FIELD SCREENING
FINAL DATA DELIVERABLE COVER SHEET

Date: Tuesday, September 16, 2003

Sample Authorization Form (SAF) Number: I03-034

SDG Number (assigned by Sample Management): FP0126 DAyes 9/22/03

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): ~~49~~ 48 DAyes 9/30/03

Comments:
100-HR-3 IAM - Hexavalent Chromium - Water

THESE TESTS WERE CONDUCTED USING QC-1

RECEIVED
NOV 24 2003
EDMC

SEP 2003 RECEIVED

Analyst Signature — Date: 9/15/03

Reviewer's Signature — Date: 9/29/03

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

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

On-Site Measurement of Cr +6

100-HR-3 Groundwater

SAF: I03-034
Procedure: BHI-EE-05, FSP 1.17
Logbook: HNF-N-296 2 Page 2

8/5/2003

Location	Heis Number	SAF	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	Cr +6 (mg/L)	Conductivity (uS/cm)
199-H4-4	B177C9	I03-034	8/4/2003	9:41	RTS	Water	8/5/2003	8:30	TMJ	0.030	395
199-H4-5	B177D2	I03-034	8/4/2003	8:37	RTS	Water	8/5/2003	8:30	TMJ	0.053	540
199-H4-63	B177D3	I03-034	8/4/2003	10:13	RTS	Water	8/5/2003	8:30	TMJ	0.043	493
199-H4-64	B177D4	I03-034	8/4/2003	9:06	RTS	Water	8/5/2003	8:30	TMJ	0.044	364

Logbook: HNF-N-296 2 Page 5

8/20/2003

Location	Heis Number	SAF	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	Cr +6 (mg/L)	Conductivity (uS/cm)
199-D2-6	B177D7	I03-034	8/19/2003	8:51	KJY	Water	8/20/2003	8:19	TMJ	0.097	840
199-D2-6/ FTB 799	B177D9	I03-034	8/19/2003	7:30	KJY	Water	8/20/2003	8:19	TMJ	<0.005	N/A
199-D3-2	B177F1	I03-034	8/19/2003	10:30	KJY	Water	8/20/2003	8:19	TMJ	0.013	556
199-D4-20	B177H3	I03-034	8/19/2003	9:37	KJY	Water	8/20/2003	8:19	TMJ	0.159	649
199-D4-20	B177H5	I03-034	8/19/2003	9:37	KJY	Water	8/20/2003	8:19	TMJ	0.159	649

Logbook: HNF-N-296 2 Page 6

8/21/2003

Location	Heis Number	SAF	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	Cr +6 (mg/L)	Conductivity (uS/cm)
199-D4-15	B177F9*	I03-034	8/20/2003	12:35	RTS	Water	8/21/2003	8:05	MAB	1.20	671
199-D4-22	B177H7	I03-034	8/20/2003	12:19	DRB	Water	8/21/2003	7:56	MAB	0.591	1253

* Sample diluted 4X

Logbook: HNF-N-296 2 Page 7

8/22/2003

Location	Heis Number	SAF	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	Cr +6 (mg/L)	Conductivity (uS/cm)
FTB/ 199-D5-39	B177K3	I03-034	8/21/2003	7:45	DPC	Water	8/22/2003	7:35	MAB	<0.005	N/A
199-D5-39	B177K1*	I03-034	8/21/2003	9:13	DPC	Water	8/22/2003	8:30	MAB	4.96	611
199-D5-43	B177L3	I03-034	8/21/2003	10:08	DPC	Water	8/22/2003	8:30	MAB	0.271	490

* Sample diluted 10X

Logbook: HNF-N-296 2 Page 8

8/22/2003

Location	Heis Number	SAF	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	Cr +6 (mg/L)	Conductivity (uS/cm)
199-D4-13	B177F5	I03-034	8/22/2003	9:44	DRB	Water	8/22/2003	12:50	MAB	<0.005	1272
199-D4-14	B177F7	I03-034	8/22/2003	10:43	DRB	Water	8/22/2003	12:50	MAB	0.005	846
199-D4-19	B177H1	I03-034	8/22/2003	9:11	DRB	Water	8/22/2003	12:50	MAB	<0.005	2602
199-D5-13	B177J1	I03-034	8/22/2003	9:41	KJY	Water	8/22/2003	12:50	MAB	0.748	574
199-D5-16	B177J4	I03-034	8/22/2003	10:58	KJY	Water	8/22/2003	12:50	MAB	0.105	697
199-D5-16	B177J5	I03-034	8/22/2003	10:58	KJY	Water	8/22/2003	12:50	MAB	0.106	697
199-D5-37	B177J7	I03-034	8/22/2003	10:03	DPC	Water	8/22/2003	12:50	MAB	0.369	311
199-D5-37	B177J9	I03-034	8/22/2003	10:03	DPC	Water	8/22/2003	12:50	MAB	0.372	311
199-D5-41	B177K7*	I03-034	8/22/2003	9:29	DPC	Water	8/22/2003	13:10	MAB	1.10	366
199-D5-44	B177L5	I03-034	8/22/2003	10:28	DPC	Water	8/22/2003	12:50	MAB	<0.005	212
199-D8-55	B177L7	I03-034	8/22/2003	11:20	DRB	Water	8/22/2003	12:50	MAB	0.014	183

