0076638

FIELD SCREENING
FINAL DATA DELIVERABLE COVER SHEET

Date: Monday, September 10, 2007

Sample Authorization Form (SAF) Number: I07-063

SDG Number (assigned by Sample Management): FP0483 Dayes 9/19/07

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

X	Test Results
N/A	Narrative Summary
X	Chain of Custody(s)
X	Logbook Pages
N/A	Anomaly Report

Total number of pages (including cover sheet): 47

Comments:
ISRM - Hexavalent Chromium – Sulfate - Water

THESE TESTS WERE CONDUCTED USING QC-1

RECEIVED
MAR 3 1 2008
EDMC

Analyst Signature — Date 9/10/07

Reviewer's Signature — Date 9/10/07

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

Requires distribution to listed project personnel by Sample Management (check if applicable)

0000001

On-Site Measurement of Cr +6

ISRM Groundwater

SAF: I07-063

Procedure: GRP-EE-05-1.17

Logbook: HNF-N-296 9 Page 110

8/6/2007

Location	HEIS Number	SAF Number	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-D4-15	B1P6K9*	I07-063	8/6/2007	10:11	DRB	Water	8/6/2007	14:41	MJH	1.450	671	25.946

*5x dilution

Logbook: HNF-N-296 9 Page 118

8/7/2007

Location	HEIS Number	SAF Number	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-D4-6	B1P6R1	I07-063	8/7/2007	11:05	KJY	Water	8/7/2007	16:05	MJH	< 0.005	1048	25.636
199-D4-20	B1P6L3	I07-063	8/7/2007	12:01	DW	Water	8/7/2007	16:05	MJH	0.156	649	25.584
199-D4-20	B1P6L5	I07-063	8/7/2007	12:01	DW	Water	8/7/2007	16:05	MJH	0.157	649	25.584
199-D4-26	B1P6M1	I07-063	8/7/2007	11:53	KBH	Water	8/7/2007	16:05	MJH	0.301	678	25.699
199-D4-38	B1P6N3	I07-063	8/7/2007	13:18	KBH	Water	8/7/2007	16:05	MJH	0.111	389	25.243
199-D4-39	B1P6N6	I07-063	8/7/2007	12:36	KBH	Water	8/7/2007	16:05	MJH	0.374	540	25.590
199-D4-48	B1P6P5	I07-063	8/7/2007	10:19	KJY	Water	8/7/2007	16:05	MJH	< 0.005	462	25.419
199-D4-62	B1P6R4	I07-063	8/7/2007	12:54	KJY	Water	8/7/2007	16:05	MJH	< 0.005	1465	25.305
199-D4-78	B1P6T0	I07-063	8/7/2007	11:12	DW	Water	8/7/2007	16:05	MJH	0.019	636	25.140
199-D4-84	B1P6T7	I07-063	8/7/2007	12:46	DW	Water	8/7/2007	16:05	MJH	0.072	1088	25.945

Logbook: HNF-N-296 9 Page 123

8/10/2007

Location	HEIS Number	SAF Number	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-D4-22	B1P6L8*	I07-063	8/10/2007	13:01	FMH	Water	8/10/2007	15:19	MJH	0.684	741	26.305
199-D4-83	B1P6T3	I07-063	8/10/2007	11:38	KP	Water	8/10/2007	15:19	MJH	0.023	260	25.215
199-D4-85	B1P6V0	I07-063	8/10/2007	12:52	KP	Water	8/10/2007	15:19	MJH	0.012	525	25.509
199-D4-86	B1P6V3	I07-063	8/10/2007	13:27	KP	Water	8/10/2007	15:19	MJH	< 0.005	286	24.677
199-D4-86	B1P6V5	I07-063	8/10/2007	13:27	KP	Water	8/10/2007	15:19	MJH	< 0.005	286	24.677

* 2x dilution

Logbook: HNF-N-296 9 Page 136

8/14/2007

Location	HEIS Number	SAF Number	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-D4-4 MS/MSD	B1P6N9	I07-063	8/14/2007	11:37	JH	Water	8/14/2007	15:40	MJH	< 0.005	1061	25.902
MS/MSD 199-D4-4	B1PC96	I07-063	8/14/2007	11:37	JH	Water	8/14/2007	15:40	MJH	0.017	N/A	N/A
MS/MSD 199-D4-4	B1PC97	I07-063	8/14/2007	11:37	JH	Water	8/14/2007	15:40	MJH	0.017	N/A	N/A
199-D4-32	B1P6M7	I07-063	8/14/2007	10:02	JH	Water	8/14/2007	15:40	MJH	0.005	929	26.003

Low recovery MS/MSD. 68% Limit +/- 25%

Logbook: HNF-N-296 9 Page 140

8/21/2007

Location	HEIS Number	SAF Number	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-D4-1	B1P6K6	I07-063	8/21/2007	10:55	DW	Water	8/21/2007	15:35	MJH	< 0.005	1203	25.829

Logbook: HNF-N-296 9 Page 144

8/22/2007

Location	HEIS Number	SAF Number	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	B1P6K3	I07-063	8/22/2007	8:23	LDW	Water	8/22/2007	15:28	MJH	0.291	523	25.700
199-D5-43	B1P6P2	I07-063	8/22/2007	8:58	FMH	Water	8/22/2007	15:28	MJH	0.248	504	25.885

On-Site Measurement of Cr +6

ISRM Groundwater

SAF: I07-063

Procedure: GRP-EE-05-1.17

Logbook: HNF-N-296 9 Page 151

8/28/2007

Location	HEIS Number	SAF Number	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-D4-5	B1P6P8	I07-063	8/28/2007	10:39	RS	Water	8/28/2007	16:05	MJH	< 0.005	895	25.947
199-D4-36	B1P6N0	I07-063	8/28/2007	9:30	RS	Water	8/28/2007	16:05	MJH	0.030	564	25.970

Logbook: HNF-N-296 10 Page 10

8/30/2007

Location	HEIS Number	SAF Number	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-D4-7	B1P6R7	I07-063	8/30/2007	14:23	RS	Water	8/30/2007	16:02	MJH	0.011	925	26.003

