1 Water Extract (ICP/ICPMS)

Blank (8D28004-BLK1)

Prepared: 04/28/08 Analyzed: 05/01/08

Aluminum	<8.58E-2	8.58E-2	ug/g wet
Calcium	<3.87E-1	3.87E-1	"
Cobalt	<9.60E-2	9.60E-2	"
Chromium	<3.33E-2	3.33E-2	"
Copper	<8.04E-2	8.04E-2	"
Iron	<1.42E-1	1.42E-1	"
Potassium	<2.33E0	2.33E0	"
Magnesium	<8.34E-2	8.34E-2	"
Manganese	<1.71E-2	1.71E-2	"
Nickel	<9.33E-2	9.33E-2	"
Selenium	<1.95E0	1.95E0	"
Vanadium	<4.53E-2	4.53E-2	"
Zinc	1.96E-1	9.27E-2	"
Sodium	<6.69E-1	6.69E-1	"

LCS (8D28004-BS1)

Prepared: 04/28/08 Analyzed: 05/01/08

Aluminum	4.78E0	8.58E-2	ug/g wet	5.00E0	95.8	80-120
Calcium	4.53E0	3.87E-1	"	5.00E0	90.7	80-120
Cobalt	4.74E0	9.60E-2	"	5.00E0	94.9	80-120
Chromium	5.02E0	3.33E-2	"	5.00E0	101	80-120
Copper	4.79E0	8.04E-2	"	5.00E0	95.8	80-120
Iron	4.86E0	1.42E-1	"	5.00E0	97.4	80-120
Potassium	4.72E1	2.33E0	"	5.00E1	94.5	80-120
Magnesium	4.73E0	8.34E-2	"	5.00E0	94.8	80-120
Manganese	4.91E0	1.71E-2	"	5.00E0	98.2	80-120
Nickel	4.92E0	9.33E-2	"	5.00E0	98.4	80-120
Selenium	5.13E0	1.95E0	"	5.00E0	103	80-120
Vanadium	4.79E0	4.53E-2	"	5.00E0	95.8	80-120
Zinc	4.88E0	9.27E-2	"	5.00E0	97.8	80-120
Sodium	5.06E0	6.69E-1	"	5.00E0	101	80-120

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8D28004 - 1:1 Water Extract (ICP/ICPMS)

Duplicate (8D28004-DUP1)		Source: 0802024-18		Prepared: 04/28/08		Analyzed: 05/01/08				
Aluminum	<8.59E-2	8.59E-2	ug/g dry		ND				35	
Calcium	3.31E1	3.87E-1	"		3.75E1			12.5	35	
Cobalt	<9.61E-2	9.61E-2	"		ND				35	
Chromium	<3.33E-2	3.33E-2	"		ND				35	
Copper	<8.05E-2	8.05E-2	"		ND				35	
Iron	<1.42E-1	1.42E-1	"		ND				35	
Potassium	6.28E0	2.33E0	"		6.01E0			4.45	35	
Magnesium	9.26E0	8.35E-2	"		1.04E1			12.0	35	
Manganese	<1.71E-2	1.71E-2	"		ND				35	
Nickel	<9.34E-2	9.34E-2	"		ND				35	
Selenium	<1.95E0	1.95E0	"		ND				35	
Vanadium	<4.53E-2	4.53E-2	"		ND				35	
Zinc	<9.28E-2	9.28E-2	"		ND				35	
Sodium	2.41E1	6.70E-1	"		2.59E1			7.03	35	

Post Spike (8D28004-PS1)		Source: 0802022-11		Prepared: 04/28/08		Analyzed: 05/01/08				
Aluminum	5.40E2	N/A	ug/L	5.00E2	3.38E1	101	75-125			
Calcium	5.57E4	N/A	"	5.00E2	5.34E4	464	75-125			
Cobalt	2.41E2	N/A	"	2.50E2	3.22E0	95.2	75-125			
Chromium	1.17E2	N/A	"	1.25E2	ND	103	75-125			
Copper	5.30E2	N/A	"	5.00E2	3.38E1	99.3	75-125			
Iron	5.05E2	N/A	"	5.00E2	ND	101	75-125			
Potassium	6.29E3	N/A	"	1.25E3	4.95E3	107	75-125			
Magnesium	3.02E4	N/A	"	5.00E2	2.89E4	249	75-125			
Manganese	2.69E2	N/A	"	2.50E2	1.66E1	101	75-125			
Nickel	4.87E2	N/A	"	5.00E2	1.85E0	97	75-125			
Selenium	5.61E2	N/A	"	5.00E2	2.25E1	108	75-125			
Vanadium	1.24E2	N/A	"	2.50E2	ND	98.1	75-125			
Zinc	3.36E2	N/A	"	2.50E2	3.68E1	120	75-125			
Sodium	3.02E4	N/A	"	5.00E2	2.87E4	298	75-125			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8E12002 - ASTM D 5198 (ICP/ICPMS)

Blank (8E12002-BLK1)

Prepared: 05/12/08 Analyzed: 06/13/08

Aluminum	<5.07E-1	5.07E-1	ug/g wet
Barium	<4.83E-2	4.83E-2	"
Calcium	<1.88E0	1.88E0	"
Cobalt	<1.05E-1	1.05E-1	"
Chromium	<4.21E-2	4.21E-2	"
Copper	<4.49E-1	4.49E-1	"
Iron	<1.29E0	1.29E0	"
Potassium	<1.19E0	1.19E0	"
Magnesium	<3.99E-1	3.99E-1	"
Manganese	<1.51E-2	1.51E-2	"
Nickel	<1.04E-1	1.04E-1	"
Selenium	<1.76E0	1.76E0	"
Vanadium	<4.69E-2	4.69E-2	"
Zinc	<7.90E-2	7.90E-2	"
Sodium	<1.35E1	1.35E1	"

Blank (8E12002-BLK2)

Prepared: 05/12/08 Analyzed: 06/13/08

Aluminum	<5.10E-1	5.10E-1	ug/g wet
Barium	<4.86E-2	4.86E-2	"
Calcium	<1.90E0	1.90E0	"
Cobalt	<1.06E-1	1.06E-1	"
Chromium	<4.24E-2	4.24E-2	"
Copper	<4.52E-1	4.52E-1	"
Iron	<1.30E0	1.30E0	"
Potassium	<1.20E0	1.20E0	"
Magnesium	<4.01E-1	4.01E-1	"
Manganese	<1.52E-2	1.52E-2	"
Nickel	<1.04E-1	1.04E-1	"
Selenium	<1.77E0	1.77E0	"
Vanadium	<4.72E-2	4.72E-2	"
Zinc	<7.96E-2	7.96E-2	"
Sodium	<1.36E1	1.36E1	"

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8E12002 - ASTM D 5198 (ICP/ICPMS)

LCS (8E12002-BS1)

Prepared: 05/12/08 Analyzed: 06/13/08

Aluminum	4.90E0	1.43E-1	ug/g wet	5.00E0		98.1	80-120			
Barium	5.26E0	1.36E-2	"	5.00E0		105	80-120			
Calcium	5.10E0	5.31E-1	"	5.00E0		102	80-120			
Cobalt	5.18E0	2.97E-2	"	5.00E0		104	80-120			
Chromium	5.25E0	1.19E-2	"	5.00E0		105	80-120			
Copper	5.28E0	1.27E-1	"	5.00E0		106	80-120			
Iron	5.35E0	3.63E-1	"	5.00E0		107	80-120			
Potassium	5.26E1	3.37E-1	"	5.00E1		105	80-120			
Magnesium	4.90E0	1.12E-1	"	5.00E0		98.0	80-120			
Manganese	5.33E0	4.25E-3	"	5.00E0		107	80-120			
Nickel	5.29E0	2.92E-2	"	5.00E0		106	80-120			
Selenium	4.57E0	4.96E-1	"	5.00E0		91.4	80-120			
Vanadium	5.29E0	1.32E-2	"	5.00E0		106	80-120			
Zinc	4.83E0	2.23E-2	"	5.00E0		96.7	80-120			
Sodium	5.74E0	3.80E0	"	5.00E0		115	80-120			

LCS (8E12002-BS2)

Prepared: 05/12/08 Analyzed: 06/13/08

Aluminum	4.83E0	1.44E-1	ug/g wet	5.00E0		96.6	80-120			
Barium	5.07E0	1.37E-2	"	5.00E0		101	80-120			
Calcium	4.90E0	5.33E-1	"	5.00E0		98.0	80-120			
Cobalt	5.08E0	2.98E-2	"	5.00E0		102	80-120			
Chromium	5.23E0	1.19E-2	"	5.00E0		105	80-120			
Copper	5.18E0	1.27E-1	"	5.00E0		104	80-120			
Iron	5.27E0	3.65E-1	"	5.00E0		105	80-120			
Potassium	5.06E1	3.38E-1	"	5.00E1		101	80-120			
Magnesium	4.82E0	1.13E-1	"	5.00E0		96.4	80-120			
Manganese	5.24E0	4.27E-3	"	5.00E0		105	80-120			
Nickel	5.17E0	2.93E-2	"	5.00E0		103	80-120			
Selenium	4.93E0	4.98E-1	"	5.00E0		98.7	80-120			
Vanadium	5.21E0	1.33E-2	"	5.00E0		104	80-120			
Zinc	4.81E0	2.24E-2	"	5.00E0		96.3	80-120			
Sodium	5.46E0	3.82E0	"	5.00E0		109	80-120			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8E12002 - ASTM D 5198 (ICP/ICPMS)

Duplicate (8E12002-DUP1)		Source: 0802024-18		Prepared: 05/12/08		Analyzed: 06/13/08				
Aluminum	8.00E3	4.27E1	ug/g dry		7.84E3			2.02	35	
Barium	6.76E1	4.07E0	"		6.77E1			0.147	35	
Calcium	7.76E3	1.59E2	"		7.08E3			9.07	35	
Cobalt	<8.86E0	8.86E0	"		ND				35	
Chromium	1.45E1	3.55E0	"		1.50E1			3.42	35	
Copper	<3.78E1	3.78E1	"		ND				35	
Iron	1.36E4	1.09E2	"		1.33E4			2.44	35	
Potassium	1.57E3	1.01E2	"		1.54E3			1.91	35	
Magnesium	5.24E3	3.36E1	"		5.12E3			2.40	35	
Manganese	3.69E2	1.27E0	"		3.34E2			10.1	35	
Nickel	1.79E1	8.73E0	"		1.76E1			1.79	35	
Selenium	<1.48E2	1.48E2	"		ND				35	
Vanadium	1.60E1	3.95E0	"		1.58E1			1.01	35	
Zinc	3.75E1	6.66E0	"		3.70E1			1.33	35	
Sodium	<1.14E3	1.14E3	"		ND				35	

Duplicate (8E12002-DUP2)		Source: 0802028-03		Prepared: 05/12/08		Analyzed: 06/13/08				
Aluminum	1.08E4	4.32E1	ug/g dry		9.98E3			7.44	35	
Barium	8.15E1	4.12E0	"		7.27E1			11.4	35	
Calcium	1.02E4	1.61E2	"		9.80E3			4.49	35	
Cobalt	9.71E0	8.97E0	"		ND				35	
Chromium	2.06E1	3.59E0	"		1.82E1			12.0	35	
Copper	<3.83E1	3.83E1	"		ND				35	
Iron	1.64E4	1.10E2	"		1.52E4			7.91	35	
Potassium	1.94E3	1.02E2	"		1.84E3			5.48	35	
Magnesium	6.56E3	3.40E1	"		6.06E3			8.00	35	
Manganese	4.13E2	1.29E0	"		4.00E2			3.24	35	
Nickel	2.38E1	8.84E0	"		2.15E1			10.3	35	
Selenium	<1.50E2	1.50E2	"		ND				35	
Vanadium	1.95E1	4.00E0	"		1.91E1			1.96	35	
Zinc	4.67E1	6.74E0	"		4.61E1			1.27	35	
Sodium	<1.15E3	1.15E3	"		ND				35	

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8E12002 - ASTM D 5198 (ICP/ICPMS)

Post Spike (8E12002-PS1)	Source: 0802024-18			Prepared: 05/12/08		Analyzed: 06/13/08				
Aluminum	1.89E4	N/A	ug/L	5.00E2	1.78E4	227	75-125			
Barium	3.82E2	N/A	"	2.50E2	1.53E2	91.5	75-125			
Calcium	1.71E4	N/A	"	5.00E2	1.61E4	212	75-125			
Cobalt	2.59E2	N/A	"	2.50E2	1.66E1	96.9	75-125			
Chromium	1.55E2	N/A	"	1.25E2	3.40E1	97.1	75-125			
Copper	5.13E2	N/A	"	5.00E2	2.82E1	97	75-125			
Iron	3.17E4	N/A	"	5.00E2	3.02E4	316	75-125			
Potassium	4.72E3	N/A	"	1.25E3	3.50E3	98	75-125			
Magnesium	1.26E4	N/A	"	5.00E2	1.16E4	192	75-125			
Manganese	1.03E3	N/A	"	2.50E2	7.57E2	111	75-125			
Nickel	5.32E2	N/A	"	5.00E2	3.99E1	98.5	75-125			
Selenium	5.17E2	N/A	"	5.00E2	ND	117	75-125			
Vanadium	2.83E2	N/A	"	2.50E2	3.59E1	99	75-125			
Zinc	3.31E2	N/A	"	2.50E2	8.39E1	98.8	75-125			
Sodium	8.53E2	N/A	"	5.00E2	3.88E2	92.9	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 8E15002 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E15002-BLK1)				Prepared: 05/15/08 Analyzed: 05/16/08						
Technetium-99	<1.22E-3	1.22E-3	ug/g wet							
Uranium 238	<8.86E-3	8.86E-3	"							
Blank (8E15002-BLK2)				Prepared: 05/15/08 Analyzed: 05/16/08						
Technetium-99	<1.23E-3	1.23E-3	ug/g wet							
Uranium 238	<8.93E-3	8.93E-3	"							
Duplicate (8E15002-DUP1)				Source: 0802024-18		Prepared: 05/15/08 Analyzed: 05/16/08				
Technetium-99	<5.14E-3	5.14E-3	ug/g dry		ND				35	
Uranium 238	6.80E-1	3.74E-2	"		6.99E-1			2.66	35	
Duplicate (8E15002-DUP2)				Source: 0802028-03		Prepared: 05/15/08 Analyzed: 05/16/08				
Technetium-99	<5.21E-3	5.21E-3	ug/g dry		ND				35	
Uranium 238	7.10E-1	3.78E-2	"		6.67E-1			6.23	35	
Post Spike (8E15002-PS1)				Source: 0802024-18		Prepared: 05/15/08 Analyzed: 05/16/08				
Technetium-99	5.39E-1	N/A	ug/L	5.00E-1	2.90E-3	107	75-125			
Uranium 238	2.08E0	N/A	"	5.00E-1	1.58E0	100	75-125			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8D15001 - 1:1 Water Extract (ICP/ICPMS)										
Blank (8D15001-BLK1)				Prepared & Analyzed: 04/15/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Blank (8D15001-BLK2)				Prepared & Analyzed: 04/15/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g wet							
Uranium 238	<5.64E-4	5.64E-4	"							
Duplicate (8D15001-DUP2)		Source: 0802024-18		Prepared & Analyzed: 04/15/08						
Technetium-99	<2.30E-5	2.30E-5	ug/g dry		ND				35	
Uranium 238	7.68E-3	5.64E-4	"		1.16E-2			40.8	35	
Post Spike (8D15001-PS2)		Source: 0802024-18		Prepared & Analyzed: 04/15/08						
Technetium-99	5.05E-1	N/A	ug/L	5.00E-1	1.72E-3	101	75-125			
Uranium 238	3.02E0	N/A	"	5.00E-1	2.32E0	140	75-125			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 8D07004 - 1:1 Water Extract (ICP/ICPMS)									
Blank (8D07004-BLK1)					Prepared: 04/07/08 Analyzed: 04/14/08				
Silver	<1.07E-3	1.07E-3	ug/g wet						
Cadmium	<2.95E-4	2.95E-4	"						
Antimony	<5.40E-4	5.40E-4	"						
Blank (8D07004-BLK2)					Prepared: 04/07/08 Analyzed: 04/24/08				
Silver	<1.07E-3	1.07E-3	ug/g wet						
Cadmium	<2.95E-4	2.95E-4	"						
Antimony	<5.40E-4	5.40E-4	"						
LCS (8D07004-BS1)					Prepared: 04/07/08 Analyzed: 04/14/08				
Silver	4.01E0	1.07E-1	ug/g wet	5.00E0		80.2	80-120		
Cadmium	4.42E0	2.95E-2	"	5.00E0		88.3	80-120		
Antimony	4.39E0	5.40E-2	"	5.00E0		87.8	80-120		
LCS (8D07004-BS2)					Prepared: 04/07/08 Analyzed: 04/24/08				
Silver	4.81E0	1.07E-1	ug/g wet	5.00E0		96.2	80-120		
Cadmium	4.89E0	2.95E-2	"	5.00E0		97.8	80-120		
Antimony	4.62E0	5.40E-2	"	5.00E0		92.5	80-120		
Duplicate (8D07004-DUP1)					Source: 0802028-03		Prepared: 04/07/08 Analyzed: 04/14/08		
Silver	<4.27E-3	4.27E-3	ug/g dry		ND			35	
Cadmium	<1.18E-3	1.18E-3	"		ND			35	
Antimony	<2.15E-3	2.15E-3	"		ND			35	
Duplicate (8D07004-DUP2)					Source: 0802024-18		Prepared: 04/07/08 Analyzed: 04/24/08		
Silver	<1.26E-3	1.26E-3	ug/g dry		ND			35	
Cadmium	<3.47E-4	3.47E-4	"		ND			35	
Antimony	<6.36E-4	6.36E-4	"		ND			35	

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
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Batch 8D07004 - 1:1 Water Extract (ICP/ICPMS)

Post Spike (8D07004-PS2)

Source: 0802024-18

Prepared: 04/07/08 Analyzed: 04/24/08

Silver	4.70E0	N/A	ug/L	5.00E0	5.15E-3	93.8	75-125			
Cadmium	4.88E0	N/A	"	5.00E0	4.18E-2	96.7	75-125			
Antimony	4.94E0	N/A	"	5.00E0	9.67E-2	96.9	75-125			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8E15001 - ASTM D 5198 (ICP/ICPMS)										
Blank (8E15001-BLK1)				Prepared: 05/14/08 Analyzed: 06/03/08						
Cadmium	<1.45E-2	1.45E-2	ug/g wet							
Antimony	<2.34E-2	2.34E-2	"							
Blank (8E15001-BLK2)				Prepared: 05/14/08 Analyzed: 06/03/08						
Cadmium	<1.46E-2	1.46E-2	ug/g wet							
Antimony	<2.36E-2	2.36E-2	"							
LCS (8E15001-BS1)				Prepared: 05/14/08 Analyzed: 06/03/08						
Cadmium	4.58E0	7.14E-2	ug/g wet	5.00E0		91.6	80-120			
Antimony	4.55E0	1.15E-1	"	5.00E0		91.1	80-120			
LCS (8E15001-BS2)				Prepared: 05/14/08 Analyzed: 06/03/08						
Cadmium	4.65E0	7.17E-2	ug/g wet	5.00E0		92.9	80-120			
Antimony	4.48E0	1.16E-1	"	5.00E0		89.6	80-120			
Duplicate (8E15001-DUP1)		Source: 0802024-18		Prepared: 05/14/08 Analyzed: 06/03/08						
Cadmium	1.07E-1	6.10E-2	ug/g dry		1.15E-1			7.80	35	
Antimony	<9.86E-2	9.86E-2	"		ND				35	
Duplicate (8E15001-DUP2)		Source: 0802028-03		Prepared: 05/14/08 Analyzed: 06/03/08						
Cadmium	1.58E-1	6.17E-2	ug/g dry		1.64E-1			4.01	35	
Antimony	<9.97E-2	9.97E-2	"		ND				35	
Post Spike (8E15001-PS1)		Source: 0802024-18		Prepared: 05/14/08 Analyzed: 06/03/08						
Cadmium	4.59E0	N/A	ug/L	5.00E0	2.62E-1	86.6	75-125			
Antimony	3.99E0	N/A	"	5.00E0	2.60E-2	79.3	75-125			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 8I19001 - ASTM D 5198 (RadChem)									
Blank (8I19001-BLK1)					Prepared: 04/22/08 Analyzed: 04/23/08				
Gross Beta	<1.47E1	1.47E1	pCi/g wet						
Gross Alpha	<5.81E0	5.81E0	"						
Duplicate (8I19001-DUP1)					Source: 0802024-18 Prepared: 04/22/08 Analyzed: 04/23/08				
Gross Beta	<6.39E1	6.39E1	pCi/g dry		ND			35	
Gross Alpha	<2.52E1	2.52E1	"		ND			35	

CORE LOG

Boring/Well No C5858 / 291-E33-343 Depth 89-118 Date _____
Location BP-5 A borehole Project _____Sheet
2 of 8Logged by Michelle Valencia Michelle ValeroReviewed by _____ Date 3/12/08Lithologic Class. Scheme Folk - Wentworth Procedure _____Drilling Contractor _____
Driller _____
Drill Method _____DEPTH (ft) SAMPLES MOIS. GRAPHIC LOG
TYPE ID NUMBER TURE C Z S GLITHOLOGIC DESCRIPTION
(particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)

COMMENTS

90-6 BIT 148 SM

5" med. to coarse sand, trace gravel, max. part. = 9mm, med. sorted, 100% mafic, 2.5Y 4/2 cl. grayish brown. weak rxn. to HCl.

grab samples 1L poly bottles

93-6 BIT 149 SM

same as above. max. part. = 6mm.

95-6 BIT 150 SM

same as above. max. part. = v. coarse sand.

98-6 BIT 151 SM

same as above. max. part. = 5mm. med. rxn. to HCl.

100-6 BIT 152 M

S-med. sand, trace fines. well-sorted. max. part. = med. sand, 100% mafic, 2.5Y 5/2 (grayish brown). med. rxn. to HCl.

103-6 BIT 154 SM

S-coarse sand, well-sorted, 100% mafic, max. part. = 4mm, 2.5Y 4/2 cl. grayish brown. weak rxn. to HCl.

105-6 BIT 156 SM

S-coarse sand, trace gravel, well-sorted, max. part. = v. coarse sand, 2.5Y 4/2 cl. dk. grayish brown. 50% mafic, weak rxn. to HCl.

same aggregates.

108-6 BIT 158 SM

S-med. to coarse sand, well-sorted, max. part. = v. coarse sand, 2.5Y 5/2 (grayish brown). 100% mafic, med. rxn. to HCl. aggregates.