* Sample diluted 4X

Logbook: HNF-N-296 2 Page 9

8/26/2003

Location	Heis Number	SAF	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	Cr +6 (mg/L)	Conductivity (uS/cm)
199-D5-15	B177J3	I03-034	8/25/2003	10:04	FMH	Water	8/26/2003	7:36	MAB	0.539	629
199-D5-42	B177L1	I03-034	8/25/2003	8:41	FMH	Water	8/26/2003	7:36	MAB	0.044	433
199-D8-70	B177C8	I03-034	8/25/2003	11:04	FMH	Water	8/26/2003	7:36	MAB	0.140	7.41

Logbook: HNF-N-296 2 Page 13

8/27/2003

Location	Heis Number	SAF	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	Cr +6 (mg/L)	Conductivity (uS/cm)
199-D5-14	B177J2	I03-034	8/26/2003	11:57	FMH	Water	8/27/2003	8:32	MAB	0.274	604

Logbook: HNF-N-296 2 Page 14

8/27/2003

Location	Heis Number	SAF	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	Cr +6 (mg/L)	Conductivity (uS/cm)
199-D8-69	B177D5	I03-034	8/27/2003	11:40	KJY	Water	8/27/2003	13:25	MAB	0.052	322
199-D8-69	B177D6	I03-034	8/27/2003	11:40	KJY	Water	8/27/2003	13:25	MAB	0.053	322

Logbook: HNF-N-296 2 Page 15

8/28/2003

Location	Heis Number	SAF	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	Cr +6 (mg/L)	Conductivity (uS/cm)
199-D5-20	B177J8*	I03-034	8/28/2003	11:07	RTS	Water	8/28/2003	13:44	MAB	1.02	441

* Sample diluted by 4X

Analyst: M. A. Baechler/T. M. Johansen Date: 9/4/2003

0081102

On-Site Measurement of SO_4

100-HR-3 Groundwater

SAF:I03-034

Logbook: HNF-N-296 2 Pages 19&20

Date: 9/5/03

Location	Heis Number	SAF	Date Collected	Time Collected	Sampler (Initials)	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	SO_4 (mg/L
199-D2-6	B177D8**	I03-034	8/19/2003	8:51	KJY	Water	9/5/2003	9:28	MAB	196
FTB/199-D2-6	B177F0	I03-034	8/19/2003	7:30	KJY	Water	9/5/2003	9:28	MAB	0
199-D3-2	B177F2*	I03-034	8/19/2003	10:33	KJY	Water	9/5/2003	9:28	MAB	106
199-D4-13	B177F6***	I03-034	8/22/2003	9:44	DRB	Water	9/5/2003	9:28	MAB	420
199-D4-14	B177F8**	I03-034	8/22/2003	10:43	DRB	Water	9/5/2003	9:28	MAB	192
199-D4-15	B177H0**	I03-034	8/20/2003	12:35	RTS	Water	9/5/2003	9:28	MAB	152
199-D4-19	B177H2****	I03-034	8/22/2003	9:11	DRB	Water	9/5/2003	9:28	MAB	1100
199-D4-20	B177H4**	I03-034	8/19/2003	9:37	KJY	Water	9/5/2003	9:28	MAB	144
199-D4-20	B177H6**	I03-034	8/19/2003	9:37	KJY	Water	9/5/2003	9:28	MAB	140
199-D4-22	B177H8**	I03-034	8/20/2003	12:19	DRB	Water	9/5/2003	9:28	MAB	500
199-D5-37	B177J8	I03-034	8/22/2003	10:03	DPC	Water	9/5/2003	10:00	MAB	36
199-D5-37	B177K0	I03-034	8/22/2003	10:03	DPC	Water	9/5/2003	10:00	MAB	37
FTB/199-D5-39	B177K4	I03-034	8/21/2003	7:45	DPC	Water	9/5/2003	10:00	MAB	0
199-D5-39	B177K2**	I03-034	8/21/2003	9:13	DPC	Water	9/5/2003	10:00	MAB	132
199-D5-40	B177K6**	I03-034	8/22/2003	8:50	DPC	Water	9/5/2003	10:00	MAB	148
199-D5-41	B177K8	I03-034	8/22/2003	9:29	DPC	Water	9/5/2003	10:00	MAB	64
199-D5-42	B177L2*	I03-034	8/25/2003	8:41	FMH	Water	9/5/2003	10:00	MAB	86
199-D5-43	B177L4*	I03-034	8/21/2003	10:08	DPC	Water	9/5/2003	10:00	MAB	110
199-D5-44	B177L6	I03-034	8/22/2003	10:28	DPC	Water	9/5/2003	10:00	MAB	15