Analyst(s): M.J. Hocking Date: 9/5/2007

On-Site Measurement of SO_4

ISRM Groundwater

I07-063

Procedure: GRP-EE-05-1.18

Logbook: HNF-N-296 9 Page 111

8/6/2007

Location	HEIS Number	SAF Number	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	SO_4 (mg/L)
199-D4-15	B1P6L0*	I07-063	8/6/2007	10:11	DRB	Water	8/6/2007	15:14	MJH	130

*5x dilution

Logbook: HNF-N-296 9 Page 117

8/7/2007

Location	HEIS Number	SAF Number	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	SO_4 (mg/L)
199-D4-6	B1P6R2****	I07-063	8/7/2007	11:05	KJY	Water	8/7/2007	16:53	MJH	300
199-D4-20	B1P6L4***	I07-063	8/7/2007	12:01	DW	Water	8/7/2007	16:53	MJH	105
199-D4-20	B1P6L6***	I07-063	8/7/2007	12:01	DW	Water	8/7/2007	16:53	MJH	130
199-D4-26	B1P6M2***	I07-063	8/7/2007	11:53	KBH	Water	8/7/2007	16:53	MJH	130
199-D4-38	B1P6N4*	I07-063	8/7/2007	13:18	KBH	Water	8/7/2007	16:53	MJH	68
199-D4-39	B1P6N7**	I07-063	8/7/2007	12:36	KBH	Water	8/7/2007	16:53	MJH	100
199-D4-48	B1P6P6	I07-063	8/7/2007	10:19	KJY	Water	8/7/2007	16:53	MJH	49
199-D4-62	B1P6R5****	I07-063	8/7/2007	12:54	KJY	Water	8/7/2007	16:53	MJH	450
199-D4-78	B1P6T1****	I07-063	8/7/2007	11:12	DW	Water	8/7/2007	16:53	MJH	130
199-D4-84	B1P6T8****	I07-063	8/7/2007	12:46	DW	Water	8/7/2007	16:53	MJH	420

*2x dilution; **4x dilution; ***5x dilution; ****10x dilution

Logbook: HNF-N-296 9 Page 124

8/10/2007

Location	HEIS Number	SAF Number	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	SO_4 (mg/L)
199-D4-22	B1P6L9**	I07-063	8/10/2007	13:01	FMH	Water	8/10/2007	15:48	MJH	180
199-D4-83	B1P6T4***	I07-063	8/10/2007	11:38	KP	Water	8/10/2007	15:48	MJH	20
199-D4-85	B1P6V1**	I07-063	8/10/2007	12:52	KP	Water	8/10/2007	15:48	MJH	120
199-D4-86	B1P6V4*	I07-063	8/10/2007	13:27	KP	Water	8/10/2007	15:48	MJH	34
199-D4-86	B1P6V6*	I07-063	8/10/2007	13:27	KP	Water	8/10/2007	15:48	MJH	36

*2x dilution; **5x dilution; ***10x dilution

Logbook: HNF-N-296 9 Page 135

8/14/2007

Location	HEIS Number	SAF Number	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	SO_4 (mg/L)
199-D4-4 MS/MSD	B1P6P0**	I07-063	8/14/2007	11:37	JH	Water	8/14/2007	16:08	MJH	360
199-D4-32	B1P6M8*	I07-063	8/14/2007	10:02	JH	Water	8/14/2007	16:08	MJH	215

*5x dilution; **10x dilution

Logbook: HNF-N-296 9 Page 141

8/21/2007

Location	HEIS Number	SAF Number	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	SO_4 (mg/L)
199-D4-1	B1P6K7*	I07-063	8/21/2007	10:55	DW	Water	8/21/2007	15:38	MJH	260

*10x dilution

On-Site Measurement of SO_4

ISRM Groundwater

I07-063

Procedure: GRP-EE-05-1.18

Logbook: HNF-N-296 9 Page 143

8/22/2007

Location	HEIS Number	SAF Number	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	SO_4 (mg/L)
199-D2-8	B1P6K4*	I07-063	8/22/2007	8:23	LDW	Water	8/22/2007	15:36	MJH	104
199-D5-43	B1P6P3**	I07-063	8/22/2007	8:58	FMH	Water	8/22/2007	15:47	MJH	90

*4x dilution; **5x dilution

Logbook: HNF-N-296 9 Page 152

8/28/2007

Location	HEIS Number	SAF Number	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	SO_4 (mg/L)
199-D4-5	B1P6P9**	I07-063	8/28/2007	10:39	RS	Water	8/28/2007	16:11	MJH	210
199-D4-36	B1P6N1*	I07-063	8/28/2007	9:30	RS	Water	8/28/2007	16:11	MJH	112

*4x dilution; **10x dilution

Logbook: HNF-N-296 10 Page 11

8/30/2007

Location	HEIS Number	SAF Number	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	SO_4 (mg/L)
199-D4-7	B1P6R8*	I07-063	8/30/2007	14:23	RS	Water	8/30/2007	16:10	MJH	215

*5x dilution

Analyst(s): M.J. Hocking Date: 9/5/2007

ISRM GW MONITORING Cr+6

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GRAM, Inc.
M. J. Hocking

8/17/07

Hexavalent Chromium Daily Activity Log
Project: 100-ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/06/07

1300	M.J. Hocking arrived on-site at 200W, MO-612 field laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2800 spectrophotometer, S/N1199689, Method 950, low range hexavalent chromium.
1400	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.
1441	Prepared a 5x dilution for the sample using 16-mL of deionized water and 4-mL of sample fluid. Pulled standard, blank, and sample fluids into hexavalent chromium ampules (lot # A7086, exp. Dec. 2009), analyzed standard, blank, and diluted sample.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler	Conductivity (µs/cm)	Water Depth-m(TOC)
Blank	—	—	-0.005	—	—	—	—	—
0.10 mg/L std.	—	—	0.097	—	—	—	—	—
B1P6K9*	199-D4-15	I07-063	1.45	8/06/2007	10:11	DRB	671	25.946
0.10 mg/L std.	—	—	0.097	—	—	—	—	—
Blank	—	—	-0.004	—	—	—	—	—

* 5x dilution

SEP 07 2007

MJH
AUG 17 2007

Reviewed
By: M.A. Buechler

M. J. Hocking

AUG 17 2007

0000006

ISRM GW MONITORING SO4

GRAM, Inc.
M. J. Hocking

8/17/07

Sulfate Daily Activity Log
Project: ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/06/07