110-6 BIT 160 SM

same as above. weak rxn. to HCl.

113-6 BIT 162 SM

same as above.

115-6 BIT 164 SM

S-med. sand, trace fines, well-sorted, 20% mafic, max. part. = coarse sand, 2.5Y 5/2 (grayish brown). weak rxn. to HCl. aggregates.

118-6 BIT 166 SM

S-med. to coarse sand, well-sorted, 20% mafic, max. part. = coarse sand, 2.5Y 5/2 (grayish brown). weak rxn. to HCl.

CORE LOG

Boring/Well No C6858 / 220-E33-343Depth 119-145 Date _____Sheet 3 of 8Location BP-5 A borehole

Project _____

Logged by Michelle Valera

Reviewed by _____

Date 3/12/08

Lithologic Class. Scheme

Folk - Wittenborn

Procedure _____

Rev _____

Drilling Contractor _____

Driller _____

Drill Method _____

DEPTH (ft) TYPE SAMPLES ID NUMBER MOIS- TURE GRAPHIC LOG

LITHOLOGIC DESCRIPTION
(particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)

COMMENTS

120-6 BIT 1168 U

S-fine to med. sand, trace fines, well-sorted. 10% mafic, max. part. = coarse sand. 2.5x 4/2 (dk. grayish brown). mod. rxn to HCl.

4- grab samples in 1' L poly bottle

123-6 BIT 1170 M

same as above. mod. rxn to HCl.

125-6 BIT 1172 SM

S-med. to coarse sand, trace gravel, med. sorted. 20% mafic, max. part. = 12mm. 2.5x 4/2 (dk. grayish brown). weak rxn to HCl, aggregates.

128-6 BIT 1174 D

S-med. to coarse sand, trace gravel, max. part. = 3mm, med. sorted. 50% mafic. 2.5x 5/2 (grayish brown). mod. rxn to HCl, aggregates.

130-6 BIT 1176 D

S. coarse sand, well-sorted. 40% mafic, max. part. = v. coarse sand. 2.5x 5/2 (grayish brown). weak rxn to HCl.

133-6 BIT 1178 D

same as above. aggregates.

135-6 BIT 1180 D

S-coarse sand, well-sorted. 70% mafic, max. part. = v. coarse sand. 2.5x 5/2 (grayish brown). mod. rxn to HCl, aggregates.

138-6 BIT 1182 D

S-coarse to v. coarse sand, well-sorted. 70% mafic, max. part. = 4mm. trace gravel. 2.5x 4/2 (dk. grayish brown). weak rxn to HCl.

140-6 BIT 1184 D

S-coarse sand, well-sorted. 60% mafic, max. part. = 5mm, trace gravel. 2.5x 4/2 (dk. grayish brown). weak rxn to HCl, aggregates.

143-6 BIT 1186 D

S-med. sand. 60% mafic, well-sorted. max. part. = 8mm (trace gravel). 2.5x 5/2 (grayish brown). weak rxn to HCl, aggregates.

145-6 BIT 1188 D

S-med. to coarse sand, well-sorted. max. part. = 3mm, 2.5x 5/2 (grayish brown). weak rxn to HCl, aggregates.

CORE LOG

Boring/Well No. 05858/299-E33-343Depth 141-158 Date Sheet
4 of 8Location SP-5 A boreholeProject Logged by Nicole Yakima Michelle ValioReviewed by Date 3/12/08Lithologic Class. Scheme Folk-MentworthProcedure Rev Drilling Contractor Driller Drill Method

DEPTH (ft) TYPE ID NUMBER MOISTURE GRAPHIC LOG

LITHOLOGIC DESCRIPTION
(particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)

COMMENTS

148-6 BIT189 SM

8 coarse sand, well sorted. 40% mafic. max. part. = coarse sand. 2.5% 4/20-4/240 grayish brown. well rxn to HCl.

150-6 BIT190 SM

same as above.

153-6 BIT191 D

5 med. sand, well sorted. 30% mafic. max. part. = coarse sand. 2.5% 5/12 grayish brown. mod. rxn to HCl. mod. consol. aggregates.

155-6 BIT192 SM

5 coarse sand, trace gravel. max. part. = 5mm. 20% mafic. 2.5% 4/20-4/240 grayish brown. well rxn to HCl.

158-6 BIT194 SM

same as above. max. part. = 1/4 coarse sand.

CORE LOG

Boring/Well No C5858/299-E33-343Depth 159-183 Date _____Sheet
5 of 8

Location

SP-5 A Borinek

Project

Logged by

Michelle Munka11/10/08SPNSPNSPNSPNSPNSPNSPNSPNSPNSPN

Reviewed by

Michelle Munka11/10/08SPNSPNSPNSPNSPNSPNSPNSPNSPNSPNSPNSPNSPN

Lithologic Class. Scheme

Folk-MenthorSPNSPNSPNSPNSPNSPNSPNSPNSPNSPNSPNSPNSPN

DEPTH

SAMPLES

ID NUMBER

MOIS-

TUBE

GRAPHIC LOG

C

Z

S

G

LITHOLOGIC DESCRIPTION

(particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)

COMMENTS

1100-6 BIT 916

SM

S-coarse sand well-sorted. 40% mafic. max. part. = V, coarse sand. 2.5Y 5/2 (grayish brown). weak rxn to HCl.

1103-6 BIT 198

SM

S-med. to coarse sand. 30% mafic. well-sorted. max. part. = V, coarse sand. 2.5Y 5/2 (grayish brown). no rxn to HCl. aggregates

1105-6 BIT 180

SM

SAME AS ABOVE. more aggregates - strong rxn to HCl. S+ med. rxn to HCl

1108-6 BIT 182

D

S-coarse to V, coarse sand-45%. 5% gravel. max. part. = 15mm. 80% mafic. 2.5Y 4/2 (dk. grayish brown). weak rxn to HCl.

1109-6 BIT 184

D

S-fine to med. sand-45%. 5% z. max. part. = V, coarse sand. med. sorted. 2.5Y 4/2 (H. brownish gray). med. compacted. aggregates - strong rxn to HCl.

1113-6 BIT 186

D

SAME AS ABOVE. max. part. = 3mm. large pieces of mica visible.

1115-6 BIT 188

D

S-coarse sand-47%. 3% gravel. med. sorted. max. part. = 1mm. 70% mafic. 2.5Y 5/2 (grayish brown). weakly consol. aggregates - strong rxn to HCl.

1118-6 BIT 184

D

S-coarse to V, coarse sand. trace gravel. max. part. = 1mm. med. sorted. 40% mafic. salt-pepper look. 2.5Y 3/2 (v. dk. grayish brown). weak rxn to HCl.

1120-6 BIT 180

D

S-coarse sand, trace gravel. max. part. = 1mm. med. sorted. 40% mafic. 2.5Y 5/2 (grayish brown). weak rxn to HCl.

1123-6 BIT 181

D

S-fine to med. sand. trace fines + gravel. max. part. = 1mm. med. sorted. 2.5Y 5/2 (grayish brown). strong rxn to HCl. med. consol. aggregates - weak rxn to HCl.

CORE LOG

Boring/Well No
LocationC5858 / 299- E33. 343
BP-5 A boreholeDepth
Date184-201
2006/08Sheet
of

8

Logged by

Michelle Valente

Reviewed by

Michelle Valente

Lithologic Class. Scheme

Folk - Wentworth

Procedure

Rev

Drilling Contractor

Driller

Drill Method

DEPTH
(Ft)
TYPE
SAMPLES
ID NUMBER
MOIS-
TURE
GRAPHIC LOG
C Z S GLITHOLOGIC DESCRIPTION
(particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)

COMMENTS

185-6 BIT 1C2 D 5 med. to coarse sand. mod. sorted. max. part. = v. coarse sand. 30% mafic. 2.5Y 5/2 (grayish brown). mod. consol. aggregates. strong rxn to HCl.

188-6 BIT 1C3 D 5 coarse sand. trace gravel. mod. sorted. max. part. = 10mm. 70% mafic. 2.5Y 4/2 (dk. grayish brown). weak rxn to HCl.

190-6 BIT 1C4 D 5 med. to v. coarse sand - 45%, 50% G, poorly sorted. max. part. = 16mm. 2.5Y 4/2 (dk. grayish brown). weakly consol. aggregates w/ orange/red staining - strong rxn to HCl. sand - mod. rxn to HCl.

193-6 BIT 1C5 SM 5 med. to coarse sand. trace gravel. max. part. = 10mm. poorly sorted. 30% mafic. 2.5Y 4/2 (dk. grayish brown). weakly consol. aggregates. mod. rxn to HCl.

195-6 BIT 1C6 SM 5 med. to coarse sand. trace gravel. max. part. = 10mm. poorly sorted. 30% mafic. 2.5Y 4/2 (dk. grayish brown). weakly consol. aggregates. mod. rxn to HCl.

198-6 BIT 1C7 SM 5 coarse to v. coarse sand trace gravel. max. part. = 11mm. poorly sorted. 80% mafic. salt + pepper look. 2.5Y 3/2 (v. dk. grayish brown). weak rxn to HCl.

200-6 BIT 1C8 SM 5 coarse to v. coarse sand trace gravel. max. part. = 5mm. Same as above.

203-6 BIT 1C9 SM 5 med. to coarse sand. trace fines. mod. sorted. 60% mafic. max. part. = v. coarse sand. 2.5Y 4/2 (dk. grayish brown). mod. rxn to HCl. weakly consol. aggregates.

205-6 BIT 1D0 SM 5 med. to coarse sand. trace fines. mod. sorted. 60% mafic. max. part. = v. coarse sand. 2.5Y 4/2 (dk. grayish brown). mod. rxn to HCl. weakly consol. aggregates.

207-6 BIT 1D2 SM 5 med. to coarse sand. trace fines. mod. sorted. 60% mafic. max. part. = v. coarse sand. 2.5Y 4/2 (dk. grayish brown). mod. rxn to HCl. weakly consol. aggregates.

209-6 BIT 1D3 SM 5 med. to coarse sand. trace fines. mod. sorted. 60% mafic. max. part. = v. coarse sand. 2.5Y 4/2 (dk. grayish brown). mod. rxn to HCl. weakly consol. aggregates.

211-6 BIT 1D4 SM 5 med. to coarse sand. trace fines. mod. sorted. 60% mafic. max. part. = v. coarse sand. 2.5Y 4/2 (dk. grayish brown). mod. rxn to HCl. weakly consol. aggregates.

213-6 BIT 1D5 SM 5 med. to coarse sand. trace fines. mod. sorted. 60% mafic. max. part. = v. coarse sand. 2.5Y 4/2 (dk. grayish brown). mod. rxn to HCl. weakly consol. aggregates.

215-6 BIT 1D6 SM 5 med. to coarse sand. trace fines. mod. sorted. 60% mafic. max. part. = v. coarse sand. 2.5Y 4/2 (dk. grayish brown). mod. rxn to HCl. weakly consol. aggregates.

217-6 BIT 1D7 SM 5 med. to coarse sand. trace fines. mod. sorted. 60% mafic. max. part. = v. coarse sand. 2.5Y 4/2 (dk. grayish brown). mod. rxn to HCl. weakly consol. aggregates.

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

2006/08/FORMS/Corolog/001 (006/08)

CORE LOG

Boring/Well No. E5856 / 249-E33-243Depth 209-235 Date _____Sheet
7 of 8Logged by Michelle Valente

Reviewed by _____

Lithologic Class. Scheme

Folk - Wentworth

Procedure _____

Rev _____

Drilling Contractor _____

Driller _____

Drill Method _____

DEPTH (ft) TYPE SAMPLES ID NUMBER MOISTURE GRAPHIC LOG

(particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)

COMMENTS

210 - 6 BIT1D4 SM

S. med. to coarse sand. trace fines + gravel. max. part. = 1/16 in.
30% mafic. med. sorted. 2.5V 5/12 (grayish brown). max. rxn to HCl.
weakly concol. aggregates

212.5 - 6 BIT1D6 SM

S. med. sand. max. part. = coarse sand. well-sorted - 2.5V 5/12
(grayish brown). strong rxn to HCl. aggregates.

215 - 6 BIT1D8 SM

Same as above. max. part. = med. sand.

218 - 6 BIT1F0 M

S. fine to med. sand - 90% 10% Z. well-sorted. max. part. = med. sand.
2.5V 4/12 (dk. grayish brown). strong rxn to HCl. aggregates w/ fines
in center.

220 - 6 BIT1F2 M

lims. slightly muddy v. fine to fine sand - 90% 10% Z. well-sorted
max. part. = fine sand. 2.5V 4/12 (dk. grayish brown). strong rxn to HCl.
some staining.

222 - 6 BIT1F4 M

S. 95% fine sand, 5% Z. well-sorted. max. part. = fine sand - 2.5V 4/12
(dk. grayish brown). med. rxn to HCl.

228 - 6 BIT1F8 M

Same as above

230 - 6 BIT1H0 M

Same as above. strong rxn to HCl.

233 - 6 BIT1H2 W

Same as above.

235 - 6 BIT1H4 M

Same as above but more wet. weak rxn to HCl.
S. 90% v. fine to fine sand - 10% Z. well-sorted - max. part. = fine sand.
2.5V 4/12 (dk. grayish brown). strong rxn to HCl. mica visible.

CORE LOG

Boring/Well No 05858 / 20A-E33-343

Depth 237-251

Date

Sheet
8 of 8

Location BP-5A borehole

Logged by

Arielle Nakama Michelle Valio

Reviewed by

Lithologic Class. Scheme

Folk - Wentworth

Procedure

Date 3/13/08

Rev

Drilling Contractor

Driller

Drill Method

DEPTH (ft)

SAMPLES

MOIS

GRAPHIC LOG

LITHOLOGIC DESCRIPTION

COMMENTS

(ft)

TYPE

ID NUMBER

TURE

C

Z

S

G

(particle size distribution, sorting, mineralogy, roundness, color, reaction to HCl, maximum grain size, consolidation, structure, etc.)

238-6 BIT 116 U

same as above

240-6 BIT 118 D

(q) s. v. slightly gravelly sandy mud. 10% G, 40% S, 50% Z. poorly sorted. max. part. = 20mm. lots of strongly consol. aggregates. white substance in mud. mod. rxn to HCl. 2.5x 5/2 (grayish brown)

243-6 BIT 150 D

(q) s. slightly gravelly med. to coarse sand and gravel. 10% G, 10% H. poorly sorted. max. part. = 10mm. 2.5x 5/2 (grayish brown). strong rxn to HCl.

245-6 BIT 152 D

same as above. max. part. = 17mm.

248-6 BIT 154 D

(q) s. gravelly med. sand, 70% G, 30% S, max. part. = 21mm. v. poorly sorted. 10% med. gravel. 2.5x 6/2 (H. brownish gray). strong rxn to HCl.

250-6 BIT 156 D

(q) s. slightly gravelly med. sand. 10% G, 85% S, 5% Z. max. part. = 17mm. v. poorly sorted. 2.5x 4/2 (H. brownish gray). strong rxn to HCl. sand. aggregates w/ white substance. mod. rxn to HCl.

253-6 BIT 160 W

(q) s. sandy gravel ~ 80% G. max. part. = 22mm. poorly sorted. 2.5x 3/2 (v. dk. grayish brown).

251-6 BIT 160 M

(q) s. gravelly sand 30% G, 70% coarse sand. max. part. = 30mm. poorly sorted. 2.5x 2/2 (black).



C5858

Borehole ID

B1T128

Sample Number

60 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T129

Borehole ID

Sample Number

63 ft Grab

Depth from Chain-of-Custody

Sample



C5858 B1T130

Borehole ID

Sample Number

65 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5858

Borehole ID

B1T132

Sample Number

68 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T134

Sample Number

70 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T136

Borehole ID

Sample Number

73 ft Grab

Depth from Chain-of-Custody

Sample



C5858 B1T138

Borehole ID

Sample Number

75 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5858

Borehole ID

B1T140

Sample Number

78 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T142

Sample Number

80 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T144

Sample Number

83 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T146

Sample Number

85 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T147

Sample Number

88 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T148

Sample Number

90 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T149

Sample Number

93 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T150

Sample Number

95 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T151

Sample Number

98 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T152

Sample Number

100 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T154

Sample Number

103 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T156

Borehole ID

Sample Number

105 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5858

Borehole ID

B1T158

Sample Number

108 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T160

Sample Number

110 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T162

Sample Number

113 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T164

Sample Number

115 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T166

Sample Number

118 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T168

Sample Number

120 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T170

Sample Number

123 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T172

Sample Number

125 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T174

Sample Number

128 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T176

Borehole ID

Sample Number

130 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5858

Borehole ID

B1T178

Sample Number

133 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T180

Sample Number

135 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T182

Sample Number

138 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T184

Sample Number

140 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T186

Borehole ID

Sample Number

143 ft

Depth from Phil Gent Email

**Grab
Sample**



C5858

Borehole ID

B1T188

Sample Number

145 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T189

Borehole ID

Sample Number

148 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5858 B1T190

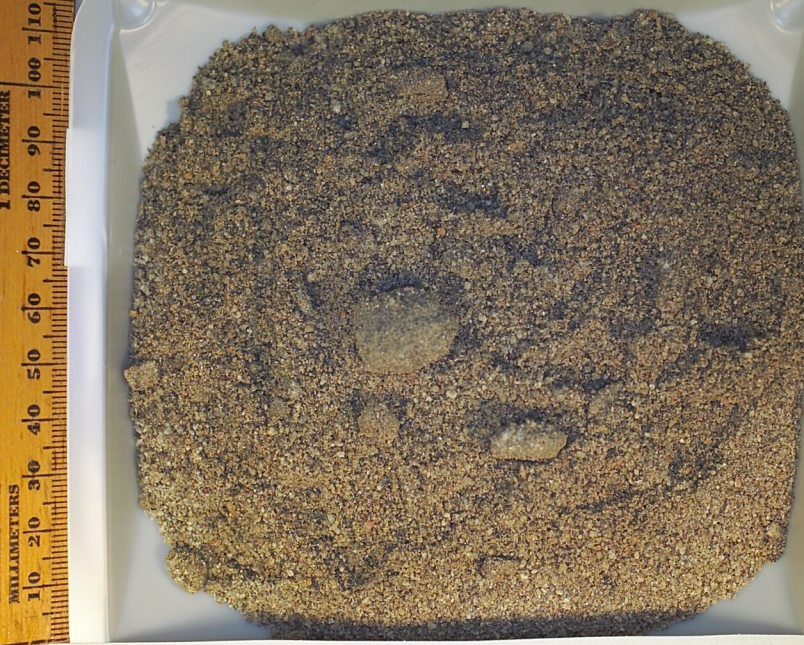
Borehole ID

Sample Number

150 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5858

Borehole ID

B1T191

Sample Number

153 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T192

Sample Number

155 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T194

Sample Number

158 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T196

Sample Number

160 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T198

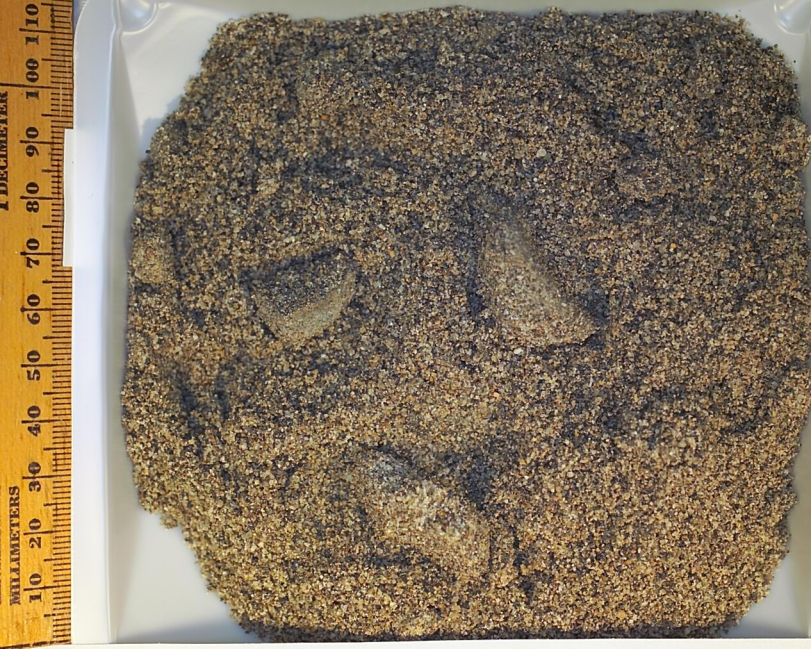
Borehole ID

Sample Number

163 ft Grab

Depth from Chain-of-Custody

Sample



C5858

Borehole ID

B1T1B0

Sample Number

165 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T1B2

Borehole ID

Sample Number

168 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5858

Borehole ID

B1T1B4

Sample Number

170 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T1B6

Sample Number

173 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T1B8

Sample Number

175 ft

Depth from Phil Gent Email

Grab

Sample



C5858 B1T1B9

Borehole ID

Sample Number

178 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T1C0

Sample Number

180 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T1C1

Sample Number

183 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 **B1T1C2**

Borehole ID

Sample Number

185 ft **Grab**

Depth from Chain-of-Custody

Sample



C5858

Borehole ID

B1T1C3

Sample Number

188 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T1C4

Borehole ID

Sample Number

190 ft Grab

Depth from Chain-of-Custody

Sample



C5858 B1T1C5

Borehole ID

Sample Number

193 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5858 B1T1C6

Borehole ID

Sample Number

195 ft Grab

Depth from Chain-of-Custody

Sample



C5858

Borehole ID

B1T1C7

Sample Number

198 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T1C8

Sample Number

200 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T1C9

Sample Number

203 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T1D0

Borehole ID

Sample Number

205 ft

Depth from Chain-of-Custody

Grab
Sample



C5858 B1T1D2

Borehole ID

Sample Number

205 - 207 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T1D4

Borehole ID

Sample Number

210 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5858 B1T1D6

Borehole ID

Sample Number

212.5 ~~210~~ ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T1D8

Borehole ID

Sample Number

215 ft

Depth from Phil Gent Email

Grab

Sample



C5858 B1T1F0

Borehole ID

Sample Number

218 ft Grab

Depth from Chain-of-Custody

Sample



C5858

Borehole ID

B1T1F2

Sample Number

220 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T1F4

Sample Number

222 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T1F6

Sample Number

225 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T1F8

Borehole ID

Sample Number

228 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T1H0

Sample Number

230 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T1H2

Borehole ID

Sample Number

233 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5858 B1T1H4

Borehole ID

Sample Number

235 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T1H6

Borehole ID

Sample Number

238 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5858 B1T1H8

Borehole ID

Sample Number

240 ft Grab

Depth from Phil Gent Email

Sample



C5858 B1T1J0

Borehole ID

Sample Number

243 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T1J2

Sample Number

245 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T1J4

Sample Number

248 ft

Depth from Chain-of-Custody

Grab

Sample



C5858

Borehole ID

B1T1J6

Sample Number

250 ft

Depth from Chain-of-Custody

Grab

Sample



C5858 B1T1M0

Borehole ID

Sample Number

253 ft

Depth from Chain-of-Custody

**Grab
Sample**



C5858

Borehole ID

B1T1K0

Sample Number

257 ft

Depth from Chain-of-Custody

Grab

Sample

COLLECTOR

NCO Sampler *Malik* *Itt Bailey*

SAMPLING LOCATION

I-32 *C5858* *108.1-110.6*

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

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
SF=Seiment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

PRESERVATION

None

None

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

TYPE OF CONTAINER

Split Spoon
LinerMoisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B11K6

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL INSTRUCTIONS
Moisture
Content - D2216;

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B11159

SOIL

1-23-08/017

✓

✓

CHAIN OF POSSESSION

SIGN/PRINT NAMES

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ESL 2920(3), 2921(2)

COLLECTOR

NCO Sampler Mark White Self Bailey

SAMPLING LOCATION

ICE CHEST NO. 1-33 65858 110.0'

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

14NF-N-503-

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SAMPLE ANALYSIS

1-129 by ICPMS
(Iodine-129)
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to BITTKS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

BITT160

SOIL

1-23-08 1029

CHAIN OF POSSESSION

SIGN/PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

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DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ESL 2922

LOT# 3207000 037910

NO 745 RECEIVED BY/STORED IN 1-23-08 1609
NO 745 RECEIVED BY/STORED IN 1-24-08 1245
NO 745 RECEIVED BY/STORED IN 1-24-08 1310
NO 745 RECEIVED BY/STORED IN 1-24-08 1310

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-33 25858 1/c, c'

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

FIELD LOGBOOK NO.