* 2X Dilution
** 4X Dilution
*** 10X Dilution
**** 20X Dilution

Analyst: M. A. Baechler Date: 9/8/2003

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20 HR-3 GW Monitoring M.A. BAECHLER GS/M.A. Baechler 9/8/03

Sulfate Daily Activity Log
Project: 100-HR-3 GW Monitoring/SAF I03-034
Date: 09/05/03

0830	M. A. Baechler arrived on-site at 200W, HO 68N-1985 mobile laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 952, sulfate. Removed samples from refrigerator and allowed to warm to room temperature.
0835	Prepared 50 mg/L standard by adding 1.5 mL of 1000 mg/L HACH sulfate standard, lot # N7108, no expiration, to 28.50 mL of deionized water.
0950	Diluted samples B177L2 and B177L4 by 2X by placing 10 mL sample in 10 mL deionized water. Diluted samples B177K2 and B177K6 by 4X by adding 5 mL sample to 15 mL deionized water.
1000	Analyzed sample.

Sample #	Well #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	-	0	-	-	-
50 mg/L std.	-	49	-	-	-
B177J8	199-D5-37	36	8/22/03	10:03	DPC
B177K0	199-D5-37	37	8/22/03	10:03	DPC
B177K4	FTB/199-D5-39	0	8/21/03	07:45	DPC
B177K2**	199-D5-39	132	8/21/03	09:13	DPC
B177K6**	199-D5-40	148	8/22/03	08:50	DPC
B177K8	199-D5-41	64	8/22/03	09:29	DPC
B177L2*	199-D5-42	86	8/25/03	08:41	FMH
B177L4*	199-D5-43	110	8/21/03	10:08	DPC
B177L6	199-D5-44	15	8/22/03	10:28	DPC
50 mg/L std.	-	49	-	-	-

* Sample diluted 2X
** Samples diluted 4X

1030 Packed up equipment and left site.

Data were recorded real-time using a laptop computer.

M.A. Baechler 9/8/03

M.A. BAECHLER M.A. Baechler 9/8/03

Reviewed By L.D. Walker 9-8-03

0009004

2

100-HR-3 GW monitoring TMJohansen/65/TMJohansen 8/5/03

Hexavalent Chromium Daily Activity Log
Project: 100-HR-3 IAM / SAF I03-034
Logbook: HNF-N-296 2
Date: 08/05/03

0745	T. M. Johansen arrived on-site at 200W, HO 68N-1985 mobile laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 950, low range hexavalent chromium.
0750	Prepared 0.10 mg/L standard by adding 240 µL of 12.5 mg/L HACH hexavalent chromium standard, lot # A0234, no expiration, to 29.76 mL of deionized water.
0830	Analyzed samples.

Sample #	Well #	Concentration (mg/L)	Date/ Sampled	Time Sampled	Sampler
Blank	-	<0.005	-	-	-
0.10 mg/L std.	-	0.102	-	-	-
B177C9	199-H4-4	0.030	08/04/03	09:41	RTS
B177D2	199-H4-5	0.053	08/04/03	08:37	RTS
B177D3	199-H4-63	0.043	08/04/03	10:13	RTS
B177D4	199-H4-64	0.044	08/04/03	09:06	RTS
0.10 mg/L std.	-	0.102	-	-	-

0900 Packed up equipment and left site.

Data were recorded real-time using a laptop computer.