1300	M.J. Hocking 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.
1405	Prepared 50 mg/L standard by adding 1.5 mL of 1000 mg/L HACH sulfate standard, lot #A7016, expiration 1/2009, to 28.50 mL of deionized water.
1445	Prepared a 5x dilution for sample using 4-mL of sample fluid and 16-mL of deionized water. Pulled standard, blank, and diluted sample fluid into sulfate ampules (#A7029, expiration Jan. 2012), analyzed sample.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	---	---	0	---	---	---
50 mg/L std.	---	---	49	---	---	---
B1P6L0*	199-D4-15	I07-063	130	8/6/2007	10:11	DRB
50 mg/L std.	---	---	49	---	---	---
Blank	---	---	0	---	---	---

*5x dilution

MJH

AUG 17 2007

M. J. Hocking

AUG 17 2007

Reviewed SEP 07 2007
By: M.A. Baechler

M.A. Baechler

0000007

ISRM GW MONITORING SO4

GRAM, Inc.
M. J. Hocking

8/19/07

Sulfate Daily Activity Log
Project: ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/07/07

1400	M.J. Hocking 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.
1500	Prepared 50 mg/L standard by adding 1.5 mL of 1000 mg/L HACH sulfate standard, lot #A7016, expiration 1/2009, to 28.50 mL of deionized water.
1653	Prepared 10x dilutions for samples B1P6R2, B1P6R5, B1P6T1, & B1P6T8 using 2-mL of sample fluid and 18-mL of deionized water; prepared 5x dilutions for samples B1P6L4, B1P6L6, & B1P6M2 using 4-mL of sample fluid and 16-mL of deionized water; prepared a 4x dilution for B1P6N7 using 5-mL of sample fluid and 15-mL of deionized water; prepared a 2x dilution for B1P6N4 using 10-mL of sample fluid and 10-mL of deionized water. Pulled standard, blank, and diluted sample fluids into sulfate ampules (#A7029, expiration Jan. 2012), analyzed samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	---	---	0	---	---	---
50 mg/L std.	---	---	42	---	---	---
B1P6R2****	199-D4-6	I07-063	300	8/7/2007	11:05	KJY
B1P6L4***	199-D4-20	I07-063	105	8/7/2007	12:01	DW
B1P6L6***	199-D4-20	I07-063	130	8/7/2007	12:01	DW
B1P6M2***	199-D4-26	I07-063	130	8/7/2007	11:53	KBH
B1P6N4*	199-D4-38	I07-063	68	8/7/2007	13:18	KBH
B1P6N7**	199-D4-39	I07-063	100	8/7/2007	12:36	KBH
B1P6P6	199-D4-48	I07-063	49	8/7/2007	10:19	KJY
B1P6R5****	199-D4-62	I07-063	450	8/7/2007	12:54	KJY
B1P6T1****	199-D4-78	I07-063	130	8/7/2007	11:12	DW
B1P6T8****	199-D4-84	I07-063	420	8/7/2007	12:46	DW
50 mg/L std.	---	---	43	---	---	---
Blank	---	---	0	---	---	---

*2x dilution; **4x dilution; ***5x dilution; ****10x dilution

M. J. Hocking
AUG 17 2007

MJH
AUG 17 2007

Reviewed SEP 0 7 2007
By: M.A. Baechler

M. A. Baechler

ISRM GW MONTORING Cr^{+6}

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GRAM, Inc.
M. J. Hocking

8/17/07

Hexavalent Chromium Daily Activity Log
Project: 100-ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/07/07

1400	M.J. Hocking arrived on-site at 200W, MO-612 field laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2800 spectrophotometer, S/N1199689, Method 950, low range hexavalent chromium.
1411	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.
1605	Pulled standard, blank, and sample fluids into hexavalent chromium ampules (lot # A7086, exp. Dec. 2009), analyzed standard, blank, and diluted sample.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler	Conductivity (µs/cm)	Water Depth-m(TOC)
Blank	----	----	-0.005	----	----	----	----	----
0.10 mg/L std.	----	----	0.098	----	----	----	----	----
B1P6R1	199-D4-6	I07-063	< 0.005	8/7/2007	11:05	KJY	1048	25.636
B1P6L3	199-D4-20	I07-063	0.156	8/7/2007	12:01	DW	649	25.584
B1P6L5	199-D4-20	I07-063	0.157	8/7/2007	12:01	DW	649	25.584
B1P6M1	199-D4-26	I07-063	0.301	8/7/2007	11:53	KBH	678	25.699
B1P6N3	199-D4-38	I07-063	0.111	8/7/2007	13:18	KBH	389	25.243
B1P6N6	199-D4-39	I07-063	0.374	8/7/2007	12:36	KBH	540	25.590
B1P6P5	199-D4-48	I07-063	< 0.005	8/7/2007	10:19	KJY	462	25.419
B1P6R4	199-D4-62	I07-063	< 0.005	8/7/2007	12:54	KJY	1465	25.305
B1P6T0	199-D4-78	I07-063	0.019	8/7/2007	11:12	DW	636	25.140
B1P6T7	199-D4-84	I07-063	0.072	8/7/2007	12:46	DW	1088	25.945
0.10 mg/L std.	----	----	0.098	----	----	----	----	----
Blank	----	----	-0.006	----	----	----	----	----

M. J. Hocking

AUG 17 2007

MJH
AUG 17

Reviewed 0000009
By: M.A. Baechler

SEP 0 2007

ISRM GW MONITORING Cr -

GRAM. Inc.
M. J. Hocking

8/17/07

Hexavalent Chromium Daily Activity Log
Project: 100-ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/10/07

1400	M.J. Hocking arrived on-site at 200W, MO-612 field laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2800 spectrophotometer, S/N1199689, Method 950, low range hexavalent chromium.
1420	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.
1519	Prepared a 2x dilution for sample B1P6L8 using 10-mL of sample fluid and 10-mL of deionized water; Pulled standard, blank, and sample fluids into hexavalent chromium ampules (lot # A7086, exp. Dec. 2009), analyzed standard, blank, and undiluted/diluted samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler	Conductivity (µs/cm)	Water Depth-m(TOC)
Blank	----	----	-0.006	----	----	----	----	----
0.10 mg/L std.	----	----	0.097	----	----	----	----	----
B1P6L8*	199-D4-22	I07-063	0.684	8/10/2007	13:01	FMH	741	26.305
B1P6T3	199-D4-83	I07-063	0.023	8/10/2007	11:38	KP	260	25.215
B1P6V0	199-D4-85	I07-063	0.012	8/10/2007	12:52	KP	525	25.509
B1P6V3	199-D4-86	I07-063	< 0.005	8/10/2007	13:27	KP	286	24.677
B1P6V5	199-D4-86	I07-063	< 0.005	8/10/2007	13:27	KP	286	24.677
0.10 mg/L std.	----	----	0.097	----	----	----	----	----
Blank	----	----	-0.006	----	----	----	----	----