7NF-N-503-

ACTUAL SAMPLE DEPTH

COA

12351IES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE.

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-34

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

PRESERVATION

None

None

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

TYPE OF CONTAINER

Split Spoon
LinerMoisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

SEE ITEM (1) IN Moisture
SPECIAL Content - D2216,
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T161

SOIL

1-23-08

1031

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

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DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ESL 2923(3) 2924(2)

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

SAMPLING LOCATION

1-35

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

ICE CHEST NO.

15858

112.5'

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

N/A

N/A

MATRIX*

Contains 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

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1K6

SAMPLE ANALYSIS

1-129 by ICPMS
(100me-129)
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T162

SOIL

1-23-08 1110

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

LOT#
3207062 LOT#
027210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

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DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	<input type="checkbox"/>
I-35 25858 112.5'	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036		

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	HNF-N-503-		123511ES10	GOVERNMENT VEHICLE

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

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

SAMPLING LOCATION

1-36 C5858 112.6-115.1
ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B11K6

COMPANY CONTACT

TRENT, SJ

373-5869

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

HNF-N-503-

OFFSITE PROPERTY NO.

N/A

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

SAF NO.

F08-036

COA

12351IES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

SAMPLE NO.

B1T163

SOIL

MATRIX*

SAMPLE DATE

1-23-08 1142

SAMPLE TIME

✓

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM

DATE/TIME

SIGN/ PRINT NAMES

DATE/TIME

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ESL 2926(3) 2426(2)

FS 2928

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-37 *C5858*

ICE CHEST NO.

115.0'

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE (Gross alpha) BETA_AE (Gross beta) RADIOISOTOPES_ASTMAE (Technetium-99, Uranium-238) 6010M_ICP_ASTMAE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTMAE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTMAE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY (Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion) IC Anions - 9056_WE (Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate) TIC - 415.1M (Total Inorganic Carbon) TOC - 415.1 (Total organic carbon) pH (Water) - 9045_WE.

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

1-38 C-5858 114.8' - 117.3'

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.
F08-036

AIR QUALITY ☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

PRESERVATION

None

None

TYPE OF CONTAINER

Split Spoon
Liner

Moisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1K6

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS
Moisture
Content - D2216;

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T165

SOIL

1-23-08 1327

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

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

NA W. L. 11/23/08
RELINQUISHED BY/REMOVED FROM
11/23/08 1609
RECEIVED BY/STORED IN
No 748
1-23-08
1609
11/23/08 1245
RELINQUISHED BY/REMOVED FROM
11/23/08 1245
RECEIVED BY/STORED IN
Dennis A. 1245
131D
11/23/08 131D
RELINQUISHED BY/REMOVED FROM
11/23/08 131D
RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

SAMPLING LOCATION

1-39 *LA5858 117.51*

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

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

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

1-129 by ICNMS
 (Iodine-129)
 SEE ITEM (1) IN
 SPECIAL
 INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T166

SOIL

1-23-08 1343

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

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DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COMPANY CONTACT

TRENT, SJ
 373-5869

PROJECT COORDINATOR

TRENT, SJ
 PRICE CODE 8N

DATA TURNAROUND
 45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

FIELD LOGBOOK NO.

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

ACTUAL SAMPLE DEPTH

COA

BILL OF LADING/AIR BILL NO.

123511ES10

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

Lot # 3807012 02310

*Maletka, M. L. 1-23-08 1409
 RELINQUISHED BY/ REMOVED FROM
 DATE/TIME
 RECEIVED BY/STORED IN
 DATE/TIME
 NO 745 1-23-08 1409
 RELINQUISHED BY/ REMOVED FROM
 DATE/TIME
 RECEIVED BY/STORED IN
 DATE/TIME
 J. M. M. 1-23-08 1409
 RELINQUISHED BY/ REMOVED FROM
 DATE/TIME
 RECEIVED BY/STORED IN
 DATE/TIME
 Smith, A. 1-23-08 1409
 RELINQUISHED BY/ REMOVED FROM
 DATE/TIME
 RECEIVED BY/STORED IN
 DATE/TIME*

ESL 3931

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA

TURNAROUND

SAMPLING LOCATION

I-39

C5858

117.5'

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY☐

45 Days / 45 Days

ICE CHEST NO.**FIELD LOGBOOK NO.**

140JF-N-503-

ACTUAL SAMPLE DEPTH**COA**

123511E510

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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

MAWIKI 3648 Bay

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-40 C 5858 117.4 - 119.9

ICE CHEST NO.

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.
HNF-N-503-

SAF NO.
F08-036

AIR QUALITY
COA
123511ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS / REMARKS
Contains 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

Spill Spoon Moisture
Liner Resistant Cont

NO. OF CONTAINER(S)

2 1

VOLUME

1000g 200g

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

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

SEE ITEM (1) IN Moisture
SPECIAL Content - D2216;
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T167

SOIL

123-08 1400

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

Lo # 3207062

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

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DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY

RECEIVED BY

TITLE

DATE/TIME

SECTION

FINAL SAMPLE DISPOSITION

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

SAMPLING LOCATION

1-41 CS858

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNFF-N-503-

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

Contains 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

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B11K7

SAMPLE ANALYSIS

1-129 by ICPMS
(Iodine-129)
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

B11168

SAMPLE DATE

1-23-08

1407

SOIL

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

LOI 3307662 027210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MA LUKA MATL8000 1-23-08 1409

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

NO 745 1-23-08 1409

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-41

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

14NF-0-503-

ACTUAL SAMPLE DEPTH

COA

12351IES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

N/A

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADIO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE:

COLLECTOR

NCO Sampler

SAMPLING LOCATION

1-42

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

A=Air

DL=Drum

Liquids

DS=Drum

Solids

L=Liquid

O=Oil

S=Soil

SE=Sediment

T=Tissue

V=Vegetation

W=Water

WI=Wipe

X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1X7

COMPANY CONTACT

TRENT, SJ

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

HNFE-N-503-

OFFSITE PROPERTY NO.

N/A

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

SAF NO.

F08-036

COA

123511ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE

8N

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

DATA TURNAROUND

45 Days / 45 Days

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T169

SOIL

1-23-08

1420

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM

MA & K. + M. C. L. 1-23-08 1609

RELINQUISHED BY/REMOVED FROM

MOSES 1-23-08 1609

RELINQUISHED BY/REMOVED FROM

25. M. M. 1-23-08 1310

RELINQUISHED BY/REMOVED FROM

25. M. M. 1-23-08 1310

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

LABORATORY SECTION

RECEIVED BY

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

SIGN/ PRINT NAMES

RECEIVED BY/STORED IN

MA & K. + M. C. L. 1-23-08 1609

RECEIVED BY/STORED IN

MOSES 1-23-08 1609

RECEIVED BY/STORED IN

25. M. M. 1-23-08 1310

RECEIVED BY/STORED IN

25. M. M. 1-23-08 1310

RECEIVED BY/STORED IN

RELINQUISHED BY/STORED IN

RECEIVED BY/STORED IN

RELINQUISHED BY/STORED IN

RECEIVED BY/STORED IN

RELINQUISHED BY/STORED IN

TITLE

DISPOSED BY

SPECIAL INSTRUCTIONS

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

DATE/TIME

DATE/TIME

COLLECTOR

NCO Sampler

MAVITA Jett Bailey

COMPANY CONTACT
TRENT, SJ
373-5869

TELEPHONE NO.

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

1-43 258.58 132.5'

ICE CHEST NO.

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.
F08-036

AIR QUALITY ☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

Contains 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 G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

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

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

1-129 by JCPMS SEE ITEM (1) IN SPECIAL INSTRUCTIONS (Iodine-129)

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B1T170

SOIL

1-23-08 1502

✓ ✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

Lot# 105#
3907062 022210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MAVITA Jett Bailey

1-23-08 1609

RECEIVED BY/STORED IN

1-23-08 1609

MAVITA Jett Bailey

1-24-08 1245

RECEIVED BY/STORED IN

1-24-08 1245

MAVITA Jett Bailey

1-24-08 1310

RECEIVED BY/STORED IN

1-24-08 1310

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

**DATA
TURNAROUND**

SAMPLING LOCATION

I-43

ICE CHEST NO.

1-22.5'

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

140F-N-503-

ACTUAL SAMPLE DEPTH

COA

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE.

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

SAMPLING LOCATION

1-44 @ 5858 122.2' - 124.7'

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

Split Spoon
Liner
Moisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B11K7

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS
Moisture
Content - D2216;

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B11K7

SOIL

1-23-08 1519

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

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DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY

RECEIVED BY

TITLE

DATE/TIME

SECTION

FINAL SAMPLE

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

DISPOSITION

ESL 2938(3) 2938(2)

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-45

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

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

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

1-129 by ICPMs
(Iodine-129)
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B17172

SOIL

1-23-08

1524

1305021 097210

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

10TH
1305021 097210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

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RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

DATA
TURNAROUND
45 Days / 45

AIR QUALITY

COA

123511E510

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

GOVERNMENT VEHICLE

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

GOVERNMENT VEHICLE

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

GOVERNMENT VEHICLE

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

GOVERNMENT VEHICLE

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

GOVERNMENT VEHICLE

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

GOVERNMENT VEHICLE

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

GOVERNMENT VEHICLE

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

GOVERNMENT VEHICLE

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

GOVERNMENT VEHICLE

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

GOVERNMENT VEHICLE

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

GOVERNMENT VEHICLE

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

GOVERNMENT VEHICLE

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

GOVERNMENT VEHICLE

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

PROJECT COORDINATOR

PROJECT NO.

SAF NO.

PRICE CODE

8N

45 Days / 45

OFFSITE PROPERTY NO.

N/A

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA

TURNAROUND

SAMPLING LOCATION

I-45

ICE CHEST NO.

125,0

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

SHIPPED TO

Environmental Sciences Laboratory

FIELD LOGBOOK NO.

N/A

ACTUAL SAMPLE DEPTH

12351IES10

COA

GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

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

SAMPLING LOCATION I-16 45858 80.5 - 83
PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO. HNF-N-503-
ACTUAL SAMPLE DEPTH COA 123511ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

MATRIX*

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

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

SPECIAL HANDLING AND/OR STORAGE
 Radioactive tie to B1TK2

SAMPLE ANALYSIS

PRESERVATION	None	None
TYPE OF CONTAINER	Split Spoon Liner	Moisture Resistant Cont
NO. OF CONTAINER(S)	2	1
VOLUME	1000g	200g

SEE ITEM (1) IN SPECIAL INSTRUCTIONS
 Moisture Content - D2216;

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T143 SOIL

1.22-08 0930

✓ ✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

LET # 3223063

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM *Alaska Native* 1.22-08 1556 **DATE/TIME**
RELINQUISHED BY/REMOVED FROM *MO 745 R2441* 1.22-08 1556 **DATE/TIME**
RELINQUISHED BY/REMOVED FROM *RECEIVED BY/REMOVED FROM* 1.22-08 1556 **DATE/TIME**
RELINQUISHED BY/REMOVED FROM *D.E. PARCHEEN* 1.22-08 1556 **DATE/TIME**

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

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

3-2888

2-2889

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA

TURNAROUND

SAMPLING LOCATION

I-17 C-5858

82.8'

ICE CHEST NO.

HNF-N-503-

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

I-18 C 5853

82.8' - 85.3'

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

ICE CHEST NO.

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

12351IES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

Split Spoon Liner

Moisture Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1K2

SAMPLE ANALYSIS

SEE ITEM (1) IN SPECIAL INSTRUCTIONS
Moisture Content - D2216;

SAMPLE NO.

B1T145

SOIL

MATRIX*

SAMPLE DATE SAMPLE TIME

1-22-08 1010

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MALEKIA MALIKIA

1-22-08 1556

MALEKIA MALIKIA

1-22-08 1552

RELINQUISHED BY/REMOVED FROM

JAN 23 2000 1230

RECEIVED BY/STORED IN

JAN 23 2000 1230

RELINQUISHED BY/REMOVED FROM

JAN 23 2000 1300

RECEIVED BY/STORED IN

JAN 23 2000 1300

RELINQUISHED BY/REMOVED FROM

JAN 23 2000 1300

RECEIVED BY/STORED IN

JAN 23 2000 1300

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

#3 - 2892

#2 - 2893

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

I-19 C5858 851

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

14NF-N-503-

ACTUAL SAMPLE DEPTH

COA 123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

N/A

BILL OF LADING/AIR BILL NO.

MATRIX*

Contains 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

GP

GP

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1K2

SAMPLE ANALYSIS

1-129 by ICPMS
(Iodine-129)
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B1T146

SOIL

1-22-08 1022

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

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DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE 8N

DATA
TURNAROUND

SAMPLING LOCATION

I-19 C5858 85'

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.
F08-036

AIR QUALITY ☐

45 Days / 45 Days

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA 12351IES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

N/A

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

1-20 C5858 87.5'

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

44NF-N-503-

ACTUAL SAMPLE DEPTH

COA

12351IES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

A=Air

DL=Drum

Liquids

DS=Drum

Solids

L=Liquid

O=Oil

S=Soil

SE=Sediment

T=Tissue

V=Vegetation

WT=Water

WI=Wipe

X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

IL

SAMPLE ANALYSIS

1-129 by JCPMS SEE ITEM (1) IN SPECIAL INSTRUCTIONS (Iodine-129)

SPECIAL HANDLING AND/OR STORAGE

Radioactive He to BITIK2

SAMPLE NO.

B1T147

MATRIX*

SOIL

SAMPLE DATE

1-22-08 1031

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Mar 14 1998

1-22-08 1556

NO 745 FRI

1-22-08 1556

MO 745 R 23 41

JAN 23 2008

D. E. PARCHEM

JAN 23 2008

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

28911-5004

2891-11

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA

TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

I-20

ICE CHEST NO.

87.51

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-8/503-

ACTUAL SAMPLE DEPTH

COA

12351IES10

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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ
373-5869

TELEPHONE NO.

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

90.0

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

ICE CHEST NO.

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

123511E510

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

PRESERVATION

None

None

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

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

1-129 by ICPMs SEE ITEM (1) IN SPECIAL INSTRUCTIONS (Iodine-129)

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T148

SOIL

1-22-08 1038

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3231052 018371

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

DATE/TIME

RECEIVED BY/STORED IN

1-22-08

1556

RELINQUISHED BY/ REMOVED FROM
Nathan Mallick
RELINQUISHED BY/ REMOVED FROM
MO 745 RALPH
RELINQUISHED BY/ REMOVED FROM
FLUOR HANFORD
RELINQUISHED BY/ REMOVED FROM
PARSHEN

DATE/TIME
1556
JAN 23 2009
JAN 23 2009
JAN 23 2009

RECEIVED BY/STORED IN
NO 745 FRI 1
FLUOR HANFORD
PARSHEN
RECEIVED BY/STORED IN
PARSHEN
RECEIVED BY/STORED IN
PARSHEN

1-22-08

1556
JAN 23 2009
JAN 23 2009
JAN 23 2009

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DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

2898-5000

2899, 1L

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-21 C 5858

ICE CHEST NO.

90.0

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA

TURNAROUND

AIR QUALITY

☐

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

12351IES10

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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_AKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

1-22 C-5858

92.5'

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

N/A

N/A

MATRIX*

Contains 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

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

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

SAMPLE ANALYSIS

1-129 By JOPMS
(Iodine-129)
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1K5

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B1T149

SOIL

1-22-08 1114

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

Left # 1074
3231082 C18279

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

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DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA

TURNAROUND

SAMPLING LOCATION

I-22

ICE CHEST NO.

92.51

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

FIELD LOGBOOK NO.

HANF-N-503-

ACTUAL SAMPLE DEPTH

COA

12351IES10

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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

1-23 C5858

95.0'

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

Contains 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

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

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

SAMPLE ANALYSIS

1-129 by JCPMS
SEE ITEM (1) IN
SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1K5

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T150

SOIL

1-22-08 1132

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

Lot# 3231082 Lot# 018279

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MAWHIA MG.1.8.2

1-22-08 1556

MO745 F161

1-22-08 1556

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO745 R2A #1

1-23-2000 1230

D. E. PARCHEM

1-23-2000 1230

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

D. E. PARCHEM

1-23-2000 1350

C. IONIN

01/23/08 1350

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

2402-5009

2403-1L

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA

TURNAROUND

SAMPLING LOCATION

I-23 25858

95.0

ICE CHEST NO.

HNF-N-503-

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

SHIPPED TO

Environmental Sciences Laboratory

FIELD LOGBOOK NO.

N/A

ACTUAL SAMPLE DEPTH

COA

BILL OF LADING/AIR BILL NO.

N/A

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-24 97.5'

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.
F08-036

AIR QUALITY ☐

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

BILL OF LADING/AIR BILL NO.
N/A

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None None

TYPE OF CONTAINER

G/P G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

1-129 by ICPMIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS (lookline-129)

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B1T151 SOIL

1-22-08 1250

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

lot# 3231682 018279

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Ma White Mat 12-08

1556

MO 245 Fri 1

1556

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO 745 R 081

1230

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

2904-5009

2905-1L

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-24

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADIO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

1-25 C-5858

100.0'

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

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
SF=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B171K5

SAMPLE ANALYSIS

1-129 by JCPHS
(Iodine-129)
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B17152

SOIL

1-22-08 1256

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

LOT# 3231082 LOT# 018279

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Malik + Mat 1-22-08 1556

1-22-08 1556

NO 745 Fri 1 1-22-08 1556

1-22-08 1556

MO 745 1-22-08 1556

1-22-08 1556

NO 745 Fri 1 1-22-08 1556

1-22-08 1556

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

2906 5004 2907 N

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-25 C. 5858

ICE CHEST NO.

100.0

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

12351IES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADIO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADIO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE.

COLLECTOR NCO Sampler
COMPANY CONTACT TRENT, SJ 373-5869
PROJECT COORDINATOR TRENT, SJ
PRICE CODE 8N
DATA TURNAROUND 45 Days / 45

SAMPLING LOCATION I-26 25858 99.3-101.8
ICE CHEST NO.
PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO. HNF-N-503-
ACTUAL SAMPLE DEPTH COA 123511ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE

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

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

SPECIAL HANDLING AND/OR STORAGE Radioactive tie to BIT1K5
SAMPLE ANALYSIS SEE ITEM (1) IN Moisture Content - 02216; SPECIAL INSTRUCTIONS

SAMPLE NO. BIT153 **MATRIX*** SOIL **SAMPLE DATE** 1-22-08 **SAMPLE TIME** 1346

NO. OF CONTAINER(S) 2 **VOLUME** 1000g 200g

TYPE OF CONTAINER Split Spoon Liner Moisture Resistant Cont

CHAIN OF POSSESSION SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM Marking Thales 1-22-08 1556 **RECEIVED BY/STORED IN** No 745 1-22-08 1556

RELINQUISHED BY/REMOVED FROM No 745 Ref #1 JAN 23 2009 **RECEIVED BY/STORED IN** Fluor Hanford JAN 23 2009

RELINQUISHED BY/REMOVED FROM D. E. PARCHEM JAN 23 2009 **RECEIVED BY/STORED IN** C. J. IDVIN JAN 23 2009

RELINQUISHED BY/REMOVED FROM **RECEIVED BY/STORED IN**

RELINQUISHED BY/REMOVED FROM **RECEIVED BY/STORED IN**

RELINQUISHED BY/REMOVED FROM **RECEIVED BY/STORED IN**

LABORATORY SECTION RECEIVED BY TITLE

FINAL SAMPLE DISPOSITION DISPOSAL METHOD DATE/TIME

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

2911-11

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	<input type="checkbox"/>
1-27 25858 102.5'	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036		

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	4NF-N-503-		123511ES10	GOVERNMENT VEHICLE

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

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
1-28 CES858 102.6-105.1
ICE CHEST NO.

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E3-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.
HNF-N-503-

ACTUAL SAMPLE DEPTH
COA
123511ES10

SAF NO.
F08-036

AIR QUALITY
METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

Environmental Sciences Laboratory

N/A

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

PRESERVATION

None

None

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

TYPE OF CONTAINER

Spill Spoon
Liner

Moisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT155

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS
Moisture
Content - 02216;

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

BIT155

SOIL

1-22-08 1417

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/ REMOVED FROM
Nate McNamee
RELINQUISHED BY/ REMOVED FROM
WMO 745-RJF #1
RELINQUISHED BY/ REMOVED FROM
D. E. PARCHEM
RELINQUISHED BY/ REMOVED FROM

DATE/TIME
1-22-08 1556
JAN 23 2009 1230
JAN 23 2009 1300

RECEIVED BY/STORED IN
D. E. PARCHEM
RECEIVED BY/STORED IN
C. E. PARCHEM
RECEIVED BY/STORED IN

DATE/TIME
1-22-08 1556
JAN 23 2009 1230
JAN 23 2009 1300

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY
SECTION
RECEIVED BY
FINAL SAMPLE
DISPOSITION

RECEIVED BY
DISPOSAL METHOD

TITLE
DISPOSED BY

DATE/TIME
DATE/TIME

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

I-29 C5858 105.0'

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Part

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

A=Air

DL=Drum

Liquids

DS=Drum

Solids

L=Liquid

O=Oil

S=Soil

SE=Sediment

T=Tissue

V=Vegetation

W=Water

WI=Wipe

X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

Radioactive the to B1T1K6

SAMPLE ANALYSIS

I-129 by ICP-MS
(Iodine-129)
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

B1T156

MATRIX*

SOIL

SAMPLE DATE

1-22-08 1426

SAMPLE TIME

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

Lot # 3931082 018229

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

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RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

2914 - 5009

2915 - 1L

COLLECTOR

NCO Sampler

SAMPLING LOCATION

1-29 C 58.58

ICE CHEST NO.