TMJohansen 8/5/03

TMJ 8/5/03

T.M. JOHANSEN TMJohansen 8/5/03

Reviewed By: M.H. Buchler MG Buchler 8/7/03

4
100-HR-3/ISRM GW Monitoring M.A. Baechler GRS/M.G. Baechler 8/7/03

Sulfate Daily Activity Log
Project: 100-HR-3 GW Monitoring/SAF I03-031
ISRM GW Monitoring/SAF I03-033
Logbook HNF-N-~~261~~ 262
Date: 08/07/03

MAB 8/7/03

0710	M. A. Baechler arrived on-site at 200W, HO 68N-1985 mobile laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 952, sulfate. Removed samples from refrigerator and allowed to warm to room temperature.
0755	Prepared 50 mg/L standard by adding 1.5 mL of 1000 mg/L HACH sulfate standard, lot # N7108, no expiration, to 28.50 mL of deionized water.
0815	Diluted sample B179W9, B17382, B17384, B17386, B17390, and B17392 by 4X by placing 5 mL sample in 15 mL deionized water.
0827	Analyzed samples.

Sample #	Well #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	-	0	-	-	-
50 mg/L std.	-	58	-	-	-
*B179W9	199-D5-20	68	7/30/03	10:28	DPC
B179W8	199-D5-37	43	7/30/03	11:38	DPC
B179X0	199-D5-41	69	7/30/03	10:55	DPC
*B17382	199-D4-15	156	7/28/03	10:45	DRB
*B17384	199-D4-15	156	7/28/03	10:45	DRB
*B17386	199-D5-38	120	7/28/03	10:33	FMH
*B17390	199-D5-39	128	7/28/03	08:41	DRB
*B17392	199-D5-43	100	7/28/03	09:53	FMH
50 mg/L std.	-	58	-	-	-

* Sample diluted 4X

0900 Packed up equipment and left site.

M.A. Baechler 8/7/03

MAB 8/7/03

M.A. Baechler/M.G. Baechler 8/7/03

Reviewed By L.D. Walker 8-7-03

100-HR-3/ISRM GW monitoring MJohansen/GS/[illegible] 8/20/03

5

Hexavalent Chromium Daily Activity Log
Project: 100-HR-3 GW Monitoring / SAF I03-034
ISRM Groundwater Monitoring / SAF I03-036
Logbook HNF-N-296 2
Date: 8/20/03

0735	T. M. Johansen arrived on-site at 200W, HO 68N-1985 mobile laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 950, low range hexavalent chromium.
0740	Prepared 0.10 mg/L standard by adding 240 µL of 12.5 mg/L HACH hexavalent chromium standard, lot # A0234, no expiration, to 29.76 mL of deionized water.
0819	Analyzed samples.

Sample #	Well #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	-	<0.005	-	-	-
0.10 mg/L std.	-	0.109	-	-	-
B177D7	199-D2-6	0.097	8/19/03	08:51	KJY
B177D9	199-D2-6/ EXB 799	<0.005	8/19/03	07:30	KJY
B177F1	199-D3-2	0.013	8/19/03	10:30	KJY
B177H3	199-D4-20	0.159	8/19/03	09:37	KJY
B177H5	199-D4-20	0.159	8/19/03	09:37	KJY
B177M9	199-D4-26	0.391	8/19/03	12:14	KJY
B177R1	199-D4-62	0.010	8/19/03	11:32	RTS
B177R5	199-D4-78	<0.005	8/19/03	10:18	RTS
B177R7	199-D4-83	0.112	8/19/03	12:21	RTS
B177T1	199-D4-84	0.546	8/19/03	09:01	RTS
B177T3	199-D4-85	0.072	8/19/03	08:25	RTS
0.10 mg/L std.	-	0.109	-	-	-

D MAB 8/25/03

0845 Packed up equipment and left site.

Data recorded real time using a laptop computer.

James Johansen 8/20/03

T.M. JOHANSEN/[illegible] 8/20/03

Reviewed By L.D. Walker 8-26-03

HR-3 6 / ISRM GW Monitoring M.A. BAECHLER / GS / M.A. Baechler 8/25/03

Hexavalent Chromium Daily Activity Log
Project: 100-HR-3 GW Monitoring / SAF I03-034
ISRM Groundwater Monitoring / SAF I03-036
Logbook HNF-N-296 2
Date: 8/21/03

0700	M. A. Baechler arrived on-site at 200W, HO 68N-1985 mobile laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 950, low range hexavalent chromium.
0735	Prepared 0.10 mg/L standard by adding 240 µL of 12.5 mg/L HACH hexavalent chromium standard, lot # A0234, no expiration, to 29.76 mL of deionized water.
0756	Analyzed samples.
0800	Diluted sample B177F9 by 4X by placing 5 mL sample into 15 mL deionized water.
0805	Analyzed samples.