*2x dilution

MJH
AUG 17 2007

M. J. Hocking
AUG 17 2007

Reviewed
By: M.A. Baechler
SEP 07 2007

M. A. Baechler

ISRM GW MONITORING SO_4

124

GRAM, Inc.
M. J. Hocking

8/17/07

Sulfate Daily Activity Log
Project: ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/10/07

1400	M.J. Hocking 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.
1424	Prepared 50 mg/L standard by adding 1.5 mL of 1000 mg/L HACH sulfate standard, lot #A7016, expiration 1/2009, to 28.50 mL of deionized water.
1548	Prepared 10x dilution for sample B1P6T4 using 2-mL of sample fluid and 18-mL of deionized water; prepared 5x dilutions for samples B1P6L9 & B1P6V1 using 4-mL of sample fluid and 16-mL of deionized water; prepared 2x dilutions for B1P6V4 & B1P6V6 using 10-mL of sample fluid and 10-mL of deionized water. Pulled standard, blank, and diluted sample fluids into sulfate ampules (#A7029, expiration Jan. 2012), analyzed samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	---	---	0	---	---	---
50 mg/L std.	---	---	50	---	---	---
B1P6L9**	199-D4-22	I07-063	180	8/10/2007	13:01	FMH
B1P6T4***	199-D4-83	I07-063	20	8/10/2007	11:38	KP
B1P6V1**	199-D4-85	I07-063	120	8/10/2007	12:52	KP
B1P6V4*	199-D4-86	I07-063	34	8/10/2007	13:27	KP
B1P6V6*	199-D4-86	I07-063	36	8/10/2007	13:27	KP
50 mg/L std.	---	---	50	---	---	---
Blank	---	---	0	---	---	---

*2x dilution; **5x dilution; ***10x dilution

0000011

MJH

SEP 07 2007

M. J. Hocking

AUG 17

Reviewed
By: M.A. Baechler

ISRM GW MONITORING SOX

GRAM, Inc.
M. J. Hocking

8/22/07

Sulfate Daily Activity Log
Project: ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/14/07

① ~~1100~~ 1400	M.J. Hocking 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.
1420	Prepared 50 mg/L standard by adding 1.5 mL of 1000 mg/L HACH sulfate standard, lot #A7016, expiration 1/2009, to 28.50 mL of deionized water.
1608	Prepared 10x dilution for sample B1P6P0 using 2-mL of sample fluid and 18-mL of deionized water; prepared 5x dilutions for samples B1P6M8 using 4-mL of sample fluid and 16-mL of deionized water. Pulled standard, blank, and diluted sample fluids into sulfate ampules (#A7029, expiration Jan. 2012), analyzed samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	—	—	0	—	—	—
50 mg/L std.	—	—	53	—	—	—
B1P6P0**	199-D4-4 MS/MSD	I07-063	360	8/14/2007	11:37	JH
B1P6M8*	199-D4-32	I07-063	215	8/14/2007	10:02	JH
50 mg/L std.	—	—	52	—	—	—
Blank	—	—	0	—	—	—

*5x dilution; **10x dilution

① MAB 9/7/07

MJH
AUG 22 2007

M. J. Hocking
AUG 22 2007

Reviewed SEP 07 2007
By: M.A. Baechler

ISRM GW MONITORING Cr^{+6}

136

GRAM, Inc.
M. J. Hocking

8/22/07

Hexavalent Chromium Daily Activity Log
Project: 100-ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/14/07

1100	M.J. Hocking arrived on-site at 200W, MO-612 field laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2800 spectrophotometer, S/N1199689, Method 950, low range hexavalent chromium.
1110	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.
1540	Pulled standard, blank, and sample fluids into hexavalent chromium ampules (lot # A7086, exp. Dec. 2009), analyzed standard, blank, and undiluted samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler	Conductivity (µs/cm)	Water Depth-m(TOC)
Blank	—	—	-0.005	—	—	—	—	—
0.10 mg/L std.	—	—	0.102	—	—	—	—	—
B1P6N9	199-D4-4 MS/MSD	I07-063	< 0.005	8/14/2007	11:37	JH	1061	25.902
B1PC96	MS/MSD 199-D4-4	I07-063	0.017	8/14/2007	11:37	JH	1061	25.902
B1P~~6M7~~ C97 ①	MS/MSD 199-D4-4	I07-063	0.017	8/14/2007	11:37	JH	1061	25.902
B1P~~C97~~ 6M7	199-D4-32	I07-063	0.005	8/14/2007	10:02	JH	929	26.003
0.10 mg/L ① std.	—	—	0.102	—	—	—	—	—
Blank	—	—	-0.005	—	—	—	—	—

① MAB 9/7/07

MJH
AUG 22 2007

0000013

M. J. Hocking

AUG 22 2007

Reviewed SEP 07 2007
By: M.A. Baechler

ISRM GW MONITORING Cr+6

140

GRAM, Inc.
M. J. Hocking

8/22/07

Hexavalent Chromium Daily Activity Log
Project: 100-ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/21/07

1400	M.J. Hocking arrived on-site at 200W, MO-612 field laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2800 spectrophotometer, S/N1199689, Method 950, low range hexavalent chromium.
1412	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.
1535	Pulled standard, blank, and sample fluids into hexavalent chromium ampules (lot # A7086, exp. Dec. 2009), analyzed standard, blank, and undiluted samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler	Conductivity (µs/cm)	Water Depth-m(TOC)
Blank	----	----	-0.005	----	----	----	----	----
0.10 mg/L std.	----	----	0.101	----	----	----	----	----
B1P6K6	199-D4-1	I07-063	< 0.005	8/21/2007	10:55	DW	1203	25.829
0.10 mg/L std.	----	----	0.101	----	----	----	----	----
Blank	----	----	-0.003	----	----	----	----	----