105.0

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

12351IES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADIO_ISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADIO_ISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE.

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-30 15858 104.7 - 107.2
ICE CHEST NO.

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.
HNF-N-503-
ACTUAL SAMPLE DEPTH

SAFE NO.
F08-036

AIR QUALITY
METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

Environmental Sciences Laboratory

N/A

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

PRESERVATION

None

None

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

TYPE OF CONTAINER

Split Spoon
Liner

Moisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BITIK6

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS
Moisture
Content - D2216;

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

BIT157

SOIL

1-22-08 1450

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

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DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR
NCO SamplerCOMPANY CONTACT
TRENT, SJTELEPHONE NO.
373-5869PROJECT COORDINATOR
TRENT, SJPRICE CODE
8NDATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-31 25858 107.5'

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling ParFIELD LOGBOOK NO.
HNF-N-503-SAF NO.
F08-036AIR QUALITY
[]METHOD OF SHIPMENT
GOVERNMENT VEHICLECOA
12351IES10BILL OF LADING/AIR BILL NO.
N/A

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)A=Air
DL=Drum
Liquids
DS=Drum
Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=OtherSPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT1K6

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

BIT158

SOIL

1-22-08 1456

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

Lot# 323082 018279

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

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DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY

RECEIVED BY

TITLE

DATE/TIME

SECTION

FINAL SAMPLE

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

DISPOSITION

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

**DATA
TURNAROUND**

45 Days / 45 Days

SAMPLING LOCATION

I-31

107.5'

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADIO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE.

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-1
ICE CHEST NO. 601

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.
14NF-N-503-

SAF NO.
F08-036

AIR QUALITY
☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

Environmental Sciences Laboratory

N/A

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT119

SAMPLE ANALYSIS

1-129 by JCPS
(10line-129)
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

BIT128

SOIL

1/21/08 0940

✓ 0940

Lot #

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

026057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/ REMOVED FROM
KJ. YOUNG
DATE/TIME 12/08/00
RECEIVED BY/STORED IN
NO 745 Fridge #1
DATE/TIME 1-21-08
RELINQUISHED BY/ REMOVED FROM
NO 745 Fridge #1
DATE/TIME 1-22-08
RECEIVED BY/STORED IN
D. E. PARCHEN
DATE/TIME 1-22-08
RELINQUISHED BY/ REMOVED FROM
D. E. PARCHEN
DATE/TIME 1-22-08
RECEIVED BY/STORED IN
D. E. PARCHEN
DATE/TIME 1-22-08

RELINQUISHED BY/ REMOVED FROM

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RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSED BY

DATE/TIME

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F08-036-001	PAGE 2 OF 2
COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ
SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY
I-1	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036	<input type="checkbox"/>
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	METHOD OF SHIPMENT
	44 NF - N - 503 -	COA	GOVERNMENT VEHICLE
SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.	
Environmental Sciences Laboratory	N/A	N/A	

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415-1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-2 C5858. C2.5'

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

400F-24-SC3-

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to BIT119

SAMPLE ANALYSIS

1-129 by ICPMS
(Isotone-129) SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

BIT129

MATRIX*

SOIL

SAMPLE DATE SAMPLE TIME

11/21/08 0945

✓

✓

Lot #

SIGN/ PRINT NAMES

026057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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DATE/TIME

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ES1 2867

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	<input type="checkbox"/>	45 Days / 45 Days
1-2	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036			

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	140F-N-503-		12351ES10	GOVERNMENT VEHICLE

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

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-3 45858 65.0

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.
F08-036

AIR QUALITY
☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

FIELD LOGBOOK NO.

740F-N-503-

ACTUAL SAMPLE DEPTH

COA
123511ES10

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

N/A

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains 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 G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

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

SAMPLE ANALYSIS

1-129 by ICPMS
SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B11119

SAMPLE NO.

MATRIX*

SAMPLE DATE **SAMPLE TIME**

B11T130

SOIL

1/21/08 1000

✓

✓

Lot #

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

026057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

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DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION I-3	PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	SAF NO. F08-036	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-503-	ACTUAL SAMPLE DEPTH COA	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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR
NCO SamplerCOMPANY CONTACT
TRENT, SJTELEPHONE NO.
373-5869PROJECT COORDINATOR
TRENT, SJPRICE CODE
8NDATA
TURNAROUND
45 Days / 45
DaysSAMPLING LOCATION
I-4 C 5858PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling ParSAF NO.
F08-036AIR QUALITY
☐ICE CHEST NO.
65.0 - 67.5FIELD LOGBOOK NO.
HNF-N-503-ACTUAL SAMPLE DEPTH
COAOFFSITE PROPERTY NO.
N/A

12351ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLESHIPPED TO
Environmental Sciences LaboratoryOFFSITE PROPERTY NO.
N/ABILL OF LADING/AIR BILL NO.
N/AMatrix*
A=Air
DL=Drum
Liquids
DS=Drum
Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=OtherPOSSIBLE SAMPLE HAZARDS/ REMARKS
Contains 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

None

TYPE OF CONTAINER
Split Spoon
LinerTYPE OF CONTAINER
Moisture
Resistant ContNO. OF CONTAINER(S)
2

1

VOLUME
1000g

200g

SPECIAL HANDLING AND/OR STORAGE
Radioactive lie to BIT119SAMPLE ANALYSIS
SEE ITEM (1) IN Moisture
SPECIAL Content - D2216;
INSTRUCTIONSSAMPLE NO.
BIT131MATRIX*
SOILSAMPLE DATE
1/21/08SAMPLE TIME
1010

✓

✓

Lot #
026057

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS
(1) Density, Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;RELINQUISHED BY/REMOVED FROM
K1.7600000000000000DATE/TIME
1/21/08 1600RECEIVED BY/STORED IN
MO 745 Fike #1DATE/TIME
1-21-08 1600RELINQUISHED BY/REMOVED FROM
MO 745 Fike #1DATE/TIME
1-22-08 1300RECEIVED BY/STORED IN
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1-22-08 1300RECEIVED BY/STORED IN
DOE PARCHEADATE/TIME
1-22-08 1300RELINQUISHED BY/REMOVED FROM
DOE PARCHEADATE/TIME
1-22-08 1300RECEIVED BY/STORED IN
DOE PARCHEADATE/TIME
1-22-08 1300RELINQUISHED BY/REMOVED FROM
DOE PARCHEADATE/TIME
1-22-08 1300RECEIVED BY/STORED IN
DOE PARCHEADATE/TIME
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DOE PARCHEADATE/TIME
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DOE PARCHEADATE/TIME
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DOE PARCHEADATE/TIME
1-22-08 1300RECEIVED BY/STORED IN
DOE PARCHEADATE/TIME
1-22-08 1300RELINQUISHED BY/REMOVED FROM
DOE PARCHEADATE/TIME
1-22-08 1300RECEIVED BY/STORED IN
DOE PARCHEADATE/TIME
1-22-08 1300RELINQUISHED BY/REMOVED FROM
DOE PARCHEADATE/TIME
1-22-08 1300RECEIVED BY/STORED IN
DOE PARCHEADATE/TIME
1-22-08 1300RELINQUISHED BY/REMOVED FROM
DOE PARCHEADATE/TIME
1-22-08 1300RECEIVED BY/STORED IN
DOE PARCHEADATE/TIME
1-22-08 1300RELINQUISHED BY/REMOVED FROM
DOE PARCHEADATE/TIME
1-22-08 1300RECEIVED BY/STORED IN
DOE PARCHEADATE/TIME
1-22-08 1300RELINQUISHED BY/REMOVED FROM
DOE PARCHEADATE/TIME
1-22-08 1300

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-5 C5856 47.5'

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.
HNF-N-503-

SAF NO.
F08-036

AIR QUALITY
☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

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

PRESERVATION
None

TYPE OF CONTAINER
G/P

NO. OF CONTAINER(S)
1

VOLUME
500g

1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT119

SAMPLE ANALYSIS

1-129 by ICPMs
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS
(Isotone-129)

SAMPLE NO.

SOIL

MATRIX*

SAMPLE DATE
1/21/08

SAMPLE TIME
1100

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

026057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM

DATE/TIME
1-21-08 1600
DATE/TIME
1-22-08 1200
DATE/TIME
1-22-08 1330
DATE/TIME
1-22-08 1330
DATE/TIME
1-22-08 1330

RECEIVED BY/STORED IN
NO 745 F-101g #1
RECEIVED BY/STORED IN
J E PARCHEN
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN

DATE/TIME
1-21-08 1600
DATE/TIME
1-22-08 1200
DATE/TIME
1-22-08 1330
DATE/TIME
1-22-08 1330

TITLE

DISPOSED BY

DATE/TIME

LABORATORY SECTION
RECEIVED BY
FINAL SAMPLE DISPOSITION

RECEIVED BY
DISPOSAL METHOD

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

DATE/TIME

TITLE

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

SAMPLING LOCATION

1-5

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

TURNAROUND
DATA
45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

12351IES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_JCP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_JCP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE,

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-6 **C5058** 67.5 - 69.5

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.
F08-036

AIR QUALITY

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA
123511ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

PRESERVATION

None

None

A=Air
DL=Drum
Liquids
DS=Drum
Solids
5400.5 (1990/1993)

TYPE OF CONTAINER

Spill Spoon
Liner

Moisture
Resistant Cont

L=Liquid
O=Oil
S=Soil
SF=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT119

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL INSTRUCTIONS
Moisture Content - D2216;

SAMPLE NO.

BIT133

MATRIX*

SAMPLE DATE
1/21/08

SAMPLE TIME
1130

Lot #

SIGN/ PRINT NAMES

026057

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

SAMPLING LOCATION

1-7 C5859.70.0

SAF NO.

F08-036

AIR QUALITY

☐45 Days / 45
Days

ICE CHEST NO.

FIELD LOGBOOK NO.

4NF-V-503-

ACTUAL SAMPLE DEPTH

COA

123511ES10

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

SF=Sediment

T=Tissue

V=Vegetation

W=Water

WI=Wipe

X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T119

SAMPLE ANALYSIS

1-129 by ICPMS
(Iodine-129) SEE ITEM (1) IN
SPECIAL INSTRUCTIONS

SAMPLE NO.

SOIL

MATRIX*

SAMPLE DATE SAMPLE TIME

1/21/08 1145

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

Lot #

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

020657.

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

1/21/08

1600

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

1/22-08

1330

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

1/22-08

1334

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

1/22-08

1334

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

1/22-08

1334

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

1/22-08

1334

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

1/22-08

1334

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	TRENT, SJ			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	<input type="checkbox"/>
1-7	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036		

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
	14NF-V-503-		12351IES10	GOVERNMENT VEHICLE

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

SPECIAL INSTRUCTIONS

(1)ALPHA_AE (Gross alpha) BETA_AE (Gross beta) RADISO_ICPMS_ASTM_AE (Technetium-99, Uranium-238) 6010M_ICP_ASTM_AE (TAL) (Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc) 6010M_ICP_ASTM_AE (Add-On) (Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium) 6020M_ICPMS_ASTM_AE (TAL) (Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc) 6020M_ICPMS_ASTM_AE (Add-On) (Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium) ALPHA_WE (Gross alpha) BETA_WE (Gross beta) RADISO_ICPMS_WE (Iodine-129, Technetium-99, Uranium-238) 6010M_METALS_ICP_WE (TAL) (Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc) 6010M_METALS_ICP_WE (Add-On) (Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium) 6020M_METALS_ICPMS_WE (TAL) (Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc) 6020M_METALS_ICPMS_WE (Add-On) (Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium) 2320_ALKALINITY (Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion) IC Anions - 9056_WE (Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate) TTC - 415.1M (Total Inorganic Carbon) TOC - 415.1 (Total organic carbon) pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

SAMPLING LOCATION

I-8 C5858 70.0 - 72.5

ICE CHEST NO.

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

A=Air

DL=Drum

Liquids

DS=Drum

Solids

L=Liquid

O=Oil

S=Soil

SF=Sediment

T=Tissue

V=Vegetation

W=Water

WI=Wipe

X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

Spoil Spoon Liner

Moisture Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1119

SAMPLE ANALYSIS

SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

1/21/08

1300

✓

✓

B11135

SOIL

1/21/08

1300

✓

✓

Lot

SIGN/ PRINT NAMES

026057

CHAIN OF POSSESSION

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

1-21-08 1600

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

1-22-08 2100

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

1-22-08 2100

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

1-22-08 2100

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

1-22-08 2100

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

1-22-08 2100

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

1-22-08 2100

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

1-22-08 2100

LABORATORY SECTION

RECEIVED BY

DATE/TIME

1-22-08 2100

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DATE/TIME

1-22-08 2100

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

TURNAROUND

SAMPLING LOCATION

I-9 15858 72.5

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SAMPLE ANALYSIS

1-129 by JCMS SPECIAL (100me-129) SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T19

SAMPLE NO.

B1T136

MATRIX*

SOIL

SAMPLE DATE

1/21/08 1330

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

026057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

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RELINQUISHED BY/REMOVED FROM

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DATE/TIME

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND
45 Days / 45
Days

SAMPLING LOCATION

1-9

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

ICE CHEST NO.

14NF-0-503-

ACTUAL SAMPLE DEPTH

COA

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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

AIR QUALITY

☐

TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

I-10 C5858

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Part

FIELD LOGBOOK NO.

HNF-A-503-

ACTUAL SAMPLE DEPTH

COA

SAF NO.

F08-036

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

PRESERVATION

None

None

TYPE OF CONTAINER

Spill Spoon
Liner

Moisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

B1T137

MATRIX*

SOIL

SAMPLE DATE

1/21/08 1350

✓

Let H

SIGN / PRINT NAMES

626057

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM
WJ Youngs
RELINQUISHED BY/REMOVED FROM
MO 745 Ref #1
RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM

DATE/TIME
1/21/08 1600
DATE/TIME
JAN 22 2008
DATE/TIME
JAN 22 2008
DATE/TIME
JAN 22 2008
DATE/TIME
JAN 22 2008

RECEIVED BY/STORED IN
MO 745 Ref #1
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN

DATE/TIME
1/21/08 1600
DATE/TIME
JAN 22 2008
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JAN 22 2008
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JAN 22 2008

RELINQUISHED BY/REMOVED FROM
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DATE/TIME
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LABORATORY
SECTION
FINAL SAMPLE
DISPOSITION

RECEIVED BY
DISPOSAL METHOD

RECEIVED BY
DISPOSAL METHOD

RECEIVED BY
DISPOSAL METHOD

TITLE
DISPOSED BY

DATE/TIME
DATE/TIME

DATE/TIME
DATE/TIME

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

PROJECT DESIGNATION

SAF NO.
F08-036

AIR QUALITY

☐

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

Environmental Sciences Laboratory

N/A

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

PRESERVATION

None

None

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

TYPE OF CONTAINER

G/P

G/P

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

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

1-129 by ICMS
(Iodine-129)
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T138

SOIL

1/21/08

1400

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

026057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
12/20/07
RELINQUISHED BY/REMOVED FROM
NO 745 Ref #1
RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM

DATE/TIME
1/21/08 1400
DATE/TIME
1-22-08 1330
DATE/TIME
1-27-08
DATE/TIME

RECEIVED BY/STORED IN
MO-745 Ref #1
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN

DATE/TIME
1/21/08 1600
DATE/TIME
1-22-08
DATE/TIME
1-22-08 1330
DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION I-11	PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	SAF NO. F08-036	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. <i>HNF-N-503</i>	ACTUAL SAMPLE DEPTH COA	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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.IM {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

DATA TURNAROUND

Days / 43

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

N/A

ation

Resistant Cont

1

20

Mo

10

SPECIAL INSTRUCTIONS

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

2

DATE/TIME

DATE/TIME

A-6003-618(01/06)

DATA TURNAROUND

45 Days / 45 Days

BILL OF LADING/AIR BILL NO
N/A

PRESERVATION	None	None
TYPE OF CONTAINER	G/P	G/P
NO. OF CONTAINER(S)	1	1
VOLUME	500g	1L

SAMPLE ANALYSIS

1-129 by ICPMs (Iodine-129) SPECIAL

SEE ITEM (1) IN SPECIAL

SAMPLE ANALYSIS
I-129 by ALPMS
{Iodine-129}
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

MATRIX*	SAMPLE DATE	SAMPLE TIME
	1/21/08	1450

026657

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY / REMOVED FROM	DATE/TIME	RECEIVED BY / STORED IN	DATE/TIME
KJ Young <i>[Signature]</i>	12/10/08 1600	MO-745 Raf #1	1/21/09 1600
RELINQUISHED BY / REMOVED FROM	DATE/TIME	RECEIVED BY / STORED IN	DATE/TIME
MO-745 Ref #1	1-22-08	<i>[Signature]</i>	1-22-08
RELINQUISHED BY / REMOVED FROM	DATE/TIME	RECEIVED BY / STORED IN	DATE/TIME
<i>[Signature]</i>	1-22-08	Dennis Smith	5/6 12/08 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
LABORATORY SECTION	RECEIVED BY		
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD		

TITLE	DATE/TIME
DISPOSED BY	DATE / TIME

COLLECTOR NCO Sampler	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION I-13	PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	SAF NO. F08-036	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO. 14NF-V-503-	ACTUAL SAMPLE DEPTH	COA 123511ES10	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

(1) ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY (Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion) IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

DATA TURNAROUND

45 Days / 45 Days

N/A

Moisture
Resistant Cont

I

2009

Radioactive tie to B1T1K2

SEE ITEM (1) IN SPECIAL INSTRUCTIONS

Moisture Content - D2216,

5

SPECIAL INSTRUCTIONS

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

Q

1

□

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-15 C5858 80'

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-3+3 - Geochemical Modeling Par

SAF NO.
F08-036

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.
HNF-N-503-

ACTUAL SAMPLE DEPTH
COA

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

BILL OF LADING/AIR BILL NO.
N/A

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

PRESERVATION

None None

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

TYPE OF CONTAINER

G/P G/P

O=Oil

NO. OF CONTAINER(S)

1 1

S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

VOLUME

500g 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT1K2

SAMPLE ANALYSIS

1-129 by ICPMs
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE **SAMPLE TIME**

BIT142

SOIL

1/21/08 1525

Lot #

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

026057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
12/10/08 1600 MC-745 REF A1

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM
JAN 2 2 2003

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM
JAN 2 2 2003

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RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

DATE/TIME

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DATE/TIME

DATE/TIME

COLLECTOR NCO Sampler	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION I-15	PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	SAF NO. F08-036	AIR QUALITY <input type="checkbox"/>	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-503-	ACTUAL SAMPLE DEPTH COA	123511ES10	BILL OF LADING/AIR BILL NO. N/A	
SHIPPED TO Environmental Sciences Laboratory	OFFSITE PROPERTY NO. N/A				

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR
NCO Sampler
M. A. White

J. K. Bailey

COMPANY CONTACT
TRENT, SJTELEPHONE NO.
373-5869PROJECT COORDINATOR
TRENT, SJPRICE CODE
8NTURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-46 C5858 124.6' - 127.1'
ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.
HNF-N-503 -SAF NO.
F08-036AIR QUALITY
☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING / AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

Split Spoon
LinerMoisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to BITT17

SAMPLE ANALYSIS

SEE ITEM (1) IN Moisture
SPECIAL Content - D2216;
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B1T173

SOIL

124-08 0939

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MA LUK + 2 M. A. White

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

NO 745 Fri, #1 1-23-08 1312

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

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DATE/TIME

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DATE/TIME

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DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler **M. A. White** **J. K. Bailey**

COMPANY CONTACT

TRENT, SJ
373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

I-47 **25858** **137.5**

ICE CHEST NO.

14NFE-N-503-

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

ACTUAL SAMPLE DEPTH

COA

FIELD LOGBOOK NO.

N/A

SAF NO.

F08-036

AIR QUALITY

☐

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains 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

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SAMPLE ANALYSIS

1-129 by ICMS
(Iodine-129)
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B11K7

SAMPLE NO.

B1174

MATRIX*

SOIL

SAMPLE DATE

1-24-08 0952

SAMPLE TIME

✓

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SIGN/ PRINT NAMES

Lot# 1305021 037210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

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RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

no page 2 attached

www 2/1/08

ES1. 2948

COLLECTOR
NCO Sampler **M. A. White**
J. K. Bailey

COMPANY CONTACT
TRENT, SJ
373-5869

TELEPHONE NO.

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-48 **C5858** 127.4' - 129.9'
ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.

SAF NO.

AIR QUALITY ☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

N/A

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT1K7

SAMPLE ANALYSIS

SEE ITEM (1) IN Moisture
SPECIAL Content - D2216;
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE **SAMPLE TIME**

BIT175

SOIL

1-24-08 / 006

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

NOTE
027240m
1305021

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

M. A. White **Mc 745**

1-24-08 / 555

Mc 745 **Fr's**

1-24-08

1-24-08

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

1-24-08

Mc 745 **Fr's**

1-24-08 / 17:12

El Kharz **El Kharz**

1-24-08

1-24-08

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

1-24-08

El Kharz **El Kharz**

1-24-08 / 1400

Smith **Smith**

1-24-08

1-24-08

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

1-24-08

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

1-24-08

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

1-24-08

LABORATORY

SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE

DISPOSED BY

DATE/TIME

DISPOSITION

ESL 2944(13) 2956(12)

COLLECTOR

MCO Sampler M. A. White J. K. Bailey

SAMPLING LOCATION

I-49 65858 130.0
ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to BIT1K7

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE 8N

DATA
TURNAROUND
45 Days / 45 Days

PROJECT DESIGNATION

200-8P-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.
F08-036

AIR QUALITY

45 Days / 45 Days

FIELD LOGBOOK NO.

HNFE-N-503-

ACTUAL SAMPLE DEPTH

COA

12351IES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SAMPLE NO.

