

# FIELD SCREENING FINAL DATA DELIVERABLE COVER SHEET

Date: Monday, February 5, 2007

Sample Authorization Form (SAF) Number: I07-011

SDG Number (assigned by Sample Management): FP0418 *Payes*  
*2/7/07*

Attachments (check all that apply or N/A):

- Test Results
- Narrative Summary
- Chain of Custody(s)
- Logbook Pages
- Anomaly Report

Total number of pages (including cover sheet): 6

Comments:

**ISRM - Hexavalent Chromium - Sulfate - Water**

**THESE TESTS WERE CONDUCTED USING QC-1**



*Hetzer*  
\_\_\_\_\_  
Analyst Signature

*M. G. Baehler*  
\_\_\_\_\_  
Reviewer's Signature

*2-5-2007*  
\_\_\_\_\_  
Date

*2/9/07*  
\_\_\_\_\_  
Date

Distribution: CPP Sample Management A0-21  
Project (Specify)

Requires distribution to listed project personnel by Sample Management

**RECEIVED**  
AUG 20 2007

**EDMC**

# On-Site Measurement of Cr +6

## ISRM Groundwater

SAF:107-011

Procedure: GRP-EE-05-1.17

Logbook: HNF-N-296 8 Page 19

1/25/2007

Location	HEIS Number	SAF	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	Cr +6 (mg/L)	Conductivity (µS/cm)	Water Level (m TOC)
199-D2-8	B1L2K0	107-011	1/25/2007	1220	DPC	Water	1/25/2007	1445	LCP	0.114	483	26.15

Analyst(s): J.D. Mehrer/ L.C. Petersen

Date: 2/1/2007

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# On-Site Measurement of SO<sub>4</sub>

## ISRM Groundwater

SAF:I07-011

Procedure: GRP-EE-05-1.18

Logbook: HNF-N-296 8 Page 33

2/1/2007

Location	HEIS Number	SAF	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	SO <sub>4</sub> (mg/L)
199-D2-8	B1L2K1*	I07-011	1/25/2007	1220	DPC	Water	2/1/2007	16:15	LCP	90

\* 2X dilution

Analyst(s): J.D. Mehrer/ L.C. Petersen

Date: 2/2/2007

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**Sulfate Daily Activity Log**  
**Project: ISRM GW Monitoring**  
**SAF I07-011**  
**Logbook HNF-N-296 8**  
**Date: 2/1/07**

*L.C. Petersen*  
2-2-2007

1535	L.C. Petersen arrived on-site at 200W, MO-612 field laboratory. Set up to analyze samples for sulfate using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 952, sulfate.
1550	Prepared 50 mg/L standard by adding 1.5 mL of 1000 mg/L HACH sulfate standard, lot #A1214, no expiration, to 28.50 mL of deionized water.
1615	After pulling standard, blank, and sample fluids into sulfate ampules (#A6324, expiration 9/2011), analyzed undiluted samples.
1630	Sample was under-range. Diluted 2X by adding 10-mL sample to 10-mL deionized water. Re-analyzed sample.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	---	---	0	---	---	---
50 mg/L std.	---	---	46	---	---	---
B1L2K1*	199-D2-8	I07-011	90	1/25/07	1220	DPC
50 mg/L std.	---	---	47	---	---	---
Blank	---	---	0	---	---	---

\* 2X Dilution

*M.A. Baechler*  
2-2-2007

FEB 05 2007

Reviewed  
By: M.A. Baechler

*M.A. Baechler*

*L.C. Petersen*  
*Petersen*  
2-2-2007

### Hexavalent Chromium Daily Activity Log

Project: 100-ISRM GW Monitoring

SAF I07-011

Logbook HNF-N-296 8

Date: 1/25/07

*L.C. Petersen*  
1-31-2007

1412	L.C. Petersen arrived on-site at 200W, MO-612 field laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 951, low range hexavalent chromium.
1425	Prepared 0.10 mg/L standard by adding 240 µL of 12.5 mg/L HACH hexavalent chromium standard, lot # A5354, exp. December 2010, to 29.76 mL of deionized water.
1445	After pulling standard, blank, and sample fluids into hexavalent chromium ampules (lot # A6215, exp. May 2009), analyzed undiluted sample.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler	Conductivity (µs/cm)	Water Depth-m(TOC)
Blank	----	----	0.002	----	----	----	----	----
0.10 mg/L std.	----	----	0.092	----	----	----	----	----
B1L2K0	199-D2-8	I07-011	0.114	1/25/07	1220	DPC	483	26.150
0.10 mg/L std.	----	----	0.093	----	----	----	----	----
Blank	----	----	0.002	----	----	----	----	----

*L.C. Petersen*  
1-21-07

*L.C. Petersen*  
*H Petersen*  
1-31-2007

Reviewed JAN 31 2007

By: M.A. Baechler

*M.A. Baechler*