MJH
AUG 22 2007

M. J. Hocking

AUG 22 2007

SEP 07 2007
Reviewed
By: M.A. Baechler

M.A. Baechler

0000014

ISRM GW MONITORING SO4

GRAM, Inc.
M. J. Hocking

141

8/22/07

Sulfate Daily Activity Log
Project: ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/21/07

1400	M.J. Hocking 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.
1450	Prepared 50 mg/L standard by adding 1.5 mL of 1000 mg/L HACH sulfate standard, lot #A7016, expiration 1/2009, to 28.50 mL of deionized water.
1538	Prepared 10x dilution for sample using 2-mL of sample fluid and 18-mL of deionized water. Pulled standard, blank, and diluted sample fluids into sulfate ampule (#A7029, expiration Jan. 2012), analyzed sample.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	—	—	0	—	—	—
50 mg/L std.	—	—	49	—	—	—
B1P6K7*	199-D4-1	I07-063	260	8/21/2007	10:55	DW
50 mg/L std.	—	—	49	—	—	—
Blank	—	—	0	—	—	—

*10x dilution

MJH
AUG 22 2007

M. J. Hocking

AUG 22 2007

Reviewed
SEP 07 2007
By: M.A. Baechler

M.A. Baechler

0000015

ISRM GW MONITORING SO4

GRAM, Inc.
M. J. Hocking

8/29/07

Sulfate Daily Activity Log
Project: ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/22/07

1410	M.J. Hocking 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.
1430	Prepared 50 mg/L standard by adding 1.5 mL of 1000 mg/L HACH sulfate standard, lot #A7016, expiration 1/2009, to 28.50 mL of deionized water.
1536	Prepared 4x dilution for sample B1P6K4 using 5-mL of sample fluid and 15-mL of deionized water. Pulled standard, blank, and diluted sample fluids into sulfate ampule (#A7029, expiration Jan. 2012), analyzed sample.
1547	Sample B1P6P3 over-ranged; prepared 5x dilution for sample B1P6P3 using 4-mL of sample fluid and 16-mL of deionized water and re-analyzed sample.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	---	---	0	---	---	---
50 mg/L std.	---	---	~~49~~ 51 ①	---	---	---
B1P6K4*	199-D2-8	I07-063	104	8/22/2007	08:23	LDW
B1P6P3**	199-D5-43	I07-063	90	8/22/2007	08:58	FMH
50 mg/L std.	---	---	~~49~~ 51 ①	---	---	---
Blank	---	---	0	---	---	---

*4x dilution; **5x dilution

① MJH 9/7/07

M. J. Hocking

AUG 29 2007

MJH

AUG 29 2007

Reviewed SEP 07 2007
By: M.A. Baechler

M.A. Baechler

0000016

ISRM GW MONITORING Cr+6

144

GRAM, Inc.
M. J. Hocking

8/22/07

Hexavalent Chromium Daily Activity Log
Project: 100-ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/22/07

1410	M.J. Hocking arrived on-site at 200W, MO-612 field laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2800 spectrophotometer, S/N1199689, Method 950, low range hexavalent chromium.
1420	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.
1528	Pulled standard, blank, and sample fluids into hexavalent chromium ampules (lot # A7086, exp. Dec. 2009), analyzed standard, blank, and undiluted samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler	Conductivity (µs/cm)	Water Depth-m(TOC)
Blank	----	----	-0.006	----	----	----	----	----
0.10 mg/L std.	----	----	0.095	----	----	----	----	----
B1P6K3	199-D2-8	I07-063	0.291	8/22/2007	08:23	LDW	523	25.700
B1P6P2	199-D5-43	I07-063	0.248	8/22/2007	08:58	FMH	504	25.885
0.10 mg/L std.	----	----	0.095	----	----	----	----	----
Blank	----	----	-0.006	----	----	----	----	----

M. J. Hocking

AUG 29 2007

MJH

9 2007

SEP 17 2007

Reviewed
By: M.A. Buechler

M.A. Buechler

0000017

ISRM GW MONITORING Cr+6

GRAM, Inc.
M. J. Hocking

Hexavalent Chromium Daily Activity Log
Project: 100-ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/28/07

1400	M.J. Hocking arrived on-site at 200W, MO-612 field laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2800 spectrophotometer, S/N1199689, Method 950, low range hexavalent chromium.
1426	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.
1605	Pulled standard, blank, and sample fluids into hexavalent chromium ampules (lot # A7086, exp. Dec. 2009), analyzed standard, blank, and undiluted samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler	Conductivity (µs/cm)	Water Depth-m(TOC)
Blank	---	---	-0.006	---	---	---	---	---
0.10 mg/L std.	---	---	0.101	---	---	---	---	---
B1P6P8	199-D4-5	I07-063	< 0.005	8/28/2007	10:39	RS	895	25.947
B1P6N0	199-D4-36	I07-063	0.030	8/28/2007	09:30	RS	564	25.970
0.10 mg/L std.	---	---	0.101	---	---	---	---	---
Blank	---	---	-0.006	---	---	---	---	---

M. J. Hocking

AUG 29 2007

MJH

AUG 29 2007

Reviewed SEP 10 2007
M.A. Raechler

M. A. Raechler

ISRM GW MONITORING SO4

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GRAM, Inc.
M. J. Hocking

8/28/07

Sulfate Daily Activity Log
Project: ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 9
Date: 8/28/07

1400	M.J. Hocking 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.
1433	Prepared 50 mg/L standard by adding 1.5 mL of 1000 mg/L HACH sulfate standard, lot #A7016, expiration 1/2009, to 28.50 mL of deionized water.
1611	Prepared 10x dilution for sample B1P6P9 using 2-mL of sample fluid and 18-mL of deionized water; prepared 4x dilution for sample B1P6N1 using 5-mL of sample fluid and 15-mL of deionized water. Pulled standard, blank, and diluted sample fluids into sulfate ampules (#A7029, expiration Jan. 2012), analyzed samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	—	—	0	—	—	—
50 mg/L std.	—	—	49	—	—	—
B1P6P9**	199-D4-5	I07-063	210	8/28/2007	10:39	RS
B1P6N1*	199-D4-36	I07-063	112	8/28/2007	09:30	RS
50 mg/L std.	—	—	49	—	—	—
Blank	—	—	0	—	—	—