BT176

SOIL

MATRIX*

SAMPLE DATE SAMPLE TIME

1-24-08 1127

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

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RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

LOT# 1265021
LOT# 037210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

NO page 2 attached
MMW 2/1/08

ES7.2951

COLLECTOR M. A. White J. K. Bailey
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-50 C5858 130.6-133
ICE CHEST NO.

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.
HNF-N-503-

SAF NO.
F08-036

AIR QUALITY ☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT1K7

PRESERVATION None None

TYPE OF CONTAINER Split Spoon Moisture Resistant Cont

NO. OF CONTAINER(S) 2 1

VOLUME 1000g 200g

SAMPLE ANALYSIS

SEE ITEM (1) IN Moisture SPECIAL INSTRUCTIONS Content - D2216.

SAMPLE NO. BIT177 **MATRIX*** SOIL **SAMPLE DATE** 1-24-08 **SAMPLE TIME** 1335

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

Lot #
627210-2402
1305221

SPECIAL INSTRUCTIONS

(1) Density, Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH. TR; Generic Testing, SPECIAL STUDIES; KD - Batch;

RELINQUISHED BY/REMOVED FROM M. A. White M. G. Bailey 1-24-08 1555
RECEIVED BY/STORED IN No 745 Trent 1-24-08 1555
RELINQUISHED BY/REMOVED FROM M. G. Bailey 1-24-08 1312
RECEIVED BY/STORED IN Ed Kase Ed Kase 1-24-08 1312
RELINQUISHED BY/REMOVED FROM Ed Kase Ed Kase 1-24-08 1400
RECEIVED BY/STORED IN DS Smith DS Smith 1-24-08 1400

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

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

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

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

LABORATORY SECTION RECEIVED BY
FINAL SAMPLE DISPOSITION DISPOSAL METHOD

TITLE **DATE/TIME**

DISPOSED BY **DATE/TIME**

COLLECTOR M. A. White **J. K. Bailey**
NCO Sampler

COMPANY CONTACT
 TRENT, SJ

TELEPHONE NO.
 373-5869

PROJECT COORDINATOR
 TRENT, SJ

PRICE CODE 8N

DATA
 TURNAROUND
 45 Days / 45 Days

SAMPLING LOCATION
 I-51 E 5858 132.5
ICE CHEST NO.

PROJECT DESIGNATION
 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.
 HNF-N-503-

SAF NO.
 F08-036

AIR QUALITY ☐

METHOD OF SHIPMENT
 GOVERNMENT VEHICLE

SHIPPED TO
 Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
 N/A

BILL OF LADING/AIR BILL NO.
 N/A

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

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

PRESERVATION

None

None

None

None

None

None

None

None

None

None

None

None

SPECIAL HANDLING AND/OR STORAGE
 Radioactive tie to BIT1K7

SAMPLE ANALYSIS

1-123 by ICPMS
 (Iodine-123)
 SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE **SAMPLE TIME**

SOIL

1-24-08 1347

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

M.A. White *J.K. Bailey*
 1-24-08 1347

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
 M.A. White
RELINQUISHED BY/REMOVED FROM
 Ms 745
RELINQUISHED BY/REMOVED FROM
 El Kavin
RELINQUISHED BY/REMOVED FROM

DATE/TIME
 1-24-08 1555
 1-24-08 1312
 1-23-08 1400

RECEIVED BY/STORED IN
 Ms 745
 El Kavin
 D Smith

DATE/TIME
 1-24-08 1555
 1-24-08 1312
 1-24-08 1400

SPECIAL INSTRUCTIONS
 NO PAGE 2 ATTACHED
 2/1/08

RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM

DATE/TIME
DATE/TIME
DATE/TIME

RECEIVED BY/STORED IN
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN

DATE/TIME
DATE/TIME
DATE/TIME

SPECIAL INSTRUCTIONS
SPECIAL INSTRUCTIONS
SPECIAL INSTRUCTIONS

LABORATORY SECTION
RECEIVED BY
FINAL SAMPLE DISPOSITION

DATE/TIME
DATE/TIME
DATE/TIME

RECEIVED BY/STORED IN
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN

DATE/TIME
DATE/TIME
DATE/TIME

SPECIAL INSTRUCTIONS
SPECIAL INSTRUCTIONS
SPECIAL INSTRUCTIONS

DATE/TIME
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DATE/TIME

DATE/TIME
DATE/TIME
DATE/TIME

DATE/TIME
DATE/TIME
DATE/TIME

COLLECTOR
M. A. White J. K. BaileyCOMPANY CONTACT
TRENT, SJ 373-5869

TELEPHONE NO.

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-52 Q 5858 1.33.1 - 1.35.6
ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.
HNF-N-503-
ACTUAL SAMPLE DEPTH
COA
125J11ES10SAF NO.
F08-036AIR QUALITY ☐METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

N/A

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

Split Spoon
LinerMoisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS Moisture
Content - D2216;

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T179

SOIL

1-24-08 1406

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

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DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY

RECEIVED BY

TITLE

DATE/TIME

SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

FSL 2456(3) 249/24

COLLECTOR
NCO Sampler **M. A. White** **J. K. Bailey**

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-53 **C-5858** **135.01**

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.
14NF-N-503-

SAF NO.
F08-036

AIR QUALITY ☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS
Contains 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 G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT188

SAMPLE ANALYSIS

1-128 by ICMS
(100me-128)
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE **SAMPLE TIME**

BIT180

SOIL

1-24-08 1415

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

407# 1305021 020210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

no page 2 attached

MMV 2/1/08

RELINQUISHED BY/REMOVED FROM
M. A. White **1-24-08 1555**
RELINQUISHED BY/REMOVED FROM
NO 745 F.R.S. #1 **1-25-08 13:12**
RELINQUISHED BY/REMOVED FROM
ELKARIN **1-25-08 13:12**
RELINQUISHED BY/REMOVED FROM
ELKARIN **1-24-08 1400**

RECEIVED BY/STORED IN **DATE/TIME**
NO 745 F.R.S. #1 **1-24-08 1555**
RECEIVED BY/STORED IN **DATE/TIME**
ELKARIN **1-25-08 13:12**
RECEIVED BY/STORED IN **DATE/TIME**
ELKARIN **1-24-08 1400**

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ES1 2957

COLLECTOR
NCO Sampler **M. A. White**
J. K. BaileyCOMPANY CONTACT
TRENT, SJ
373-5869

TELEPHONE NO.

PROJECT COORDINATOR
TRENT, SJPRICE CODE
8NDATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-54 **C-5858** 134.7'-137.2'
ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.
HNF-N-503-

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

PRESERVATION

None

None

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

TYPE OF CONTAINER

Split Spoon Liner

Moisture Resistant Cont.

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

SEE ITEM (1) IN SPECIAL INSTRUCTIONS
Moisture Content - D2216.

SAMPLE NO.

BTT181

MATRIX*

SOIL

SAMPLE DATE

1-24-08 1440

SAMPLE TIME

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

LST#
1305021

SPECIAL INSTRUCTIONS

(1) Density, Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CATIONEXCH. TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

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DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ESL 2958(3) 2959(2)

COLLECTOR
NCO Sampler M. A. White J. K. Bailey

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

DATA
TURNAROUND
45 Days / 45
Days

SAMPLING LOCATION
I-56 @ 5853 137.0' - 139.5'
ICE CHEST NO.

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.
HNF-N-503-
ACTUAL SAMPLE DEPTH
COA

SAF NO.
F08-036
12351IES10

AIR QUALITY
METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

Spill Spoon
Liner

Moisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to BIT18

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS
Moisture
Content - 02216

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

BIT183

SOIL

1-24-08 1503

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3/23/08 1504
3/23/08

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

M. A. White

1-24-08 1555

MO745 F15 1-24-08 1555

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO745 F15 1-24-08 13:12

DATE/TIME

3/23/08 13:12

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

3/23/08 14:00

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

3/23/08 14:00

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

3/23/08 14:00

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

3/23/08 14:00

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

3/23/08 14:00

DATE/TIME

RELINQUISHED BY/REMOVED FROM

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3/23/08 14:00

DATE/TIME

RELINQUISHED BY/REMOVED FROM

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3/23/08 14:00

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3/23/08 14:00

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RELINQUISHED BY/REMOVED FROM

DATE/TIME

3/23/08 14:00

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

3/23/08 14:00

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

3/23/08 14:00

DATE/TIME

COLLECTOR
NCO Sampler **M. A. White** **J. K. Bailey**

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-57 **C5858** **140.0'**
ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.

SAF NO.
F08-036

AIR QUALITY ☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

PRESERVATION

None None

TYPE OF CONTAINER

G/P G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

SAMPLE ANALYSIS

1-129 by JCPMS
SEE ITEM (1) IN
SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1K8

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B1T184

SOIL

1-24-08 1513

CHAIN OF POSSESSION

SIGN / PRINT NAMES

Lot # 323062 627210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

no pag 2 attached
MMW 2/7/08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

M. A. White

1-24-08 1555

NO 745 Fri 1-24-08 1555

1-24-08 1555

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MD 745 Fri 1-24-08 1312

1312

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

EL Kane 1-29-08 1400

1400

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR **M. A. White**
NCO Sampler

J. K. Bailey

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

SAMPLING LOCATION

I-58

140.5-143.0

ICE CHEST NO.

25858

SAF NO.

F08-036

AIR QUALITY

45 Days / 45
Days

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

ACTUAL SAMPLE DEPTH

COA
123511ES10

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=Vegetation
W=Water
WL=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

Split Spoon
LinerMoisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL INSTRUCTIONS
Moisture
Content - 02216;

SAMPLE NO.

SOIL

MATRIX*

SAMPLE DATE SAMPLE TIME

1-25-08 0955

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

407#
3323062

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

M. A. White

1-25-08 1600

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Mc 745

1-25-08 13:12

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ESL 2964 (3) 2965(2)

COLLECTOR **M. A. White**
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-59 05858 142.5'

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Part

FIELD LOGBOOK NO.
HNF-N-503-

SAF NO.
F08-036

AIR QUALITY
☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*

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

PRESERVATION

None None

TYPE OF CONTAINER

G/P G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT188

SAMPLE ANALYSIS

1-129 by ICNHS
(Iodine-129) SEE ITEM (1) IN
SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

BIT186 SOIL

1-25-08 1009

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

LOT# LOT#
303362 027210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
M. A. White M.A. White 1-25-08 1600
RELINQUISHED BY/REMOVED FROM
NO 745 1-25-08 13:12
RELINQUISHED BY/REMOVED FROM
1-25-08 1400
RELINQUISHED BY/REMOVED FROM
1-25-08 1400

DATE/TIME
DATE/TIME
DATE/TIME
DATE/TIME

RECEIVED BY/STORED IN
NO 745 1-25-08 1600
RECEIVED BY/STORED IN
1-25-08 13:12
RECEIVED BY/STORED IN
1-25-08 1400
RECEIVED BY/STORED IN
1-25-08 1400

DATE/TIME
DATE/TIME
DATE/TIME
DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

FSL 2966

COLLECTOR M. A. White **J. K. Bailey**
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION 143.71-145.31
I-60 5858
ICE CHEST NO. 145-01
1-25-03

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO. 145-N-503-
ACTUAL SAMPLE DEPTH COA 123511ES10

SAF NO. F08-036

AIR QUALITY ☐
METHOD OF SHIPMENT GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

BILL OF LADING/ AIR BILL NO. N/A

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

PRESERVATION None None

TYPE OF CONTAINER Split Spoon Liner Moisture Resistant Cont

NO. OF CONTAINER(S) 2 1

VOLUME 1000g 200g

SAMPLE ANALYSIS SEE ITEM (1) IN SPECIAL INSTRUCTIONS Moisture Content - D2216;

SPECIAL HANDLING AND/OR STORAGE Radioactive tie to B1T1K8

SAMPLE NO.

MATRIX*

SAMPLE DATE 1-25-08

SAMPLE TIME 1000

B1T187 SOIL

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM M. A. White 1-25-08 1600
RECEIVED BY/STORED IN M. A. White 1-25-08 1600
RELINQUISHED BY/REMOVED FROM M. A. White 1-25-08 1312
RECEIVED BY/STORED IN M. A. White 1-25-08 1312
RELINQUISHED BY/REMOVED FROM M. A. White 1-25-08 1400
RECEIVED BY/STORED IN M. A. White 1-25-08 1400

RELINQUISHED BY/REMOVED FROM M. A. White 1-25-08 1600
RECEIVED BY/STORED IN M. A. White 1-25-08 1600
RELINQUISHED BY/REMOVED FROM M. A. White 1-25-08 1312
RECEIVED BY/STORED IN M. A. White 1-25-08 1312
RELINQUISHED BY/REMOVED FROM M. A. White 1-25-08 1400
RECEIVED BY/STORED IN M. A. White 1-25-08 1400

LABORATORY SECTION RECEIVED BY
FINAL SAMPLE DISPOSITION DISPOSAL METHOD

TITLE DATE/TIME
DISPOSED BY DATE/TIME

ESL 26b7(3) 2468(2)

COLLECTOR M. A. White
NCO Sampler J. K. Bailey

SAMPLING LOCATION

1-61 25858 145.0'
ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX* **POSSIBLE SAMPLE HAZARDS/ REMARKS**

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

Contains 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

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SAMPLE ANALYSIS

Radioactive tie to BIT188

1-129 by ICNMS
(100me-129)
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

BIT188

MATRIX*

SOIL

SAMPLE DATE

1-25-08 1029

SAMPLE TIME

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

Lot # 322362007310

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

No page 2 attached

MMW 2/1/08

RELINQUISHED BY/REMOVED FROM

M. A. White

DATE/TIME

1-25-08 1600

RECEIVED BY/STORED IN

MO 745 F11

DATE/TIME

1-25-08 1600

RELINQUISHED BY/REMOVED FROM

MO 745 F11

DATE/TIME

1-25-08 1312

RECEIVED BY/STORED IN

28Kny/28Kny/28Kny

DATE/TIME

1-25-08 1312

RELINQUISHED BY/REMOVED FROM

28Kny/28Kny/28Kny

DATE/TIME

1-25-08 1400

RECEIVED BY/STORED IN

28Kny/28Kny/28Kny

DATE/TIME

1-25-08 1400

RELINQUISHED BY/REMOVED FROM

28Kny/28Kny/28Kny

DATE/TIME

1-25-08 1400

RECEIVED BY/STORED IN

28Kny/28Kny/28Kny

DATE/TIME

1-25-08 1400

RELINQUISHED BY/REMOVED FROM

28Kny/28Kny/28Kny

DATE/TIME

1-25-08 1400

RECEIVED BY/STORED IN

28Kny/28Kny/28Kny

DATE/TIME

1-25-08 1400

RELINQUISHED BY/REMOVED FROM

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DATE/TIME

1-25-08 1400

RECEIVED BY/STORED IN

28Kny/28Kny/28Kny

DATE/TIME

1-25-08 1400

RELINQUISHED BY/REMOVED FROM

28Kny/28Kny/28Kny

DATE/TIME

1-25-08 1400

RECEIVED BY/STORED IN

28Kny/28Kny/28Kny

DATE/TIME

1-25-08 1400

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

7945

COLLECTOR
NCO Sample **M. A. White**
J. K. Bailey

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-62 **25858** **147.5'**
ICE CHEST NO.

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.
200-BP-5

SAF NO.
F08-036

AIR QUALITY
☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO
Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

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

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

PRESERVATION

None None

TYPE OF CONTAINER

G/P G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B111K8

SAMPLE ANALYSIS

I-129 by JCPMS
(Iodine-129)
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE **SAMPLE TIME**

B11189 SOIL

1-25-08 1048

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

LT# 26th
3003062 037210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
M. A. White **11-9-08** **1-25-08**
RELINQUISHED BY/REMOVED FROM
Mc 745 **1-25-08** **1-25-08**
RELINQUISHED BY/REMOVED FROM
Mc 745 **1-25-08** **1-25-08**
RELINQUISHED BY/REMOVED FROM
Mc 745 **1-25-08** **1-25-08**
RELINQUISHED BY/REMOVED FROM
Mc 745 **1-25-08** **1-25-08**

DATE/TIME
DATE/TIME
DATE/TIME
DATE/TIME
DATE/TIME

RECEIVED BY/STORED IN
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RECEIVED BY/STORED IN
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN

DATE/TIME
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DATE/TIME
DATE/TIME

NO PAGE 2 ATTACHED
MMW 2/1/08

RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM

DATE/TIME
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DATE/TIME

RECEIVED BY/STORED IN
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN

DATE/TIME
DATE/TIME
DATE/TIME

LABORATORY
SECTION
FINAL SAMPLE
DISPOSITION

TITLE
DISPOSED BY

DATE/TIME
DATE/TIME

2970 (X) 2971 (2)

COLLECTOR
NCO Sampler **M. A. White J. K. Bailey**

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-63 **C5858** **15C101**

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.
14NF-N-503-

SAF NO.
F08-036

AIR QUALITY ☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*

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

PRESERVATION

None None

TYPE OF CONTAINER

G/P G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to BIT1K9

SAMPLE ANALYSIS

1-129 by ICNMS
(Iodine-129) SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

B1T190 SOIL

MATRIX*

SAMPLE DATE SAMPLE TIME

1-25-08 1056

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

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DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

NO page 2 attached

MMW 2/1/08

LET# 694
3033062 02 72 10

7971

COLLECTOR
M. A. White J. K. Bailey
NCO SamplerCOMPANY CONTACT
TRENT, SJTELEPHONE NO.
373-5869PROJECT COORDINATOR
TRENT, SJPRICE CODE
8NDATA
TURNAROUND
45 Days / 45
Days

SAMPLING LOCATION

I-64 5858 152.5'
ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.
74N- N-503-

SAF NO.

F08-036

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX* POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

1-129 by ICPMS SEE ITEM (1) IN
{Iodine-129} SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B1T191 SOIL

1-25-08 1235

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

LOT#
3223062 027210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

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DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY

RECEIVED BY

SECTION

TITLE

DATE/TIME

FINAL SAMPLE

DISPOSAL METHOD

DISPOSITION

DISPOSED BY

DATE/TIME

COLLECTOR
NCO Sample **M. A. White**
J. K. Bailey

SAMPLING LOCATION

I-65 C 5858 155.0'

COMPANY CONTACT
TRENT, SJ
373-5869

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SHIPPED TO

Environmental Sciences Laboratory

FIELD LOGBOOK NO.
HNF-N-503-

ACTUAL SAMPLE DEPTH
COA

BILL OF LADING/AIR BILL NO.
N/A

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

MATRIX*

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

PRESERVATION

None None

TYPE OF CONTAINER

G/P G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

1-129 by ICPMs SEE ITEM (1) IN SPECIAL INSTRUCTIONS (Iodine-129)

SAMPLE NO.

B1T192 SOIL

MATRIX*

SAMPLE DATE SAMPLE TIME

1-25-08 1323

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

for a
3023012 057210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
M. A. White
RELINQUISHED BY/REMOVED FROM
MO 745
RELINQUISHED BY/REMOVED FROM
1-23-08 13:12
RELINQUISHED BY/REMOVED FROM
1-23-08 1400

DATE/TIME
1-25-08 1600
1-25-08 13:12
1-23-08 1400

RECEIVED BY/STORED IN
MO 745
RECEIVED BY/STORED IN
1-25-08 1600
RECEIVED BY/STORED IN
1-25-08 13:12
RECEIVED BY/STORED IN
1-23-08 1400

DATE/TIME
1-25-08 1600
1-25-08 13:12
1-23-08 1400

DATE/TIME
1-25-08 1600
1-25-08 13:12
1-23-08 1400

RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM

DATE/TIME
DATE/TIME
DATE/TIME

RECEIVED BY/STORED IN
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN

DATE/TIME
DATE/TIME
DATE/TIME

LABORATORY SECTION
RECEIVED BY
FINAL SAMPLE DISPOSITION

RECEIVED BY
DISPOSAL METHOD

DATE/TIME
DATE/TIME
DATE/TIME

DATE/TIME
DATE/TIME
DATE/TIME

NO page 2 attached
2/1/08 WNW

COLLECTOR I. K. Bailey
NCO Sampler M. A. White

SAMPLING LOCATION

1-66 25858 154.8' - 157.3'
ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX* POSSIBLE SAMPLE HAZARDS/ REMARKS

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

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

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

SEE ITEM (1) IN SPECIAL INSTRUCTIONS
 Moisture Content - D2216,

PROJECT COORDINATOR TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND 45 Days / 45 Days

SAF NO. F08-036

AIR QUALITY ☐

COA 12511ES10

METHOD OF SHIPMENT GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO. N/A

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO. 373-5869

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

HNF-N-503-

OFFSITE PROPERTY NO.

N/A

ACTUAL SAMPLE DEPTH

12511ES10

PRESERVATION	None	None
TYPE OF CONTAINER	Split Spoon Liner	Moisture Resistant Cont

NO. OF CONTAINER(S)

2 1

VOLUME

1000g 200g

SAMPLE NO.

BTT193

SOIL

MATRIX*

SAMPLE DATE SAMPLE TIME

1-25-08 1342

CHAIN OF POSSESSION

RECEIVED BY/REMOVED FROM

M. A. White

RECEIVED BY/REMOVED FROM

No 745 F.I.S. #1

RECEIVED BY/REMOVED FROM

1-25-08 13:12

RECEIVED BY/REMOVED FROM

1-25-08 1400

RECEIVED BY/REMOVED FROM

1-25-08 1400

RECEIVED BY/REMOVED FROM

1-25-08 1400

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1-25-08 1400

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1-25-08 1400

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1-25-08 1400

SIGN/ PRINT NAMES

RECEIVED BY/STORED IN

No 745 F.I.S. #1

RECEIVED BY/STORED IN

1-25-08 1600

RECEIVED BY/STORED IN

1-25-08 13:12

RECEIVED BY/STORED IN

1-25-08 1400

RECEIVED BY/STORED IN

1-25-08 1400

RECEIVED BY/STORED IN

1-25-08 1400

RECEIVED BY/STORED IN

1-25-08 1400

RECEIVED BY/STORED IN

1-25-08 1400

RECEIVED BY/STORED IN

1-25-08 1400

SPECIAL INSTRUCTIONS

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

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

COLLECTOR
NCO Sample **M. A. White** **J. K. Bailey**

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
I-67 **C5858** **157.5**

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.
HNFE-N-503-

SAF NO.
F08-036

AIR QUALITY ☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*

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

PRESERVATION

None None

TYPE OF CONTAINER

G/P G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

SAMPLE ANALYSIS

1-129 by ICPMS
(100me-129) SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B11K9

SAMPLE NO.