Sample #	Well #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	-	<0.005	-	-	-
0.10 mg/L std.	-	0.101	-	-	-
B177F9*	199-D4-15	1.20	8/20/03	12:35	RTS
B177H7	199-D4-22	0.691	8/20/03	12:19	DRB
B177M5	199-D4-1	<0.005	8/20/03	12:05	RTS
B177P9	199-D4-6	0.013	8/20/03	11:14	DRB
B177M7	199-D4-23	0.072	8/20/03	10:25	DRB
B177N7	199-D4-38	0.166	8/20/03	11:24	RTS
B177N9	199-D4-39	0.517	8/20/03	08:51	DRB
0.10 mg/L std.	-	0.101	-	-	-

0815 Packed up equipment.

Data recorded real time using a laptop computer.

M.A. Baechler 8/25/03

MAB 8/25/03

M.A. BAECHLER / M.A. Baechler 8/25/03

Reviewed By L.D. Walker / L.D. Walker 8-26-03

HR-3/ISRM GW Monitoring M.A. BAECHLER/GS/M.A. Baechler 8/25/03 7

Hexavalent Chromium Daily Activity Log
Project: 100-HR-3 GW Monitoring / SAF I03-034
ISRM Groundwater Monitoring / SAF I03-036
Logbook HNF-N-296 2
Date: 8/22/03

0720	M. A. Baechler arrived on-site at 200W, HO 68N-1985 mobile laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 950, low range hexavalent chromium.
0725	Prepared 0.10 mg/L standard by adding 240 µL of 12.5 mg/L HACH hexavalent chromium standard, lot # A0234, no expiration, to 29.76 mL of deionized water.
0735	Analyzed sample B177K3.
0815	Diluted sample B177K1 by 10X by placing 2 mL sample into 18 mL deionized water. Diluted sample B177V3 by 4X by placing 5 mL sample into 15 mL deionized water.
0830	Analyzed remaining samples.

Sample #	Well #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	-	<0.005	-	-	-
0.10 mg/L std.	-	0.102	-	-	-
B177K3	FTB/ 199-D5-39	<0.005	8/21/03	07:45	DPC
B177K1*	199-D5-39	4.96	8/21/03	09:13	DPC
B177L3	199-D5-43	0.271	8/21/03	10:08	DPC
B177P1	199-D4-4	0.010	8/21/03	10:34	RTS
B177P3	199-D4-4	0.011	8/21/03	10:34	RTS
B17861	MS	0.023	8/21/03	11:20	RTS
B17862	MSD	0.024	8/21/03	11:20	RTS
B177P7	199-D4-5	<0.005	8/21/03	09:45	RTS
B177R3	199-D4-7	<0.005	8/21/03	11:20	RTS
B177N1	199-D4-31	0.058	8/21/03	12:24	DPC
B177V3*	199-D5-38	1.12	8/21/03	10:37	DPC
B177T9	199-D5-36	0.038	8/21/03	11:23	DPC
B177V1	199-D5-36	0.038	8/21/03	11:23	DPC
0.10 mg/L std.	-	0.102	-	-	-

0900 Packed up equipment.

Data recorded real time using a laptop computer.

M.A. Baechler 8/25/03

M.A. BAECHLER M.A. Baechler 8/25/03

Reviewed By L.D. Walker 8-26-03

8 HR-3 GW Monitoring M.A. BAECHLER GS M.A. Baechler 8/25/03

Hexavalent Chromium Daily Activity Log
Project: 100-HR-3 GW Monitoring / SAF I03-034
Logbook HNF-N-296 2
Date: 8/22/03

1220	M. A. Baechler arrived on-site at 200W, HO 68N-1985 mobile laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 950, low range hexavalent chromium.
1225	Prepared 0.10 mg/L standard by adding 240 µL of 12.5 mg/L HACH hexavalent chromium standard, lot # A0234, no expiration, to 29.76 mL of deionized water.
1250	Analyzed samples.
1300	Diluted sample B177K7 by 4X by placing 5 mL sample into 15 mL deionized water.
1310	Analyzed diluted sample.