*4x dilution; **10x dilution

Reviewed SEP 10 2007
By. M.A. Baechler

MJH

M. J. Hocking

AUG 29 2007

AUG 29 2007

M. A. Baechler

0000019

10

100-ISRM GW MONITORING Cr^{+6}

GRAM, Inc.
M. J. Hocking

9/5/07

Hexavalent Chromium Daily Activity Log
Project: 100-ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 10
Date: 8/30/07

1455	M.J. Hocking arrived on-site at 200W, MO-612 field laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2800 spectrophotometer, S/N1199689, Method 950, low range hexavalent chromium.
1535	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.
1602	Pulled standard, blank, and sample fluids into hexavalent chromium ampules (lot # A7086, exp. Dec. 2009), analyzed standard, blank, and undiluted samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler	Conductivity (µs/cm)	Water Depth-m(TOC)
Blank	----	----	-0.007	----	----	----	----	----
0.10 mg/L std.	----	----	0.098	----	----	----	----	----
B1P6R7	199-D4-7	I07-063	0.011	8/30/2007	14:23	RS	925	26.003
0.10 mg/L std.	----	----	0.098	----	----	----	----	----
Blank	----	----	-0.007	----	----	----	----	----

MJH
9/5/07

SEP 10 2007

Reviewed
By: M.A. Baechler

M. J. Hocking

SEP 5 2007

0000020

ISRM GW MONITORING SO4

GRAM, Inc.
M. J. Hocking

9/5/07

Sulfate Daily Activity Log
Project: ISRM GW Monitoring
SAF I07-063
Logbook HNF-N-296 10
Date: 8/30/07

1455	M.J. Hocking 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.
1537	Prepared 50 mg/L standard by adding 1.5 mL of 1000 mg/L HACH sulfate standard, lot #A7016, expiration 1/2009, to 28.50 mL of deionized water.
1610	Prepared 5x dilution for sample using 4-mL of sample fluid and 16-mL of deionized water; Pulled standard, blank, and diluted sample fluids into sulfate ampules (#A7029, expiration Jan. 2012), analyzed samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	---	---	0	---	---	---
50 mg/L std.	---	---	52	---	---	---
B1P6R8*	199-D4-7	I07-063	215	8/30/2007	14:23	RS
50 mg/L std.	---	---	52	---	---	---
Blank	---	---	0	---	---	---

*5x dilution

MJH
9/5/07

M. J. Hocking
SEP 5 2007

Reviewed SEP 10 2007
By: M.A. Baechler

M. A. Baechler

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I07-063-2
		Page 1 of 1

Collector ~~Fluor Hanford~~ L. D. WALL	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I07-063	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title ISRM-LOI, AUGUST 2007	HNF-N-506-8	Ice Chest No. 12 Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6K3 (F)		W	8-22-07	~~0823~~ 0823	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6K4		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
~~Fluor Hanford~~ L. D. WALL	L.D. Wall		AUG 22 2007 1400	J. Mehrer			AUG 22 2007 1400
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return for customer, per lab procedure, used in process) RETURNED TO OU

Disposed By M. J. Hocking Date/Time AUG 22 2007

00022

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I07-063-4
		Page 1 of 1

Collector: Dave Williamson, Fluor Hanford	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I07-063	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: ISRM-LOI AUGUST 2007	HNF-N-506 9	Ice Chest No.: SUL 595 Temp.
Shipped To (Lab): Mobile Field Laboratory	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6K6 (F)		W	8-21-07	1055	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6K7		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
Dave Williamson, Fluor Hanford	[signature]	AUG 21 2007 1443	MJ HOCKING	[signature]	AUG 21 2007 1443
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time
	RETURNED TO OU	M. J. Hocking [signature]	AUG 21 2007

0020023

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-063-6

Page 1 of 1

Collector: Fluor Hanford D. R. BREWINGTON	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I07-063	Sampling Origin: Hanford Site	Purchase Order/Charge Code: R.W. 8/6/07
Project Title: ISRM-LOI AUGUST 2007	Logbook: HNF-N-506-6	Ice Chest No: ~~BWA~~ GW-1 Temp.
Shipped To (Lab): Mobile Field Laboratory	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6K9 (F)		W	8/6/07	1011	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6L0		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

R. Wall 8/6/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D. R. Brewington		AUG 0 6 2007 1350	MJ HOCKING			AUG 0 6 2007 1350
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SR = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g. Return to customer, per lab procedure, used in process): RETURNED TO OU

Disposed By: M. J. Hocking Date/Time: AUG 6 2007 1530

0000024

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-063-9

Page 1 of 1

Collector Dave Williamson Fluor Hanford	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I07-063	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title ISRM-LOI, AUGUST 2007	ANF-N-506 9	**Ice Chest No.** SML 562 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6L3 (F)		W	8-7-07	1201	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6L4		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Date/Time	Received By	Date/Time
Dave Williamson Fluor Hanford (Print) (Sign)	AUG 07 2007 1450	MJ Hocking (Print) (Sign)	AUG 07 2007 1450
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process): RETURNED TO OU

Disposed By: M. J. Hocking (Sign) Date/Time: AUG 7 1730

0000025

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I07-063-10
		Page 1 of 1

Collector ~~Dave Williamson~~ Fluor Hanford	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I07-063	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title ISRM-LOI AUGUST 2007	HNF-N-504 9	Ice Chest No. SML 582 Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6L5 (F)		W	8-7-07	1201	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6L6		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
~~Dave Williamson~~ Fluor Hanford			1450 AUG 07 2007	MJ Hocking			1450 AUG 07 2007
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wire	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g. Return to originator, per lab procedure used in process) RETURNED TO OU	Disposed By M. J. Hocking	Date/Time AUG 7 2007 1730

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I07-063-13
		Page 1 of 1

Collector Fluor Hanford F. M. HALL	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I07-063	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title ISRM-LOL AUGUST 2007	HNF-N-506-7	Ice Chest No. SALWS102 Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6L8 (F)		W	8/10/7	1301	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6L9		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford F. M. HALL		AUG 10 2007	1400	MJ HOCKING		AUG 10 2007	1400
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION	Disposal Method (e.g. Return to customer, over lab procedure, used in process)	Disposed By	Date/Time
	RETURNED TO OU	M. J. Hocking	AUG 10 2007 1630