MATRIX*

SAMPLE DATE **SAMPLE TIME**

B11K94

SOIL

1-25-08 1350

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM

DATE/TIME

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DATE/TIME

RELINQUISHED BY/REMOVED FROM

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RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

SPECIAL INSTRUCTIONS
SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

NO page 2 attached

MMW 2/1/08

207# 207#
3233062 027210

COLLECTOR

J. K. Bailey

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

TURNAROUND

45 Days / 45 Days

NCO Sample ID, A. White

SAMPLING LOCATION

I-68

157.3' - 159.8'

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

ICE CHEST NO.

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

A=Air

DL=Drum

Liquids

DS=Drum

Solids

L=Liquid

O=Oil

S=Soil

SE=Sediment

T=Tissue

V=Vegetation

W=Water

WI=Wipe

X=Other

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to BIT1K9

SAMPLE ANALYSIS

SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

BIT195

SOIL

1-25-08 1401

✓ ✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

LET# 3307062

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

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RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

DISPOSED BY

DATE/TIME

DISPOSED BY

DATE/TIME

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ
373-5869

TELEPHONE NO.

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-69
ICE CHEST NO.

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.
HNF-N-503-

SAF NO. F08-036

AIR QUALITY ☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*

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

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

PRESERVATION

None None

TYPE OF CONTAINER

G/P G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT1K9

SAMPLE ANALYSIS

1-129 by ICPMS
(Iodine-129)
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

BIT196

MATRIX*

SAMPLE DATE 1-25-08
SAMPLE TIME 1412

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM

DATE/TIME

SIGN/ PRINT NAMES

DATE/TIME

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

M. A. White

1-25-08 1600

NO 745 Frig 1-25-08

1600

NO page 2 attached

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MMV 2/1/08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MMV 2/1/08

RELINQUISHED BY/REMOVED FROM

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DATE/TIME

MMV 2/1/08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MMV 2/1/08

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

M. A. White

J. K. Bailey

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

SAMPLING LOCATION

I-71 65858 / 62.5

ICE CHEST NO.

I-71 65858 / 62.5

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐45 Days / 45
Days

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

123511ES10

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

SF=Sediment

T=Tissue

V=Vegetation

W=Water

WI=Wipe

X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

Contains Radioactive Material at concentrations

that are not regulated for transportation per 49

CFR but are not releasable per DOE Order

5400.5 (1990/1993)

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SAMPLE ANALYSIS

1-123 by ICPMS
(100me-129)SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B11K9

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B11198

SOIL

1-25-08

1434

✓

✓

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M. A. White

1-25-08 1600

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M. A. White

1-25-08 1312

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M. A. White

1-25-08 1400

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M. A. White

1-25-08 1400

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M. A. White

1-25-08 1400

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M. A. White

1-25-08 1400

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M. A. White

1-25-08 1400

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M. A. White

1-25-08 1400

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M. A. White

1-25-08 1400

RELINQUISHED BY/REMOVED FROM

DATE/TIME

M. A. White

1-25-08 1400

SIGN/ PRINT NAMES

RECEIVED BY/STORED IN

DATE/TIME

M. A. White

1-25-08 1600

RECEIVED BY/STORED IN

DATE/TIME

M. A. White

1-25-08 1312

RECEIVED BY/STORED IN

DATE/TIME

M. A. White

1-25-08 1400

RECEIVED BY/STORED IN

DATE/TIME

M. A. White

1-25-08 1400

RECEIVED BY/STORED IN

DATE/TIME

M. A. White

1-25-08 1400

RECEIVED BY/STORED IN

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M. A. White

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M. A. White

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RECEIVED BY/STORED IN

DATE/TIME

M. A. White

1-25-08 1400

RECEIVED BY/STORED IN

DATE/TIME

M. A. White

1-25-08 1400

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

NO page 2 attached

M. A. White

2/1/08

TITLE

DATE/TIME

TITLE

DATE/TIME

TITLE

DATE/TIME

TITLE

DATE/TIME

TITLE

DATE/TIME

TITLE

DATE/TIME

COLLECTOR **M. A. White** J. K. Bailey
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE **8N**

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-72 **CS858** 162.6'-165.1'
ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.

SAF NO.
F08-036

AIR QUALITY ☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*

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

PRESERVATION

None None

TYPE OF CONTAINER

Split Spoon Liner Moisture Resistant Cont

NO. OF CONTAINER(S)

2 1

VOLUME

1000g 200g

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

SEE ITEM (1) IN SPECIAL INSTRUCTIONS
Moisture Content - D2216;

SAMPLE NO.

B1T199 SOIL

MATRIX*

SAMPLE DATE 1-25-08 SAMPLE TIME 1450

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

LOT #
3207062

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

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DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR M.A. White J.K. Bailey
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-73 C5858 165.0'

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.
F08-036

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA
12351IES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

MATRIX*

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

PRESERVATION

None None

TYPE OF CONTAINER

G/P G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

SAMPLE ANALYSIS

1-129 by JCPMS
(Iodine-129)
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1L0

SAMPLE NO.

MATRIX*

SAMPLE DATE **SAMPLE TIME**

B1T1B0 SOIL

1-25-08 1456

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

LOT# 3207062 037210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

M.A. White

Ma White 1-25-08 1600

Mo 745 Frig 1-25-08

1600

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Mo 745 Frig 1-25-08 1312

Alfreda Williams 1-25-08 1312

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Ed Knox / Kim Allen 1-25-08 1400

Don Smith 1-25-08 1400

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

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DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

no page 2 attached
mmw 2/1/08

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

Age Group	Percentage of respondents
18-29	~65
30-49	~75
50-69	~85
70+	~90

7

SPECIAL INSTRUCTIONS

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

TITLE

ESL 2981(2) 2988(2)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-036-075

PAGE 1 OF 2

COLLECTOR

NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

1-75 C5858 167.5

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

14NFC-N-503-

ACTUAL SAMPLE DEPTH

COA

123511ES10

AIR QUALITY

☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T10

SAMPLE ANALYSIS

1-129 by ICMS
(Iodine-129)
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

B1T1B2

MATRIX*

SOIL

1/29/08 0915 ✓ ✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
K. J. Young

DATE/TIME
1/29/08 1600

RECEIVED BY/STORED IN
MO-745 Ref #1

DATE/TIME
1/29/08 1600

RELINQUISHED BY/REMOVED FROM
MO 745 R.A. #1

DATE/TIME
JAN 30 2008

RECEIVED BY/STORED IN
D. E. PARCHEN

DATE/TIME
JAN 30 2008

RELINQUISHED BY/REMOVED FROM
Fluor Hanford

DATE/TIME
JAN 30 2008

RECEIVED BY/STORED IN
C. J. TOW

DATE/TIME
1/30/08 1430

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ECL 3989

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F08-036-075

PAGE 2 OF 2

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND
45 Days / 45
Days

SAMPLING LOCATION

1-75

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

14NFC-N-503-

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

K1. Young

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

I-76 CS858 167.5 - 176.0

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

FIELD LOGBOOK NO.

N/A

ACTUAL SAMPLE DEPTH

COA

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

Contains 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

NO. OF CONTAINER(S)

2

TYPE OF CONTAINER

Spill Spoon

Moisture Resistant Cont

VOLUME

1000g

200g

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to BIT110

SAMPLE ANALYSIS

SEE ITEM (1) IN SPECIAL INSTRUCTIONS
Moisture Content - D2216

SAMPLE NO.

B1T1B3

MATRIX*

SOIL

SAMPLE DATE

1/29/08 0930

✓

✓

CHAIN OF POSSESSION

SIGN/PRINT NAMES

3207062

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

K1. Young

DATE/TIME

1/29/08 1600

RECEIVED BY/STORED IN

MO-745 Ref #1

DATE/TIME

1/29/08 1600

RELINQUISHED BY/REMOVED FROM

MO-745 Ref #1

DATE/TIME

JAN 30 2000

RECEIVED BY/STORED IN

D.E. PARCHEN

DATE/TIME

JAN 30 2000

RELINQUISHED BY/REMOVED FROM

D.E. PARCHEN

DATE/TIME

JAN 30 2000

RECEIVED BY/STORED IN

G. T. J. J. J.

DATE/TIME

1/30/08 1430

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

DATE/TIME

DATE/TIME

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

DATE/TIME

DATE/TIME

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

DATE/TIME

DATE/TIME

RECEIVED BY/STORED IN

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RELINQUISHED BY/REMOVED FROM

DATE/TIME

DATE/TIME

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

DATE/TIME

DATE/TIME

LABORATORY SECTION

RECEIVED BY

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ESL 2990/13

2991/13

DATA TURNAROUND

45 Days / 45 Days

BILL OF LADING/AIR BILL NO.
N/A

SPECIAL INSTRUCTIONS

5

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

3. ALL FOR ALL SPECIAL INSTRUCTIONS

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

COLLECTOR
NCO Sampler

SAMPLING LOCATION

1-77

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

HN6-N-503-

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha}, BETA_AE {Gross beta}, RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238}, 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc}, 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium}, 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc}, 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc}, 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium}, 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc}, 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium}, 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion}, IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate}, TIC - 415.1M {Total Inorganic Carbon}, TOC - 415.1 {Total organic carbon}, pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

K2. Youngs

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

1-79

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

A=Air
DL=Drum
L=Liquid
PS=Drum
Solids

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T110

SAMPLE ANALYSIS

1-129 by JCAMS (100me-129)
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

B1T11B6

MATRIX*

SOIL

SAMPLE DATE SAMPLE TIME

1/29/06 1320

✓

✓

Lot #

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3207062 026057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

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DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			45 Days / 45 Days
SAMPLING LOCATION	PROJECT DESIGNATION	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT	
1-79	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	HNF-N-503		123511ES10	GOVERNMENT VEHICLE	
ICE CHEST NO.	OFFSITE PROPERTY NO.		BILL OF LADING/AIR BILL NO.			
	N/A		N/A			

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE.

COLLECTOR

NCO Sampler *K.J. Lyons*

SAMPLING LOCATION

I-80

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS
A=Air
DL=Drum
Liquids
DS=Drum
Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
X=Other

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT110

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

PRESERVATION

None

None

TYPE OF CONTAINER

Spill Spoon
Liner

Moisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SEE ITEM (1) IN
SPECIAL INSTRUCTIONS
Moisture Content - D2216,

SAMPLE NO.

BIT1B7

MATRIX*

SOIL

SAMPLE DATE SAMPLE TIME

1/29/08 1330

✓ ✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3207062

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

K.J. Lyons

DATE/TIME

1/29/08 1600

RECEIVED BY/STORED IN

MO-745 REF #1

DATE/TIME

1/29/08 1600

RELINQUISHED BY/REMOVED FROM

MO 745 REF #1

DATE/TIME

JAN 30 2008

RECEIVED BY/STORED IN

FLUOR HANFORD

DATE/TIME

JAN 30 2008

RELINQUISHED BY/REMOVED FROM

FLUOR HANFORD

DATE/TIME

JAN 30 2008

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

DATE/TIME

1/30/08

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

DATE/TIME

DATE/TIME

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

DATE/TIME

DATE/TIME

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

DATE/TIME

DATE/TIME

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

DATE/TIME

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ESL 29946(3) 2997(2)

COLLECTOR

NCO Sampler *KJ.-/6003*

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

SAMPLING LOCATION

I-81

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐45 Days / 45
Days

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

12351IES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

N/A

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

A=Air

DL=Drum

Liquids

DS=Drum

Solids

L=Liquid

O=Oil

S=Soil

SE=Sediment

T=Tissue

V=Vegetation

W=Water

WI=Wipe

X=Other

Contains 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

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SAMPLE ANALYSIS

1-129 by TCMPS
(100me-129)SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to BITTIL0

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B1T1B8

SOIL

1/29/08 1345

✓

✓

Lot #'s

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3207662 020057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

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DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

SAMPLING LOCATION

1-81

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

45 Days / 45
Days

SAF NO.

F08-036

AIR QUALITY

☐

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

ANF-N-503-

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

177.5

I-82

ICE CHEST NO.

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.
HNF-N-503-

SAF NO.
F08-036

AIR QUALITY ☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

N/A

N/A

MATRIX*

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

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B11110

SAMPLE ANALYSIS

1-129 by ICMS (100me-129) SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

B111B9

MATRIX*

SOIL

SAMPLE DATE 1-29-08 **SAMPLE TIME** 1413

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3231082

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
D.E. PARKER
RELINQUISHED BY/REMOVED FROM
MO 745 REF #1
RELINQUISHED BY/REMOVED FROM
FLUOR HANFORD
RELINQUISHED BY/REMOVED FROM
D.E. PARKER

DATE/TIME: 1-29-08
DATE/TIME: 1-29-08
DATE/TIME: 1-29-08
DATE/TIME: 1-29-08
DATE/TIME: 1-29-08

RECEIVED BY/STORED IN
D.E. PARKER
RECEIVED BY/STORED IN
C. TOWLE
RECEIVED BY/STORED IN
D.E. PARKER

DATE/TIME: 1-29-08
DATE/TIME: 1-29-08
DATE/TIME: 1-29-08
DATE/TIME: 1-29-08
DATE/TIME: 1-29-08

DATE/TIME: 1-29-08
DATE/TIME: 1-29-08
DATE/TIME: 1-29-08
DATE/TIME: 1-29-08
DATE/TIME: 1-29-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

DATE/TIME

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	TRENT, SJ			45 Days / 45 Days
SAMPLING LOCATION	PROJECT DESIGNATION	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	SAF NO.	AIR QUALITY	<input type="checkbox"/>
1-82	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	1-105-N-503	COA	F08-036		
ICE CHEST NO.	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.	METHOD OF SHIPMENT	GOVERNMENT VEHICLE		
	N/A	N/A	12351IES10			

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

PAGE 1 OF 2

A-6003-618(01/06)

A-6003-618/01/06)

DATE/TIME

A-6003-618(01/06)

COLLECTOR

NCO Sampler

SAMPLING LOCATION

1-83

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

**DATA
TURNAROUND**

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-503

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR
NCO Sampler

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

1-84

ICE CHEST NO.

182.51

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

14NF-N-503-

SAF NO.
F08-036

AIR QUALITY
☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

N/A

N/A

BILL OF LADING/AIR BILL NO.

MATRIX*

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT11L

SAMPLE ANALYSIS

1-129 by ICMS
{Iodine-129}
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

BIT11C1

MATRIX*

SOIL

SAMPLE DATE

1-29-08

SAMPLE TIME

1528

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

Fluor Hanford

D. E. PARSONS

RELINQUISHED BY/REMOVED FROM

Fluor Hanford

RELINQUISHED BY/REMOVED FROM

Fluor Hanford

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

DATE/TIME RECEIVED BY/STORED IN

1-29-08

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME RECEIVED BY/STORED IN

1-29-08

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

LABORATORY SECTION

RECEIVED BY

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

TITLE

DISPOSED BY

DATE/TIME

DATE/TIME

ESL 3001

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-84

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

HNF-N-503-

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADIO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADIO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

K. Youngs

COMPANY CONTACT
TRENT, SJ
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA
TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

1-85 C5856 185'

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.
F08-036

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

BILL OF LADING/AIR BILL NO.

MATRIX* POSSIBLE SAMPLE HAZARDS/ REMARKS

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

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

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

1-129 by ICPMs
(10line-129)
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

B1T1C2 SOIL

MATRIX*

SAMPLE DATE SAMPLE TIME

11/30/08 0830

✓

✓

Lot #

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3231062 626057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

K. Youngs
RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

11/30/08 1600
RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

11/31/08 1330
RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

11/31/08 1400
RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

11/31/08 1400
RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

11/31/08 1400
RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

SAMPLING LOCATION

1-85

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

ICE CHEST NO.

HNF-N-503-

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler *KJ. Young*

SAMPLING LOCATION

I-86 *C5858* 167.5

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS
 A=Air
 DL=Drum
 Liquids
 DS=Drum
 Solids
 L=Liquid
 O=Oil
 S=Soil
 SF=Sediment
 T=Tissue
 V=Vegetation
 W=Water
 WI=Wipe
 X=Other

SPECIAL HANDLING AND/OR STORAGE
 Radioactive tie to B1T1L1

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COMPANY CONTACT

TRENT, SJ 373-5869

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

HN5-N-503

OFFSITE PROPERTY NO.

N/A

PROJECT COORDINATOR

TRENT, SJ

SAF NO.

F08-036

COA

123511ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE 8N

DATA TURNAROUND 45 Days / 45 Days

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B1T1C3 SOIL

1/30/08 0855

✓ ✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3231682 026057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

KJ. Young 1/30/08 1600

DATE/TIME

MG. JAS 1/30/08 1600

DATE/TIME

1/10-745 1/31/08 1330

DATE/TIME

PB. CRO 1/31/08 1330

DATE/TIME

PB. CRO 1/31/08 1400

DATE/TIME

C. JUVIN 1/31/08 1400

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
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SAMPLING LOCATION 1-86	PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	SAF NO. F08-036	AIR QUALITY <input type="checkbox"/>
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ICE CHEST NO.	FIELD LOGBOOK NO. HANF-N-503-	ACTUAL SAMPLE DEPTH COA	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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE.

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

I-87

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

ICE CHEST NO.

HNF-N-503

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SHIPPED TO

Environmental Sciences Laboratory

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR **KJ. Youngs**
NCO Sampler
SAMPLING LOCATION **C5856 192.5**
I-088
ICE CHEST NO.

COMPANY CONTACT
TRENT, SJ
PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.

TELEPHONE NO.
373-5869
PROJECT COORDINATOR
TRENT, SJ
PRICE CODE
8N
SAF NO.
F08-036
AIR QUALITY ☐
45 Days / 45 Days
TURNAROUND

ACTUAL SAMPLE DEPTH
COA
12351IES10
METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/ABILL OF LADING/AIR BILL NO.
N/A

MATRIX* POSSIBLE SAMPLE HAZARDS/ REMARKS

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

Contains 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 G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

1-129 by ICNMS
(100me-129)
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B1T1C5 SOIL

1/30/08 0935

✓

✓

Lot #
CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3231082 036057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

KJ. Youngs

1/30/08 1600

MC-745 R&F #1

1/30/08 1600

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RB.Cano

1/31/08 1330

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY RECEIVED BY
SECTION
FINAL SAMPLE DISPOSITION DISPOSAL METHOD

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNARO UND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			45 Days / 45 Days
SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY			
I-088	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036		<input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT		
			12351IES10	GOVERNMENT VEHICLE		
SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.				
Environmental Sciences Laboratory	N/A	N/A				

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE:

COLLECTOR

NCO Sampler

JR Bailey

SAMPLING LOCATION

1-089 CS852 195'

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1L2

SAMPLE NO.

B1T1C6

SOIL

MATRIX*

SAMPLE DATE

1/30/08

SAMPLE TIME

1255

1/30/08

LOT #

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

323082 026057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

JR Bailey

DATE/TIME

1/30/08 1600

RELINQUISHED BY/REMOVED FROM

MO 745

DATE/TIME

1/31/08 1330

RELINQUISHED BY/REMOVED FROM

P.B. Cano

DATE/TIME

1/31/08 1400

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

LABORATORY SECTION

RECEIVED BY

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

SAF NO.

F08-036

AIR QUALITY

☐

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SAMPLE ANALYSIS

1-129 by JCPHS SEE ITEM (1) IN SPECIAL INSTRUCTIONS (Isotopes 129)

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION I-089	PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	SAF NO. F08-036	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA 123511ES10	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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADIO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADIO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

K1. Young

SAMPLING LOCATION

I-090 C 5858 197.5

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

MATRIX* POSSIBLE SAMPLE HAZARDS/ REMARKS

A=Air

DL=Drum

Liquids

DS=Drum

Solids

L=Liquid

O=Oil

S=Soil

SE=Sediment

T=Tissue

V=Vegetation

W=Water

WI=Wipe

X=Other

Contains 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

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SAMPLE ANALYSIS

I-129 by ICPMS SEE ITEM (1) IN SPECIAL INSTRUCTIONS (Iodine-129)

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1L2

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T1C7

SOIL

1/30/08

1345

✓

✓

Lot

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3231062 626057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

K1. Young

1/30/08 1600

MO. 745 RCF #1

1/30/08 1600

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO. 745 RCF #1

1/31/08 1330

P.B. CARO

1/31/08 1330

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

P.B. CARO

1/31/08 1400

C. ITOH

1/31/08 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

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	TRENT, SJ			45 Days / 45 Days

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	<input type="checkbox"/>		
I-090	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036				

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT		
			123511ES10	GOVERNMENT VEHICLE		

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

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

Kevin Patterson
NCO Sampler

COMPANY CONTACT

TRENT, SJ
373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

SAMPLING LOCATION

2-C-17

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Part

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/REMARKS

Contains 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

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SAMPLE ANALYSIS

1-129 by ICMS
(100me-129)
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to BIT1L2

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

BIT1C8 SOIL

2/6/08 1000

✓

✓

CHAIN OF POSSESSION

LOT #

N/A # 026057

SIGN/PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
Kevin Patterson

2/6/08

DATE/TIME
1530

RECEIVED BY/STORED IN
N/A # 026057

2/6/08

DATE/TIME
1530

RELINQUISHED BY/REMOVED FROM
Fluor Hanford

2/6/08

DATE/TIME
1530

RECEIVED BY/STORED IN
N/A # 026057

2/6/08

DATE/TIME
1530

RELINQUISHED BY/REMOVED FROM
MLO 745 Ref #1

2-11-08

DATE/TIME
0800

RECEIVED BY/STORED IN
L.J. Rose

2-11-08

DATE/TIME
0800

RELINQUISHED BY/REMOVED FROM
L.J. Rose

2-11-08

DATE/TIME
0800

RECEIVED BY/STORED IN
D. Smith

2-11-08

DATE/TIME
0800

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-091

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

45 Days / 45
Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

12351IES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

K.C. Peterson

SAMPLING LOCATION

1-092 202, S

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS
 A=Air
 DL=Drum
 Liquids
 DS=Drum
 Solids
 L=Liquid
 O=Oil
 S=Sediment
 T=Tissue
 V=Vegetation
 W=Water
 WI=Wipe
 X=Other

SPECIAL HANDLING AND/OR STORAGE
 Radioactive tie to B1T1L2

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

OFFSITE PROPERTY NO.

N/A

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

AIR QUALITY

☐

SAF NO.

F08-036

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

SAMPLE NO.

B1T1C9

SOIL

MATRIX*

SAMPLE DATE

2/6/08 1030

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR NCO Sampler	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION I-092	PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	SAF NO. F08-036	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA 12351IES10	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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler **K.C. Patterson**

SAMPLING LOCATION

I-093 **205**

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

SPECIAL HANDLING AND/OR STORAGE
 Radiactive tie to BITLL2

COMPANY CONTACT

TRENT, SJ
 373-5869

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

OFFSITE PROPERTY NO.

COA

BILL OF LADING/AIR BILL NO.

N/A

N/A

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SAMPLE NO.