Sample #	Well #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	-	<0.005	-	-	-
0.10 mg/L std.	-	0.102	-	-	-
B177F5	199-D4-13	<0.005	8/22/03	09:44	DRB
B177F7	199-D4-14	0.005	8/22/03	10:43	DRB
B177H1	199-D4-19	<0.005	8/22/03	09:11	DRB
B177J1	199-D5-13	0.748	8/22/03	09:41	KJY
B177J4	199-D5-16	0.105	8/22/03	10:58	KJY
B177J5	199-D5-16	0.106	8/22/03	10:58	KJY
B177J7	199-D5-37	0.369	8/22/03	10:03	DPC
B177J9	199-D5-37	0.372	8/22/03	10:03	DPC
B177K7*	199-D5-41	1.10	8/22/03	09:29	DPC
B177L5	199-D5-44	<0.005	8/22/03	10:28	DPC
B177L7	199-D8-55	0.014	8/22/03	11:20	DRB
0.10 mg/L std.	-	0.102	-	-	-

1320 Packed up equipment and left site.

Data recorded real time using a laptop computer.

M.A. Baechler 8/25/03

MAB 8/25/03

M.A. BAECHLER M.A. Baechler 8/25/03

Reviewed By L.D. Walker 8-26-03

000010

HR-3 GW Monitoring

M.A. BAECHLER /Gs/M.A. Baechler 8/4/03
NMB 9/4/03

Hexavalent Chromium Daily Activity Log
Project: 100-HR-3 GW Monitoring / SAF I03-034
Logbook HNF-N-296 2
Date: 8/26/03

0720	M. A. Baechler arrived on-site at 200W, HO 68N-1985 mobile laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 950, low range hexavalent chromium.
0725	Prepared 0.10 mg/L standard by adding 240 µL of 12.5 mg/L HACH hexavalent chromium standard, lot # A0234, no expiration, to 29.76 mL of deionized water.
0736	Analyzed samples.

Sample #	Well #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	-	<0.005	-	-	-
0.10 mg/L std.	-	0.099	-	-	-
B177J3	199-D5-15	0.539	8/25/03	10:04	FMH
B177L1	199-D5-42	0.044	8/25/03	08:41	FMH
B177C8	199-D8-70	0.140	8/25/03	11:04	FMH
0.10 mg/L std.	-	0.100	-	-	-

0800 Packed up equipment and left site.

Data recorded real time using a laptop computer.

M. A. Baechler 9/4/03

MAB 9/4/03

M.A. BAECHLER /M.A. Baechler
9/4/03

Reviewed
By L.D. Walker
9/8/03

HR-3/KR-4 GW Monitoring M.A. BAECHLER 1GS/M.A. Baechler 9/4/03 13

Hexavalent Chromium Daily Activity Log
Project: 100-HR-3 GW Monitoring / SAF I03-034
KR-4 GW Monitoring / SAF I03-035
Logbook HNF-N-296 2
Date: 8/27/03

0810	M. A. Baechler arrived on-site at 200W, HO 68N-1985 mobile laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 950, low range hexavalent chromium.
0815	Prepared 0.10 mg/L standard by adding 240 µL of 12.5 mg/L HACH hexavalent chromium standard, lot # A0234, no expiration, to 29.76 mL of deionized water.
0832	Analyzed samples.

Sample #	Well #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	-	<0.005	-	-	-
0.10 mg/L std.	-	0.101	-	-	-
B177M2	199-K-18	0.122	8/26/03	09:44	FMH
B177M4	199-K-20	0.069	8/26/03	10:10	FMH
B177L9	199-K-117A	0.006	8/26/03	10:42	FMH
B177M0	199-K-117A	0.006	8/26/03	10:42	FMH
B177J2	199-D5-14	0.274	8/26/03	11:57	FMH
0.10 mg/L std.	-	0.103	-	-	-

0900 Packed up equipment and left site.

Data recorded real time using a laptop computer.

M.A. Baechler 9/4/03

MAB 9/4/03

M.A. BAECHLER M.A. Baechler 9/4/03

Reviewed By L.D. Walker 9-8-03

0001012

14 HR-3 / ISRM GW Monitoring M.A. BAECHLER 1/95 / M.A. Baechler 9/4/03

Hexavalent Chromium Daily Activity Log
Project: 100-HR-3 GW Monitoring / SAF I03-034
ISRM Groundwater Monitoring / SAF I03-036
Logbook HNF-N-296 2
Date: 8/27/03

1315	M. A. Baechler arrived on-site at 200W, HO 68N-1985 mobile laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 950, low range hexavalent chromium.
1320	Prepared 0.10 mg/L standard by adding 240 µL of 12.5 mg/L HACH hexavalent chromium standard, lot # A0234, no expiration, to 29.76 mL of deionized water.
1325	Analyzed samples.