0000002

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I07-063-17
		Page 1 of 1

Collector Fluor Hanford K. B. HULSE	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I07-063	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title ISRM-LOI, AUGUST 2007	HNF-N-506-8	**Ice Chest No.** **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6M1 (F)		W	8/7/07	1153	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6M2		W	8/7/07	1153	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Received By
Print: Fluor Hanford K. B. HULSE; Sign: [signature]; Date/Time: JUL 07 2007 1450	Print: MJ HOCKING; Sign: [signature]; Date/Time: JUL 07 2007 1450
Relinquished By; Date/Time	Received By; Date/Time
Relinquished By; Date/Time	Received By; Date/Time
Relinquished By; Date/Time	Received By; Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liquid
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process): RETURNED TO OU

Disposed By: M. J. Hocking [signature] Date/Time: AUG 7 2007 1730

00000092

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-063-25

Page 1 of 1

Collector: Josh Herrick, Fluor Hanford	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I07-063	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: ISRM-LOI, AUGUST 2007	HNF-N-504-5	Ice Chest No.: GW-1 Temp.
Shipped To (Lab): Mobile Field Laboratory	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6M7 (F)		W	8/14/07	1002	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6M8		W	8/14/07	1002	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Josh Herrick, Fluor Hanford	Josh Herrick		AUG 14 2007 1410	MJ Hocking			AUG 14 2007 1410
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to Customer, Hazardous Waste Treatment, used in process): RETURNED TO OU

Disposed By: M. J. Hocking Date/Time: AUG 14 2007

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-063-29

Page 1 of 1

Collector: ~~Roy Shepard~~ Fluor Hanford	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I07-063	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: ISRM-LOL AUGUST 2007	Logbook: HNF-N-506-8	Ice Chest No.: 6W0-0612 Temp.
Shipped To (Lab): Mobile Field Laboratory	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6N0 (F)		W	8/28/07	0930	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6N1		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

R. Wall 8/28/07

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
~~Roy Shepard~~ Fluor Hanford			AUG 28 2007 1428	MJ Hocking			AUG 28 2007 1428
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DI = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g. Return to customer, per lab procedure, used in process): RETURNED TO OL Disposed By: M. J. Hocking Date/Time: AUG 28 2007

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FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I07-063-33
		Page 1 of 1

Collector	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I07-063 Fluor Hanford K. B. HULSE	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title ISRM-LOL AUGUST 2007		**Ice Chest No.** **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6N3 (F)		W	8/7/07	1318	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6N4		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	Fluor Hanford	[signature]	JUL 07 2007 1450		MJ HOCKING	[signature]	JUL 07 2007 1450
Relinquished By	K. B. HULSE		Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) RETURNED TO OU Disposed By M. J. Hocking [signature] Date/Time AUG 7 2007 1730

0000051

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-063-37

Page 1 of 1

Collector Fluor Hanford K. B. HULSE	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I07-063	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title ISRM-LOL AUGUST 2007	HNF-N-506-8	**Ice Chest No.** **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6N6 (F)		W	8/7/07	1230	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6N7		W	8/7/07	1230	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	Fluor Hanford K. B. HULSE		JUL 07 2007 1450	MJ HOCKING			JUL 07 2007 1450
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) RETURNED TO OU Disposed By M. J. Hocking Date/Time AUG 7 1730

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-063-41

Page 1 of 1

Collector: Josh Hetrick, Fluor Hanford	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I07-063	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: ISRM-LOI, AUGUST 2007	HNF-N-5025	Ice Chest No.: GW-1 Temp.
Shipped To (Lab): Mobile Field Laboratory	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6N9 (F)		W	8/14/07	1137	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6P0		W	8/14/07	1137	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Josh Hetrick, Fluor Hanford			AUG 14 2007 1410	MJ HOCKING			AUG 14 2007 1410
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION

Disposal Method (e.g., Return to customer, per lab procedure, used in process): RETURNED TO OU

Disposed By: M. J. Hocking

Date/Time: AUG 14 2007

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I07-063-45
		Page 1 of 1

Collector ~~Fluor Hanford~~ F. M. HALL	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I07-063	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title ISRM-LOI, AUGUST 2007	HNF-N-506-5 pg 11	Ice Chest No. Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6P2 (F)		W	8-22-07	0858	1x60-mL aG 125 8-22-07	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6P3		W	8-22-07	0858	1x60-mL aG 125 8-22-07	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
~~Fluor Hanford~~ F. M. HALL			8-22-07 1400	J. Mehrer			8-22-07 1400
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time
	RETURNED TO OU	M. J. Hocking	AUG 22 2007

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-063-49

Page 1 of 1

Collector: Fluor Hanford K. J. YOUNG	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I07-063	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: ISRM-LOI, AUGUST 2007	HWF-N-506 7	Ice Chest No.: SAWS 102 Temp.
Shipped To (Lab): Mobile Field Laboratory	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6P5 (F)		W	8/7/07	1019	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6P6		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K. J. YOUNG			AUG 07 2007 1450	MJ HOCKING			AUG 07 2007 1450
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SR	= Sediment	DL	= Drum Liquid
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wipe
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION Disposal Method (e.g. Return to customer, per lab procedure, used in process): RETURNED TO OU

Disposed By: M. J. Hocking Date/Time: AUG 7 2007 1730

C00000

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # 107-063-53
		Page 1 of 1

Collector Roy Shepard, Fluor Hanford	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. 107-063	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title ISRM-LOI AUGUST 2007	Logbook: HNF-N-506-8	**Ice Chest No.** 6000-06-12 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6P8 (F)		W	8/28/07	1039	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6P9		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C
					125 LW. 8/28/07		
			L. Wade		8/28/07		

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Roy Shepard, Fluor Hanford			AUG 28 2007 1428	MJ Hocking			AUG 28 2007 1428
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g. Return to authority, per lab procedure, used in process)	Disposed By	Date/Time
	RETURNED TO OU	M. J. Hocking	AUG 28 2007

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I07-063-57
		Page 1 of 1

Collector Fluor Hanford K. J. YOUNG	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I07-063	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title ISRM-LOL AUGUST 2007	HNF-N-506 7	**Ice Chest No.** SAW5102 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6R1 (F)		W	8/7/07	1105	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6R2		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford K. J. YOUNG			AUG 07 2007 1450	MJ HOCKING			AUG 07 2007 1450
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SR	= Sediment	DL	= Drum Liquid
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) RETURNED TO OU