BTT1D0

SOIL

MATRIX*

SAMPLE DATE

2/6/08 1058

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

104200 26057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

K.C. Patterson

DATE/TIME

2/6/08 1558

RELINQUISHED BY/REMOVED FROM

M10 745 Ref #1

DATE/TIME

2-11-08 0800

RELINQUISHED BY/REMOVED FROM

L.J. Roseane

DATE/TIME

2/10/08 1730

RELINQUISHED BY/REMOVED FROM

D Smith

DATE/TIME

2/10/08 1730

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

DATE/TIME

2/6/08 1558

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

DATE/TIME

2/6/08 1558

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

ESL 2/11/08

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	<input type="checkbox"/>
I-093	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036		

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123511ES10	GOVERNMENT VEHICLE

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

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR
NCO Sampler
K.C. Patterson

COMPANY CONTACT
TRENT, SJ
373-5869

TELEPHONE NO.

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-094

304.5 - 200

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA
123511ES10

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

A=Air

DL=Drum

Liquids

DS=Drum

Solids

L=Liquid

O=Oil

S=Soil

SE=Sediment

T=Tissue

V=Vegetation

W=Water

WI=Wipe

X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

Split Spoon Liner

Moisture Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1L2

SAMPLE ANALYSIS

SEE ITEM (1) IN SPECIAL INSTRUCTIONS
Moisture Content - D2216;

SAMPLE NO.

B1T1D1

MATRIX*

SOIL

SAMPLE DATE

SAMPLE TIME

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM

K.C. Patterson

DATE/TIME

24/08 1530

RECEIVED BY/STORED IN

MOJUS

DATE/TIME

24/08 1530

RELINQUISHED BY/REMOVED FROM

MOJUS

DATE/TIME

0800

RECEIVED BY/STORED IN

L.J. Rosane

DATE/TIME

2-11-08 0300

RELINQUISHED BY/REMOVED FROM

L.J. Rosane

DATE/TIME

21/08 0730

RECEIVED BY/STORED IN

Dynal

DATE/TIME

21/08 0730

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

110678

SPECIAL INSTRUCTIONS

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

F-54 304.5 (3) 204511(2)

COLLECTOR
NCO Sampler **K. C. Patterson**

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-095 **2045 - 207'**

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SAMPLE ANALYSIS

I-129 by ICPMS SEE ITEM (1) IN SPECIAL INSTRUCTIONS (Iodine-129)

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T1L2

SAMPLE NO.

MATRIX*

SAMPLE DATE **SAMPLE TIME**

B1T1D2

SOIL

2/6/08 1110

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

104233 07210

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
K. C. Patterson
2/6/08 1550

RECEIVED BY/STORED IN
MOTUS LEECH
2/6/08 1550

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

RELINQUISHED BY/REMOVED FROM
710 745 K.F. #1
2-11-08 0800

RECEIVED BY/STORED IN
L.J. Rosane
2-11-08 0800

RELINQUISHED BY/REMOVED FROM
L.J. Rosane
2-11-08 0800

RECEIVED BY/STORED IN
Dsmith
2-11-08 0800

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

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 45 Days / 45 Days
	NCO Sampler		TRENT, SJ 373-5869	TRENT, SJ			
SAMPLING LOCATION	PROJECT DESIGNATION		SAF NO.		AIR QUALITY	<input type="checkbox"/>	
I-095	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par		F08-036				
ICE CHEST NO.	FIELD LOGBOOK NO.		ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT		
				123511ES10	GOVERNMENT VEHICLE		
SHIPPED TO	OFFSITE PROPERTY NO.		BILL OF LADING/AIR BILL NO.				
Environmental Sciences Laboratory	N/A		N/A				

COLLECTOR
NCO Sampler
K.C. Patterson

COMPANY CONTACT
TRENT, SJ
373-5869

TELEPHONE NO.

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

208 207.6-210.1

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO. F08-036

AIR QUALITY ☐

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

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

PRESERVATION

None None

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

TYPE OF CONTAINER

Split Spoon Liner Moisture Resistant Cont

NO. OF CONTAINER(S)

2 1

VOLUME

1000g 200g

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to B1T1L2

SAMPLE ANALYSIS

SEE ITEM (1) IN SPECIAL INSTRUCTIONS
Moisture Content - D2216

SAMPLE NO.

B1T1D3

MATRIX*

SAMPLE DATE 2/6/08
SAMPLE TIME 1325

*NOT RECD
Tie to
B1T1D3
PAC of 14700000*

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

112978

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM
K.C. Patterson
DATE/TIME 1/30/08
RECEIVED BY/STORED IN
MORAN-KEAT
DATE/TIME 2/6/08
RELINQUISHED BY/REMOVED FROM
Milo 745 Keat #1
DATE/TIME 2-11-08
RECEIVED BY/STORED IN
L.J. Rosane
DATE/TIME 2-11-08
RELINQUISHED BY/REMOVED FROM
L.J. Rosane
DATE/TIME 2-11-08
RECEIVED BY/STORED IN
D. Smith
DATE/TIME 2/11/08

*SPLIT spoon only 45% full unable to obtain
Moish - 200g. Sample
Linen are both 75% full.*

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSED BY

DATE/TIME

FCL-2053(2) 2054(1)

COLLECTOR
NCO Sampler
K. C. Patterson

COMPANY CONTACT
TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE
8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION
1-097
210

PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.
F08-036

AIR QUALITY
☐

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

ICE CHEST NO.
210

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/A

BILL OF LADING/AIR BILL NO.
N/A

MATRIX*

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

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT1L2

SAMPLE ANALYSIS

1-129 by ICMS
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.
BIT1D4
MATRIX*
SOIL

SAMPLE DATE
2/6/08
SAMPLE TIME
1400

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

110674 2657

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
K. C. Patterson
DATE/TIME
2/6/08 1530

RECEIVED BY/STORED IN
MOTAS KETAY
DATE/TIME
2/6/08 1530

RELINQUISHED BY/REMOVED FROM
Mb 745 Ket #1
DATE/TIME
2-11-08 0800

RECEIVED BY/STORED IN
L. J. Rosane
DATE/TIME
2-11-08 0800

RELINQUISHED BY/REMOVED FROM
L. J. Rosane
DATE/TIME
2-11-08 0800

RECEIVED BY/STORED IN
D Smith
DATE/TIME
2-11-08 0800

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

RECEIVED BY/STORED IN

DISPOSED BY

DATE/TIME

FSL 2005

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	<input type="checkbox"/>	
I-097	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036			

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123511ES10	GOVERNMENT VEHICLE

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

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH {Water} - 9045_WE;

COLLECTOR
NCO Sampler **K.C. Patterson**

COMPANY CONTACT
TRENT, SJ 373-5869

PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N

DATA TURNAROUND
45 Days / 45 Days

SAMPLING LOCATION

I-098

ICE CHEST NO.

210 - 212.5

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

PRESERVATION

None

None

TYPE OF CONTAINER

Split Spoon Liner

Moisture Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1L3

SAMPLE ANALYSIS

SEE ITEM (1) IN SPECIAL INSTRUCTIONS
Moisture Content - D2216;

SAMPLE NO.

B1T1D5

MATRIX*

SOIL

SAMPLE DATE

2/6/08 1425

SAMPLE TIME

CHAIN OF POSSESSION

RECEIVED BY / REMOVED FROM

RELINQUISHED BY / REMOVED FROM

RELINQUISHED BY / REMOVED FROM

RELINQUISHED BY / REMOVED FROM

RELINQUISHED BY / REMOVED FROM

RELINQUISHED BY / REMOVED FROM

RELINQUISHED BY / REMOVED FROM

LABORATORY SECTION

RECEIVED BY

FINAL SAMPLE DISPOSITION

SIGN/ PRINT NAMES

W/L 11/29/78

SPECIAL INSTRUCTIONS

(1) Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity; CAT10NEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

DATE/TIME

RECEIVED BY / STORED IN

DATE/TIME

DATE/TIME

RECEIVED BY / STORED IN

DATE/TIME

DATE/TIME

RECEIVED BY / STORED IN

DATE/TIME

DATE/TIME

RECEIVED BY / STORED IN

DATE/TIME

DATE/TIME

RECEIVED BY / STORED IN

DATE/TIME

DATE/TIME

RECEIVED BY / STORED IN

DATE/TIME

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

72

CHAIN OF CUSTODY / SAMPLE ANALYSIS REQUEST			F08-036-099	PAGE 2	OF 2
COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	TURNAROUND
SAMPLING LOCATION	PROJECT DESIGNATION		SAF NO.	AIR QUALITY	45 Days / 45 Days
I-099	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par		F08-036	<input type="checkbox"/>	
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT	
			12351IES10	GOVERNMENT VEHICLE	
SHIPPED TO	OFFSITE PROPERTY NO.		BILL OF LADING / AIR BILL NO.		
Environmental Sciences Laboratory	N/A		N/A		

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE.

COLLECTOR **K. C. Patterson**

NCO Sampler

SAMPLING LOCATION

I-100

212 - 214

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

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

SPECIAL HANDLING AND/OR STORAGE

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E3-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

OFFSITE PROPERTY NO.

COA

PRESERVATION

N/A

TYPE OF CONTAINER

Split Spoon
Liner
Moisture
Resistant Cont

NO. OF CONTAINER(S)

2 1

VOLUME

1000g 200g

SAMPLE ANALYSIS

SAMPLE NO.

BT11D7

SOIL

MATRIX*

SAMPLE DATE

2/6/08 1455

SAMPLE TIME

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

LABORATORY

SECTION

FINAL SAMPLE

DISPOSITION

SIGN/PRINT NAMES

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

RECEIVED BY

RECEIVED BY

RECEIVED BY

SPECIAL INSTRUCTIONS

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

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

AIR QUALITY

45 Days / 45 Days

SAF NO.

F08-036

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.

N/A

TITLE

DATE/TIME

DISPOSED BY

DATE/TIME

COLLECTOR

K. C. Patterson

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND45 Days / 45
Days

SAMPLING LOCATION

1-101

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B11L3

SAMPLE ANALYSIS

1-129 by ICPMS
(todine-129)
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B11TD8

SOIL

2/6/08 1510

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

1/30502126057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

K. C. Patterson

DATE/TIME

2/6/08 1510

RECEIVED BY/STORED IN

MOTHS REF#1

DATE/TIME

2/6/08 1510

RELINQUISHED BY/REMOVED FROM

MO 745 REF #1

DATE/TIME

2/11/08 0800

RECEIVED BY/STORED IN

L. J. Rosano

DATE/TIME

2/11/08 0800

RELINQUISHED BY/REMOVED FROM

L. J. Rosano

DATE/TIME

2/11/08 0800

RECEIVED BY/STORED IN

D Smith

DATE/TIME

2/11/08 0800

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY

SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ESL 2061

COLLECTOR NCO Sampler	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION 1-101	PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	SAF NO. F08-036	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH COA	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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADIO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADIO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler *K.J. Jones*

SAMPLING LOCATION

I-102 *C5050 215 - 217.5*

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

AIR QUALITY

☐

45 Days / 45 Days

SAF NO.

F08-036

COA

12351IES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

Contains 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

Split Spoon Liner Moisture Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B171L3

SAMPLE ANALYSIS

SEE ITEM (1) IN SPECIAL INSTRUCTIONS
Moisture Content - D2216;

SAMPLE NO.

B171D9

MATRIX*

SOIL

SAMPLE DATE

2/7/08 0900

✓

✓

CHAIN OF POSSESSION

Lot #

1305071

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

K.J. Jones

DATE/TIME

2/7/08 1600

RECEIVED BY/STORED IN

MO-7415 REF#1

DATE/TIME

2/7/08 1600

RELINQUISHED BY/REMOVED FROM

MO 7415 REF#1

DATE/TIME

2-11-08 0800

RECEIVED BY/STORED IN

3 E PARCHEN

DATE/TIME

2-11-08 0800

RELINQUISHED BY/REMOVED FROM

Fluor Hanford

DATE/TIME

2-11-08 0800

RECEIVED BY/STORED IN

3 E PARCHEN

DATE/TIME

2-11-08 0800

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler *K. J. Evans*

SAMPLING LOCATION

I-103 *C5658* 217.5

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ 373-5869

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511E510

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

AIR QUALITY

☐

DATA TURNAROUND
45 Days / 45 Days

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B11L3

SAMPLE ANALYSIS

I-129 by ICPMS
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B11F0

SOIL

2/7/08 0925

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

1305021 026057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

K. J. Evans 2/7/08 1600

1600

Mc-745 Refd 2/7/08 1600

1600

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MO 745 Refd 2-11-08

2-11-08

D. E. PARCHEN 2-11-08

2-11-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

SAMPLING LOCATION

I-103

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

141.76 tons

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

I-104 C5858 217.5 - 220.0

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

PRESERVATION

None

None

TYPE OF CONTAINER

Split Spoon
Liner

Moisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

SEE ITEM (1) IN Moisture
SPECIAL Content - D2216;
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B171F1

SOIL

2/7/08

0950

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM
KJ. Thompson 2/7/08

DATE/TIME
1600

RECEIVED BY/STORED IN
MO-745 Ref #1

DATE/TIME
2/7/08

DATE/TIME
1600

RELINQUISHED BY/REMOVED FROM
MO 745 Ref #1

DATE/TIME
2-11-08

RECEIVED BY/STORED IN
D.E. PARCHEN

DATE/TIME
2-11-08

DATE/TIME
2-11-08

RELINQUISHED BY/REMOVED FROM
Fluor Hanford

DATE/TIME
2-11-08

RECEIVED BY/STORED IN
D.E. PARCHEN

DATE/TIME
2-11-08

DATE/TIME
2-11-08

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ESL 2045 (3) 2046 (2)

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-105 215.9

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-8P-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

12351IES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

A=Air

DL=Drum

Liquids

DS=Drum

Solids

L=Liquid

O=Oil

S=Soil

SE=Sediment

T=Tissue

V=Vegetation

W=Water

WI=Wipe

X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to BITTL3

SAMPLE ANALYSIS

1-129 by ICPMS
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

BITTF2

SOIL

2-5-08

0755

6

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

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DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

FCI 201-7

COLLECTOR NCO Sampler	COMPANY CONTACT TRENT, SJ	TELEPHONE NO. 373-5869	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
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SAMPLING LOCATION I-105	PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	SAF NO. F08-036	AIR QUALITY <input type="checkbox"/>
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ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA 12351IES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE
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SHIPPED TO Environmental Sciences Laboratory	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A
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SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity} {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR
NCO SamplerCOMPANY CONTACT
TRENT, SJTELEPHONE NO.
373-5869PROJECT COORDINATOR
TRENT, SJPRICE CODE
8NDATA
TURNAROUND
45 Days / 45 DaysSAMPLING LOCATION
I-106PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling ParSAF NO.
F08-036AIR QUALITY
☐

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA
123511ES10METHOD OF SHIPMENT
GOVERNMENT VEHICLESHIPPED TO
Environmental Sciences LaboratoryOFFSITE PROPERTY NO.
N/ABILL OF LADING/AIR BILL NO.
N/AMATRIX*
A=Air
DL=Drum
Liquids
DS=Drum
Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

Split Spoon
Liner
Moisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE
Radioactive tie to BIT113SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS
Moisture
Content - D2216.

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

BIT1F3

SOIL

2/8/83 0800

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

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RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY
SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE
DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

ES-
3/16/83(3) 3/16/83(2)

DATA TURNAROUND

45 Days / 45 Days

100

DATE/TIME

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

SAMPLING LOCATION

I-107

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

123511ES10

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

DATA TURNAROUND

45 Days / 45 Days

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

density; Particle Size (Hydrometer) - D4-22; saturated Hydraulic Conductivity; IONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

TITLE	DATE/TIME
DISPOSED BY	DATE/TIME

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-109 225'

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1L4

SAMPLE ANALYSIS

1-129 by JCPMS
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE NO.

B1T1F6

MATRIX*

SOIL

SAMPLE DATE

2-8-08

SAMPLE TIME

1115

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

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DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F08-036-109	PAGE 2 OF 2
COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	TURNAROUND
SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY		45 Days / 45 Days
I-109	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036			
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT	
			123511E510	GOVERNMENT VEHICLE	
SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.			
Environmental Sciences Laboratory	N/A	N/A			

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR KJ. Youngs
SAMPLING LOCATION I-111 C5858 227.5
ICE CHEST NO.

COMPANY CONTACT TRENT, SJ
PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.

TELEPHONE NO. 373-5869
PROJECT COORDINATOR TRENT, SJ
SAF NO. F08-036
COA 123511ES10

PRICE CODE 8N
AIR QUALITY ☐
METHOD OF SHIPMENT GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO. N/A

BILL OF LADING/AIR BILL NO. N/A

MATRIX* **POSSIBLE SAMPLE HAZARDS/ REMARKS**

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

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

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

I-129 by ICPMS
 SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO. B11F8 **MATRIX*** SOIL

SAMPLE DATE 2/8/08 **SAMPLE TIME** 1330

☒ ☒

Lot # 9035020 026057

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/ REMOVED FROM KJ. Youngs 2/8/08 1600
 RECEIVED BY/STORED IN M.D. 745 Ref # 1 2/8/08 1600
 RELINQUISHED BY/ REMOVED FROM M.D. 745 Ref # 1
 RECEIVED BY/STORED IN KJ. Youngs 2-11-08
 RELINQUISHED BY/ REMOVED FROM KJ. Youngs
 RECEIVED BY/STORED IN KJ. Youngs 2-11-08
 RELINQUISHED BY/ REMOVED FROM KJ. Youngs
 RECEIVED BY/STORED IN KJ. Youngs 2-11-08
 RELINQUISHED BY/ REMOVED FROM KJ. Youngs
 RECEIVED BY/STORED IN KJ. Youngs 2-11-08

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

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

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

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

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

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

**DATA
TURNAROUND**

SAMPLING LOCATION

I-111

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45 Days

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

A-6003-618(G1/06)

COLLECTOR

NCO Sampler

SAMPLING LOCATION

1-129 C5858 250.0'

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA 123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

AIR QUALITY

☐ 45 Days / 45 Days

DATA TURNAROUND

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

A=Air

DL=Drum

Liquids

DS=Drum

Solids

L=Liquid

O=Oil

S=Soil

SE=Sediment

T=Tissue

V=Vegetation

W=Water

X=Wipe

Other

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SAMPLE ANALYSIS

1-129 by ICPMS
(10line-129)
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B17203

SAMPLE NO.

B171J6 SOIL

MATRIX*

SAMPLE DATE SAMPLE TIME

2/21/08 1610

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3207662 028688

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

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DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/ STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR	COMPANY CONTACT		TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND 45 Days / 45 Days
	NCO Sampler		TRENT, SJ	TRENT, SJ			
SAMPLING LOCATION							
I-129	PROJECT DESIGNATION		SAF NO.		AIR QUALITY	<input type="checkbox"/>	
ICE CHEST NO.	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par		F08-036				
	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH		COA	METHOD OF SHIPMENT		
				123511ES10	GOVERNMENT VEHICLE		
SHIPPED TO	OFFSITE PROPERTY NO.		BILL OF LADING/AIR BILL NO.				
Environmental Sciences Laboratory	N/A		N/A				

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICPMS ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Magnesium, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR **KJ. Youngs** PROJECT COORDINATOR **TRENT, SJ** PRICE CODE **8N** DATA TURNAROUND **45 Days / 45 Days**

NCO Sampler **KJ. Youngs** PROJECT DESIGNATION **200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par** SAF NO. **F08-036** AIR QUALITY ☐

SAMPLING LOCATION **I-120 CS858 238-240.0'** FIELD LOGBOOK NO. **123511ES10** METHOD OF SHIPMENT **GOVERNMENT VEHICLE**

ICE CHEST NO. **COA** ACTUAL SAMPLE DEPTH **COA**

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX* POSSIBLE SAMPLE HAZARDS/ REMARKS

A=Air Contains Radioactive Material at concentrations
DL=Drum Liquids that are not regulated for transportation per 49
DS=Drum CFR but are not releasable per DOE Order
Solids 5400.5 (1990/1993)
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

PRESERVATION

None None

TYPE OF CONTAINER

Split Spoon Moisture
Liner Resistant Cont

NO. OF CONTAINER(S)

2 1

VOLUME

1000g 200g

SAMPLE ANALYSIS

SEE ITEM (1) IN Moisture
SPECIAL Content - D2216;
INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B17202

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B171H7 SOIL

2/15/08 1030

✓ ✓

Let # **3207062**

CHAIN OF POSSESSION SIGN/ PRINT NAMES SPECIAL INSTRUCTIONS

RELINQUISHED BY/ REMOVED FROM RECEIVED BY/ STORED IN DATE/TIME DATE/TIME
KJ. Youngs 2/15/08 1600 MO. 745 R#1 2/15/08 1600
(1) Density; Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity;
CATIONEXCH_TR; Generic Testing; SPECIAL STUDIES; KD - Batch;

RELINQUISHED BY/ REMOVED FROM RECEIVED BY/ STORED IN DATE/TIME DATE/TIME
MO. 745 R#1 2/15/08 1600

RELINQUISHED BY/ REMOVED FROM RECEIVED BY/ STORED IN DATE/TIME DATE/TIME
MO. 745 R#1 2/15/08 1600

RELINQUISHED BY/ REMOVED FROM RECEIVED BY/ STORED IN DATE/TIME DATE/TIME
MO. 745 R#1 2/15/08 1600

RELINQUISHED BY/ REMOVED FROM RECEIVED BY/ STORED IN DATE/TIME DATE/TIME
MO. 745 R#1 2/15/08 1600

RELINQUISHED BY/ REMOVED FROM RECEIVED BY/ STORED IN DATE/TIME DATE/TIME
MO. 745 R#1 2/15/08 1600

RELINQUISHED BY/ REMOVED FROM RECEIVED BY/ STORED IN DATE/TIME DATE/TIME
MO. 745 R#1 2/15/08 1600

LABORATORY RECEIVED BY TITLE DATE/TIME
SECTION

FINAL SAMPLE DISPOSAL METHOD DATE/TIME

COLLECTOR

NCO Sampler KJ-1600g

SAMPLING LOCATION

I-121

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE 8N

DATA
TURNAROUND
45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.
F08-036

AIR QUALITY

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

A=Air

DL=Drum

Liquids

DS=Drum

Solids

L=Liquid

O=Oil

S=Soil

SE=Sediment

T=Tissue

V=Vegetation

W=Water

WI=Wipe

X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SAMPLE ANALYSIS

I-129 by ICNMS SEE ITEM (1) IN SPECIAL INSTRUCTIONS (Iodine-129)

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1L5

SAMPLE NO.