Sample #	Well #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	-	<0.005	-	-	-
0.10 mg/L std.	-	0.099	-	-	-
B177D5	199-D8-69	0.052	8/27/03	11:40	KJY
B177D6	199-D8-69	0.053	8/27/03	11:40	KJY
B177T5	199-D4-86	0.011	8/27/03	10:27	KJY
B177T7	199-D4-86	0.011	8/27/03	10:27	KJY
0.10 mg/L std.	-	0.098	-	-	-

1350 Packed up equipment.

Data recorded real time using a laptop computer.

M.A. Baechler 9/4/03

MAB 9/4/03

M.A. BAECHLER / M.A. Baechler
9/4/03

Reviewed
By L.D. Walker
9-8-03

HR-3/KR-4 GW Monitoring M.A. BAECHLER/ors/M.A. Baechler 9/4/03 15

Hexavalent Chromium Daily Activity Log
Project: 100-HR-3 GW Monitoring / SAF I03-034
KR-4 GW Monitoring / SAF I03-035
Logbook HNF-N-296 2
Date: 8/28/03

1325	M. A. Baechler arrived on-site at 200W, HO 68N-1985 mobile laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 950, low range hexavalent chromium.
1330	Prepared 0.10 mg/L standard by adding 240 µL of 12.5 mg/L HACH hexavalent chromium standard, lot # A0234, no expiration, to 29.76 mL of deionized water.
1335	Analyzed samples.
1338	Diluted sample B177J6 by 4X by placing 5 mL sample into 15 mL deionized water.
1344	Analyzed sample.

Sample #	Well #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	-	<0.005	-	-	-
0.10 mg/L std.	-	0.110	-	-	-
B177L8	199-K-114A	0.076	8/28/03	10:02	RTS
B177M1	199-K-130	0.039	8/28/03	12:38	RTS
B177J6*	199-D5-20	1.02	8/28/03	11:07	RTS
0.10 mg/L std.	-	0.106	-	-	-

1400 Packed up equipment and left site.

Data recorded real time using a laptop computer.

M.A. Baechler 9/4/03

RMB 9/4/03

M.A. BAECHLER M.A. Baechler 9/4/03

Reviewed By L.D. Walker 9-8-03

HR-3 GW Monitoring M.A. BAECHLER 665 M.A. Baechler 9/8/03 19

Sulfate Daily Activity Log
Project: 100-HR-3 GW Monitoring/SAF I03-034
Date: 09/05/03

0830	M. A. Baechler arrived on-site at 200W, HO 68N-1985 mobile laboratory. Set up to analyze samples for hexavalent chromium using a HACH DR 2010 spectrophotometer, S/N 980600009425, Method 952, sulfate. Removed samples from refrigerator and allowed to warm to room temperature.
0835	Prepared 50 mg/L standard by adding 1.5 mL of 1000 mg/L HACH sulfate standard, lot # N7108, no expiration, to 28.50 mL of deionized water.
0900	Diluted sample B177F2 by 2X by placing 10 mL sample in 10 mL deionized water. Diluted samples B177D8, B177F8, B177H0, B177H4, and B177H6 by 4X by adding 5 mL sample to 15 mL deionized water. Diluted samples B177F6 and B177H8 by 10 X by placing 2 mL sample in 18 mL deionized water. Diluted sample B177H2 20 X by placing 1 mL sample in 19 mL deionized water.
0928	Analyzed sample.

Sample #	Well #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler
Blank	-	0	-	-	-
50 mg/L std.	-	51	-	-	-
B177D8**	199-D2-6	196	8/19/03	08:51	KJY
B177F0	FTB/199-D2-6	0	8/19/03	07:30	KJY
B177F2*	199-D3-2	106	8/19/03	10:33	KJY
B177F6***	199-D4-13	420	8/22/03	09:44	DRB
B177F8**	199-D4-14	192	8/22/03	10:43	DRB
B177H0**	199-D4-15	152	8/20/03	12:35	RTS
B177H2****	199-D4-19	1100	8/22/03	09:11	DRB
B177H4**	199-D4-20	144	8/19/03	09:37	KJY
B177H6**	199-D4-20	140	8/19/03	09:37	KJY
B177H8***	199-D4-22	500	8/20/03	12:19	DRB
50 mg/L std.	-	51	-	-	-

* Sample diluted 2X
** Samples diluted 4X
*** Sample diluted 10X
**** Sample diluted 20X

1030 Packed up equipment and left site.

Data were recorded real-time using a laptop computer.