Disposed By M. J. Hocking Date/Time AUG 7 1730

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-063-61

Collector Fluor Hanford K. J. YOUNG	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I07-063	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title ISRM-LOI, AUGUST 2007	HNF -N- 506 7	**Ice Chest No.** SAWS 102 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6R4 (F)		W	8/7/07	1254	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6R5		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Received By
Print: Fluor Hanford K. J. YOUNG Sign: Date/Time 1450 AUG 07 2007	Print: MJ Hocking Sign: Date/Time 1450 AUG 07 2007
Relinquished By Date/Time	Received By Date/Time
Relinquished By Date/Time	Received By Date/Time
Relinquished By Date/Time	Received By Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liquid
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) RETURNED TO OU

Disposed By M. J. Hocking Date/Time AUG 7 1730

0000038

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-063-65

Page 1 of 1

Collector: Roy Shepard, Fluor Hanford	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I07-063	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: ISRM-LOL AUGUST 2007	HWF-N-506-7	Ice Chest No. Temp.
Shipped To (Lab): Mobile Field Laboratory	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6R7 (F)		W	8-30-07	1423	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6R8		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Roy Shepard, Fluor Hanford			1506 AUG 30 2007	MJ HOCKING			1506 AUG 30 2007
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process): RETURNED TO OU

Disposed By: M. J. Hocking

Date/Time: AUG 30 2007

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I07-063-69
		Page 1 of 1

Collector Dave Williamson ~~Fluor Hanford~~	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I07-063	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title ISRM-LOI, AUGUST 2007	HNF-N-506 9	**Ice Chest No.** SML 562 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6T0 (F)		W	8-7-07	1112	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6T1		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Dave Williamson Fluor Hanford			AUG 07 2007 1450	MJ HOCKING			AUG 07 2007 1450
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) RETURNED TO OU

Disposed By M. J. Hocking Date/Time AUG 7 1730

0000004

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-063-73

Page 1 of 1

Collector: Kevin Patterson, Fluor Hanford	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I07-063	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: ISRM-LOI, AUGUST 2007	HNF-N-506-5	Ice Chest No. Temp.
Shipped To (Lab): Mobile Field Laboratory	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6T3 (F)		W	8-10-07	1138	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6T4		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Kevin Patterson, Fluor Hanford			AUG 10 2007 1400	MJ Hocking			AUG 10 2007 1400
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process): RETURNED TO OL

Disposed By: M. J. Hocking Date/Time: AUG 10 2007 1630

0009041

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I07-063-79
		Page 1 of 1

Collector Dave Williamson ~~Fluor Hanford~~	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I07-063	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title ISRM-LOI, AUGUST 2007	HNF-N-506 9	**Ice Chest No.** SNL 762 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6T7 (F)		W	8-7-07	1246	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6T8		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Dave Williamson Fluor Hanford			1450 AUG 07 2007	MJ HOCKING			1450 AUG 07 2007
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) RETURNED TO OU Disposed By M. J. Hocking Date/Time AUG 7 2007 1730

0000042

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-063-83

Page 1 of 1

Collector: Kevin Patterson, Fluor Hanford	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I07-063	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: ISRM-LOI, AUGUST 2007	HNF-N-506-5	Ice Chest No. Temp.
Shipped To (Lab): Mobile Field Laboratory	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6V0 (F)		W	8-10-07	1252	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6V1		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Kevin Patterson, Fluor Hanford	AUG 10 2007 1400	MJ HOCKING	AUG 10 2007 1400
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process): RETURNED TO OU

Disposed By: M. J. Hocking Date/Time: AUG 10 2007 1630

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FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I07-063-87
		Page 1 of 1

Collector: Kevin Patterson, Fluor Hanford	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I07-063	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: ISRM-LOI, AUGUST 2007	HNF-N-506-85	Ice Chest No. Temp.
Shipped To (Lab): Mobile Field Laboratory	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG's are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6V3 (F)		W	8-10-07	1327	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6V4		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Kevin Patterson, Fluor Hanford			AUG 10 2007 1400	MJ Hocking			AUG 10 2007 1400
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

FINAL SAMPLE DISPOSITION
Disposal Method (e.g., Return to customer, per lab procedure, used in process): RETURNED TO OU
Disposed By: M. J. Hocking
Date/Time: AUG 10 2007 / 1630

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-063-88

Page 1 of 1

Collector: Kevin Patterson, Fluor Hanford	Contact/Requester: Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I07-063	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: ISRM-LOL AUGUST 2007	HWF-N-506-5	Ice Chest No. Temp.
Shipped To (Lab): Mobile Field Laboratory	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1P6V5 (F)		W	8/10/07	1327	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C
B1P6V6		W	↓	↓	1x60-mL aG	COLOR_TK_FLD: Sulfate (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Kevin Patterson, Fluor Hanford			AUG 10 2007 1400	MJ HOCKING			AUG 10 2007 1400
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to originator, return to lab, procedure used in process): RETURNED TO GC

Disposed By: M. J. Hocking Date/Time: AUG 10 2007 1630

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I07-063-89**

Page 1 of 1

Collector Josh Herrick	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I07-063	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title ISRM-LOI AUGUST 2007	HNF-N-506 5	**Ice Chest No.** GW-1 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1PC96 (F)		W	8/14/07	1137	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool-4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Josh Herrick	Josh Herrick		AUG 14 2007 1410	MJ HOCKING			AUG 14 2007 1410
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION

Disposal Method (e.g., Return to customer, per lab procedure, used in process): RETURNED TO OU

Disposed By: M. J. Hocking

Date/Time: AUG 14 2007

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **107-063-90**

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Collector Josh Herrick	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. 107-063	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title ISRM-LOI AUGUST 2007	HNF-N-506 5	**Ice Chest No.** GW-1 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains 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 INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
All SDG?s are to be sent to Steve Trent, FH

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1PC97 (F)		W	8/14/07	1137	1x60-mL aG	COLOR_TK_FLD: Hexavalent Chromium (1)	Cool~4C

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Josh Herrick	Josh Herrick		AUG 14 2007 1410	MJ Hocking		for Hocking	AUG 14 2007 1410
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wipe
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION

Disposal Method (e.g., Return to customer, per lab procedure, used in process): RETURNED TO OU

Disposed By: M. J. Hocking for Hocking

Date/Time: AUG 14 2007