B1T1H8 SOIL

MATRIX*

SAMPLE DATE 2/15/08

SAMPLE TIME 1145

✓

✓

Lot #

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3207022028088

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

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DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/ REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

COLLECTOR	COMPANY CONTACT		TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND 45 Days / 45 Days
	NCO Sampler		TRENT, SJ	373-5869	TRENT, SJ		
SAMPLING LOCATION	PROJECT DESIGNATION		SAF NO.		AIR QUALITY	<input type="checkbox"/>	
	I-121		200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par		F08-036		
ICE CHEST NO.	FIELD LOGBOOK NO.		ACTUAL SAMPLE DEPTH		COA	METHOD OF SHIPMENT	
					123511ES10	GOVERNMENT VEHICLE	
SHIPPED TO	OFFSITE PROPERTY NO.		BILL OF LADING/AIR BILL NO.				
	Environmental Sciences Laboratory		N/A		N/A		

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR NCO Sampler
SAMPLING LOCATION 241-243.5
I-122
ICE CHEST NO.

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

PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.
ACTUAL SAMPLE DEPTH COA
METHOD OF SHIPMENT GOVERNMENT VEHICLE

SAF NO. F08-036
AIR QUALITY ☐

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

PRESERVATION

None

None

TYPE OF CONTAINER

Split Spoon
Liner
Moisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1L5

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL INSTRUCTIONS
Moisture
Content - D2216;

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T1H9

SOIL

2-17-8

1102

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3207062

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM
RELINQUISHED BY/REMOVED FROM

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

DATE/TIME
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DATE/TIME
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN
RECEIVED BY/STORED IN

DATE/TIME
DATE/TIME
DATE/TIME
DATE/TIME
DATE/TIME
DATE/TIME

LABORATORY SECTION
RECEIVED BY
FINAL SAMPLE DISPOSITION

TITLE
DATE/TIME
DISPOSED BY
DATE/TIME

COLLECTOR NCO Sampler
SAMPLING LOCATION 242.5' CS858
I-123
ICE CHEST NO.
COMPANY CONTACT TRENT, SJ
TELEPHONE NO. 373-5869
PROJECT COORDINATOR TRENT, SJ
PRICE CODE 8N
AIR QUALITY ☐
TURNAROUND 45 Days / 45
PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.
ACTUAL SAMPLE DEPTH COA
123511ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX* POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None None

TYPE OF CONTAINER

G/P G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

1-129 by ICPMS
(Isotone-129)
SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

SAMPLE ANALYSIS

Radioactive tie to BITILLS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T1J0

SOIL

2-19-8

1730

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SPECIAL INSTRUCTIONS

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SPECIAL INSTRUCTIONS

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SPECIAL INSTRUCTIONS

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DATE/TIME

SPECIAL INSTRUCTIONS

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RECEIVED BY/STORED IN

DATE/TIME

SPECIAL INSTRUCTIONS

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

SPECIAL INSTRUCTIONS

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

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F08-036-123	PAGE 2 OF 2
COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ		TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION	PROJECT DESIGNATION		SAF NO.	AIR QUALITY	<input type="checkbox"/>
I-123	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par		F08-036		
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT	
			123511ES10	GOVERNMENT VEHICLE	
SHIPPED TO	OFFSITE PROPERTY NO.		BILL OF LADING/AIR BILL NO.		
Environmental Sciences Laboratory	N/A		N/A		

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

**DATA
TURNAROUND**
45 Days / 45
Days

45 Days / 45 Days

N/A

write

Moisture
Resistant Cont

1

200g

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

2-19.8 1305

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

DATE/TIME (2000)

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

DATE/TIME

5/2

10

DATE/TIME

DATE/TIME

A-6003-618(01/06)

Fluor Hanford Inc.

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-125

ICE CHEST NO.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

A-6003-6-18(01/06)

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

I-126 05858 2448'-2473'

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

Contains 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

Spill Spoon Liner

Moisture Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

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

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

SEE ITEM (1) IN Moisture Content - D2216; SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T1J3

SOIL

2-19-8

1445

CHAIN OF POSSESSION

SIGN / PRINT NAMES

3207667

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

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DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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

SAMPLING LOCATION I-127 **PROJECT DESIGNATION** 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par **SAF NO.** F08-036 **AIR QUALITY** ☐ **ICE CHEST NO.** 247.5 **FIELD LOGBOOK NO.** **ACTUAL SAMPLE DEPTH** COA **METHOD OF SHIPMENT** 123511ES10 **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, SF=Sediment, T=Tissue, V=Vegetation, W=Water, WI=Wipe, X=Other
POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

PRESERVATION None **TYPE OF CONTAINER** G/P **NO. OF CONTAINER(S)** 1 **VOLUME** 500g 1L

SPECIAL HANDLING AND/OR STORAGE Radioactive tie to B1T1L5 **SAMPLE ANALYSIS** I-129 by JCPMS, SEE ITEM (1) IN SPECIAL INSTRUCTIONS (Iodine-129)

SAMPLE NO. B1T1J4 **MATRIX*** SOIL **SAMPLE DATE** 2-19-8 **SAMPLE TIME** 1540

CHAIN OF POSSESSION **SIGN/ PRINT NAMES** **SPECIAL INSTRUCTIONS** SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM **DATE/TIME** 2-19-8 1620 **RECEIVED BY/STORED IN** **DATE/TIME** 2-19-8 1620
RELINQUISHED BY/REMOVED FROM **DATE/TIME** 2-26-08 1350 **RECEIVED BY/STORED IN** **DATE/TIME** 2-26-08 1350
RELINQUISHED BY/REMOVED FROM **DATE/TIME** 2-26-08 1350 **RECEIVED BY/STORED IN** **DATE/TIME** 2-26-08 1350

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

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

COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ			45 Days / 45 Days
SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY			
I-127	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036				
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT		
			123511ES10	GOVERNMENT VEHICLE		
SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.				
Environmental Sciences Laboratory	N/A	N/A				

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

ICE CHEST NO.

SHIPPED TO

N/A

N/A

123511ES10

F08-036

DAIA
TIIRNABOINT

W1=wipe
X=Other

5400.5 (1990/1993)

None
Moisture
Resistant Cont

—

5007

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS

Moisture
Content - D2216;

SOIL

123

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RECEIVED BY/STORED IN

(11) Density, Particle Size (Hydrometer) - D422; Saturated Hydraulic Conductivity, CATIONEYCH TP - Generic Tasting: SPECIAL STUDIES: KD - Batch:

RECEIVED BY _____

207

RECEIVED BY:

RECEIVED BY _____

RECEIVED BY _____

RECEIVED BY

RECEIVED BY _____

TITLE

DATE/TIME

ETNAI SAMPLE DISPOSAL METHOD

DISPOSED BY

DATE/TIME

A-6003-618(01/06)

COLLECTOR

NCO Sampler *KJ. Young*

SAMPLING LOCATION

I-131 *CS858 258.5 - 255*

ICE CHEST NO.

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

AIR QUALITY

☐

TURNAROUND
45 Days / 45 Days

SAF NO.

F08-036

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

COA

123511ES10

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

Split Spoon
Liner
Moisture
Resistant Cont

NO. OF CONTAINER(S)

2

1

VOLUME

1000g

200g

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to BIT115

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS
Moisture
Content - 02216.

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

BIT118

SOIL

2/22/08 1025

✓

✓

CHAIN OF POSSESSION

SIGN / PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

DATE/TIME

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

KJ. Young

DATE/TIME

2/22/08 1600

DATE/TIME

DATE/TIME

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

DATE/TIME

W. Young

DATE/TIME

2/26/08 1350

DATE/TIME

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

DATE/TIME

W. Young

DATE/TIME

2/26/08 1350

DATE/TIME

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler *K1. Youns*

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

I-132 *C3658* *232.5*

ICE CHEST NO.

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

SAF NO.

F08-036

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SE=Sediment
T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1T1L5

SAMPLE ANALYSIS

1-129 by ICPMS
{Iodine-129} SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T1M0

SOIL

2/22/08 1050

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

3207062 *028686*

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

K1. Youns

2/22/08 1600

MO-745 Ref # 1

2/22/08 1600

MO 745 Ref # 1

2-26-08

RECEIVED BY/STORED IN

DATE/TIME

Fluor Hanford

1350

RECEIVED BY/STORED IN

DATE/TIME

Fluor Hanford

2-26-08

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F08-036-150	PAGE 2 OF 2
COLLECTOR	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	DATA TURNAROUND
NCO Sampler	TRENT, SJ	373-5869	TRENT, SJ	8N	45 Days / 45 Days
SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY		
I-132	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036	<input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT	
		12351IES10		GOVERNMENT VEHICLE	
SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.			
Environmental Sciences Laboratory	N/A	N/A			

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH {Water} - 9045_WE;

COLLECTOR

NCO Sampler *KJ. Young*

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA

TURNAROUND

45 Days / 45 Days

SAMPLING LOCATION

1-134 65858 257.0'

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to BIT205

SAMPLE ANALYSIS

1-129 by ICPMS
{Iodine-129} SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

BIT1K0

SOIL

2/22/08 1420

✓

✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

023965 025688

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

KJ. Young 2/22/08 1600

RECEIVED BY/STORED IN

MO-745 Ref #1 2/22/08 1600

RELINQUISHED BY/REMOVED FROM

MO-745 Ref A1 2-26-08 1350

RECEIVED BY/STORED IN

Fluor Hanford 2-26-08 1350

RELINQUISHED BY/REMOVED FROM

Fluor Hanford 2-26-08 1350

RECEIVED BY/STORED IN

M. Valencia 2/26/08 1350

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	<input type="checkbox"/>
I-132	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036		

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123511ES10	GOVERNMENT VEHICLE

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

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADIOISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADIOISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler KJ. Youngs

SAMPLING LOCATION

1-113 45858 230.1

ICE CHEST NO.

SHIPPED TO

Environmental Sciences Laboratory

COMPANY CONTACT

TRENT, SJ 373-5869

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

BILL OF LADING/AIR BILL NO.

N/A

PRICE CODE 8N

AIR QUALITY

DATA TURNAROUND 45 Days / 45 Days

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

MATRIX*

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

POSSIBLE SAMPLE HAZARDS/ REMARKS

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

PRESERVATION

None None

TYPE OF CONTAINER

G/P G/P

NO. OF CONTAINER(S)

1 1

VOLUME

500g 1L

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

1-129 by ICPMS
(Iodine-129)
SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

B1T1H0 SOIL

2/11/08 0635

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

026004 026057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

KJ. Youngs 2/11/08 1600

DATE/TIME

MC-745 2451 2/11/08 1600

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MOJES REEF 2/13/08 1330

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

MOJES REEF 2/13/08 1500

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

Chris Fulton 2-14-08 1400

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSED BY

DATE/TIME

ESL 3142

Fluor Hanford Inc.				CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F08-036-113	PAGE 2 OF 2
COLLECTOR	COMPANY CONTACT		TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE	8N	DATA TURNAROUND
NCO Sampler	TRENT, SJ		373-5869	TRENT, SJ	45 Days / 45 Days		
SAMPLING LOCATION	PROJECT DESIGNATION		SAF NO.		AIR QUALITY		<input type="checkbox"/>
I-113	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par		F08-036				
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH		COA	METHOD OF SHIPMENT		
		123511ES10			GOVERNMENT VEHICLE		
SHIPPED TO	OFFSITE PROPERTY NO.		BILL OF LADING/AIR BILL NO.				
Environmental Sciences Laboratory	N/A		N/A				

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADIO_1CPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADIO_1CPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Strontium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR KJ. Lyons
SAMPLING LOCATION I-114 230 -> 232.5' (C5858)
ICE CHEST NO.

COMPANY CONTACT TRENT, SJ 373-5869
PROJECT DESIGNATION 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.

PROJECT COORDINATOR TRENT, SJ
PRICE CODE 8N
DATA TURNAROUND 45 Days / 45 Days
SAF NO. F08-036
AIR QUALITY ☐
COA 123511ES10
METHOD OF SHIPMENT GOVERNMENT VEHICLE

SHIPPED TO
 Environmental Sciences Laboratory

OFFSITE PROPERTY NO. N/A

BILL OF LADING/AIR BILL NO. N/A

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

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

PRESERVATION None None
TYPE OF CONTAINER Split Spoon Liner Moisture Resistant Cont
NO. OF CONTAINER(S) 2 1
VOLUME 1000g 200g

SPECIAL HANDLING AND/OR STORAGE
 Radioactive tie to BIT114

SAMPLE ANALYSIS

SEE ITEM (1) IN SPECIAL INSTRUCTIONS
 Moisture Content - D2216,

SAMPLE NO. BIT1H1 **MATRIX*** SOIL

SAMPLE DATE 2/11/08 **SAMPLE TIME** 0940 ✓ ✓

Lot A

026057

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM KJ. Lyons 2/11/08 1600
 RELINQUISHED BY/REMOVED FROM MO-JYS RGF #1 2/11/08 1600
 RELINQUISHED BY/REMOVED FROM MO-JYS RGF #1 2/13/08-1330
 RELINQUISHED BY/REMOVED FROM MO-JYS RGF #1 2/13/08-1500
 RELINQUISHED BY/REMOVED FROM MO-JYS RGF #1 2-1408 1330
 RELINQUISHED BY/REMOVED FROM Chris Fulton 2-1408 1400
 RELINQUISHED BY/REMOVED FROM Chris Fulton 2-1408 1400

RECEIVED BY/STORED IN MO-JYS RGF #1 2/11/08 1600
 RECEIVED BY/STORED IN MO-JYS RGF #1 2/13/08-1330
 RECEIVED BY/STORED IN MO-JYS RGF #1 2/13/08-1500
 RECEIVED BY/STORED IN MO-JYS RGF #1 2-1408 1330
 RECEIVED BY/STORED IN Chris Fulton 2-1408 1400
 RECEIVED BY/STORED IN Chris Fulton 2-1408 1400

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

3-3143

2-3144

COLLECTOR **K3. Young**
 NCO Sampler
 SAMPLING LOCATION **1-115 C5858 232.5**
 ICE CHEST NO.

COMPANY CONTACT
 TRENT, SJ
 PROJECT DESIGNATION
 200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

TELEPHONE NO.
 373-5869

PROJECT COORDINATOR
 TRENT, SJ

PRICE CODE
 8N

DATA
 TURNAROUND
 45 Days / 45 Days

AIR QUALITY ☐

METHOD OF SHIPMENT
 GOVERNMENT VEHICLE

COA
 123511ES10

BILL OF LADING/AIR BILL NO.
 N/A

SHIPPED TO

Environmental Sciences Laboratory

MATRIX*

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

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

SPECIAL HANDLING AND/OR STORAGE

Radioactive tie to B1114

SAMPLE NO.

MATRIX*

B111H2 SOIL

SAMPLE DATE SAMPLE TIME

2/11/08 1020 ~ ~

Lot #

026004 026057

SIGN / PRINT NAMES

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

K3. Young 2/11/08 1600

MO-745 Ref #1 2/11/08 1600

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

NO-746 Ref #1 2/13/08 1330

NO-745 Ref #1 2/13/08 1500

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

NO-745 Ref #1 2-14-08 1330

NO-745 Ref #1 2-14-08 1330

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

LABORATORY SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

3145

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

SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY	<input type="checkbox"/>
I-115	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036		

ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT
			123511E510	GOVERNMENT VEHICLE

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

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR *vi. Young*
NCO Sampler
SAMPLING LOCATION
I-116 *CSGSB 233-235.5*
ICE CHEST NO.

COMPANY CONTACT
TRENT, SJ
PROJECT DESIGNATION
200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par
FIELD LOGBOOK NO.

TELEPHONE NO.
373-5869
PROJECT COORDINATOR
TRENT, SJ

PRICE CODE 8N
AIR QUALITY
SAF NO.
F08-036

DATA
TURNAROUND
45 Days / 45
METHOD OF SHIPMENT
GOVERNMENT VEHICLE
123511ES10

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.
N/ABILL OF LADING/AIR BILL NO.
N/A

MATRIX*

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

PRESERVATION

None None

TYPE OF CONTAINER

Split Spoon
Liner Moisture
Resistant Cont

NO. OF CONTAINER(S)

2 1

VOLUME

1000g 200g

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS Moisture
Content - 02216.

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

BIT1H3 SOIL

2/11/08 1055 ✓ ✓

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

*Ref #1**026004*

SPECIAL INSTRUCTIONS

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

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

RELINQUISHED BY/REMOVED FROM

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

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DATE/TIME

LABORATORY

RECEIVED BY

TITLE

DATE/TIME

SECTION

FINAL SAMPLE

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

DISPOSITION

3-3146

2-3147

COLLECTOR

NCO Sampler

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA
TURNAROUND

SAMPLING LOCATION

I-117

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

45 Days / 45
Days

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

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

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE {Add-On} {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE {TAL} {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE {Add-On} {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate Ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;

COLLECTOR

NCO Sampler

Bailey

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE 8N

DATA
TURNAROUND
45 Days / 45
Days

SAMPLING LOCATION

I-118 235.0' - 237.5' C5858

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.
F08-036

AIR QUALITY

☐

ICE CHEST NO.

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA
123511ES10METHOD OF SHIPMENT
GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

POSSIBLE SAMPLE HAZARDS/ REMARKS

PRESERVATION

None

None

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

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

TYPE OF CONTAINER

Split Spoon
LinerMoisture
Resistant Cont

S=Soil

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

NO. OF CONTAINER(S)

2

1

SE=Sediment

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

VOLUME

1000g

200g

T=Tissue
V=Vegetation
W=Water
WI=Wipe
X=Other

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS
Moisture
Content - D2216;

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

B1T1H5

SOIL

2/11/08

1445

✓

✓

LOT NO.

9035020

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

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DATE/TIME

LABORATORY

RECEIVED BY

TITLE

DATE/TIME

SECTION

RECEIVED BY

TITLE

DATE/TIME

FINAL SAMPLE

DISPOSAL METHOD

DISPOSED BY

DATE/TIME

4 - 3149

2 - 3150 / NO Number on Core (Inlet)

COLLECTOR

NCO Sampler

Bailey

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.
373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE 8N

DATA
TURNAROUND
45 Days / 45
Days

SAMPLING LOCATION

I-118

ICE CHEST NO.

235.0' - 237.5' C588

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAFE NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

123511ES10

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX*

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

PRESERVATION

None None

TYPE OF CONTAINER

Spt Spoon
Liner Moisture
Resistant Cont

NO. OF CONTAINER(S)

2 1

VOLUME

1000g 200g

SPECIAL HANDLING AND/OR STORAGE

SAMPLE ANALYSIS

SEE ITEM (1) IN
SPECIAL
INSTRUCTIONS Moisture
Content - D2215.

SAMPLE NO.

MATRIX*

SAMPLE DATE

SAMPLE TIME

BIT1K4

SOIL

2/11/08 1445

✓

LOT NO.

9075020

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

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

No Dup liners collected

(Not enough soil)

RELINQUISHED BY/REMOVED FROM

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DATE/TIME

LABORATORY

RECEIVED BY

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

TITLE

DATE/TIME

FINAL SAMPLE

DISPOSAL METHOD

DATE/TIME

RECEIVED BY/STORED IN

DATE/TIME

DISPOSED BY

DATE/TIME

COLLECTOR

NCO Sampler

SAMPLING LOCATION

I-119 CS858

ICE CHEST NO.

237.5

COMPANY CONTACT

TRENT, SJ

TELEPHONE NO.

373-5869

PROJECT COORDINATOR

TRENT, SJ

PRICE CODE

8N

DATA TURNAROUND

45 Days / 45 Days

PROJECT DESIGNATION

200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par

SAF NO.

F08-036

AIR QUALITY

☐

FIELD LOGBOOK NO.

ACTUAL SAMPLE DEPTH

COA

METHOD OF SHIPMENT

GOVERNMENT VEHICLE

SHIPPED TO

Environmental Sciences Laboratory

OFFSITE PROPERTY NO.

N/A

BILL OF LADING/AIR BILL NO.

N/A

MATRIX* POSSIBLE SAMPLE HAZARDS/ REMARKS

A=Air

DL=Drum

Liquids

DS=Drum

Solids

L=Liquid

O=Oil

S=Soil

SE=Sediment

T=Tissue

V=Vegetation

W=Water

WT=Wipe

X=Other

PRESERVATION

None

None

TYPE OF CONTAINER

G/P

G/P

NO. OF CONTAINER(S)

1

1

VOLUME

500g

1L

SAMPLE ANALYSIS

I-129 by JCPMS SEE ITEM (1) IN SPECIAL INSTRUCTIONS (Iodine-129)

SPECIAL HANDLING AND/OR STORAGE

Radioactive file to BIT202

SAMPLE NO.

MATRIX*

SAMPLE DATE SAMPLE TIME

BIT1H6

SOIL

2-11-08 1514

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

026004 026057

SPECIAL INSTRUCTIONS

SEE PAGE 2 FOR ALL SPECIAL INSTRUCTIONS

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DATE/TIME

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	TRENT, SJ			45 Days / 45 Days
SAMPLING LOCATION	PROJECT DESIGNATION	SAF NO.	AIR QUALITY			
I-119	200-BP-5 OU Characterization for 299-E33-343 - Geochemical Modeling Par	F08-036		<input type="checkbox"/>		
ICE CHEST NO.	FIELD LOGBOOK NO.	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT		
			12351IES10	GOVERNMENT VEHICLE		
SHIPPED TO	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.				
Environmental Sciences Laboratory	N/A	N/A				

SPECIAL INSTRUCTIONS

(1)ALPHA_AE {Gross alpha} BETA_AE {Gross beta} RADISO_ICPMS_ASTM_AE {Technetium-99, Uranium-238} 6010M_ICP_ASTM_AE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_ICPMS_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_ICPMS_ASTM_AE (TAL) {Aluminum, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_ICP_ASTM_AE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} ALPHA_WE {Gross alpha} BETA_WE {Gross beta} RADISO_ICPMS_WE {Iodine-129, Technetium-99, Uranium-238} 6010M_METALS_ICP_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Potassium, Silver, Sodium, Vanadium, Zinc} 6010M_METALS_ICP_WE (Add-On) {Arsenic, Beryllium, Boron, Lead, Lithium, Selenium, Strontium, Thallium} 6020M_METALS_ICPMS_WE (TAL) {Aluminum, Antimony, Barium, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Silver, Vanadium, Zinc} 6020M_METALS_ICPMS_WE (Add-On) {Arsenic, Beryllium, Lead, Selenium, Strontium, Thallium} 2320_ALKALINITY {Alkalinity, Bicarbonate, Calcium Carbonate, Carbonate ion} IC Anions - 9056_WE {Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate} TIC - 415.1M {Total Inorganic Carbon} TOC - 415.1 {Total organic carbon} pH (Water) - 9045_WE;