M.A. BAECHLER M.A. Baechler 9/8/03

Reviewed By L.D. Walker 9-8-03

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-51

Page 1 of 1

Collector F.M. HALL	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** DFSNW-SAWS-H73	**Ice Chest No.** SML-221 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177C8 (F)		W	8/25/03	1104	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

Relinquished By F.M. HALL Print / Sign	Date/Time 8/26/03 0715	Received By M.A. Bachler Print / M.A. Bachler Sign	Date/Time 8/26/03 0715
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process) Returned to Project	Disposed By M.A. Bachler	Date/Time 8/26/03 0750

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	

9-11-00

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-53

Page 1 of 1

Collector R.T. SICKLE	Contact/Requester DL STEWART	Telephone No. 509-376-5056 MSIN FAX
SAF No. I03-034	Sampling Origin HANFORD SITE	Purchase Order/Charge Code
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	Logbook No. DFSNW-SAWS-#73	Ice Chest No. SmL-222 Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment GOVT. VEHICLE	Bill of Lading/Air Bill No.
Protocol CERCLA	Data Turnaround 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177C9 (F)		W	8-4-03	0941	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

DUP
8-4-03

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	R.T. SICKLE		8-5-03 0730				8-5-03 0730
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)	Disposed By	Date/Time
	Returned to project	T.M. Johansen	8/5/03 0845

I-4400-00
2-3

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-57

Page 1 of 1

Collector R.T. SICKLE	Contact/Requester DL STEWART	Telephone No. 509-376-5056 MSIN FAX
SAF No. I03-034	Sampling Origin HANFORD SITE	Purchase Order/Charge Code
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	Logbook No. DFSNW-SAWS-H73	Ice Chest No. SML-222 Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment GOVT. VEHICLE	Bill of Lading/Air Bill No.
Protocol CERCLA	Data Turnaround 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177D2 (F)		W	8-4-03	0837	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

8-4-03

Relinquished By Print	Sign	Date/Time	Received By Print	Sign	Date/Time
R.T. SICKLE		8503030	TMcPherson		8-5-03 0230
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, lab procedure, used in process): Returned to project

Disposed By: I.M. Johnsen Date/Time: 8/5/03 0845

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-59

Page 1 of 1

Collector R.T. SICKLE	Contact/Requester DL STEWART	Telephone No. 509-376-5056 MSIN FAX
SAF No. I03-034	Sampling Origin HANFORD SITE	Purchase Order/Charge Code
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	Logbook No. DFSNW-5 AWS-H73	Ice Chest No. SML-222 Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment GOVT. VEHICLE	Bill of Lading/Air Bill No.
Protocol CERCLA	Data Turnaround 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177D3 (F)		W	8-4-03	1013	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

DUP
8-4-03

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	R.T. SICKLE		8-5-03 0730		T. Johansen		8-5-03 0730
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)	Disposed By	Date/Time
	Returned to project	T.M. Johansen	8/5/03 0845

69 1000

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I03-034-61**

Page 1 of 1

Collector R.T. SICKLE	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** DFSNW-SAWS-A73	**Ice Chest No.** SMC-222 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** **Total Activity Exemption:** Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177D4 (F)		W	8-4-03	0906	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

DUP
0
8-4-03

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	R.T. SICKLE		8-5-03 0830		TM Johansen		8-5-03 0830
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)	Disposed By	Date/Time
	Returned to project	T.M. Johansen	8/5/03 0845

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-49

Page 1 of 1

Collector K.J. YOUNG	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** DFSNW-SAM 5 H73	**Ice Chest No.** **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177D5 (F)		W	8-27-03	1140	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
K.J. YOUNG	K.J. YOUNG	K.J. YOUNG	8/27/03 1305	M.A. Buechler	M.A. Buechler	M.A. Buechler	8/27/03 1305
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)	Disposed By	Date/Time
	Returned to project	M.A. Buechler	8/27/03 1340

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I03-034-50**

Page 1 of 1

Collector K.J. YOUNG	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** OFSNW - SAMS H73	**Ice Chest No.** **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177D6 (F)		W	8-27-03	1140	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

Relinquished By	Print K.J. YOUNG	Sign	Date/Time 8/27/03 1305	Received By	Print M.A. Baechler	Sign M.A. Baechler	Date/Time 8/27/03 1323
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 project	Disposed By M.A. Baechler	Date/Time 8/27/03 1340

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23

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-1

Page 1 of 1

Collector K.J. YOUNG	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** OFSNW - SAMS 1472	**Ice Chest No.** **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177D7 (F)		W	8-19-03	0851	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177D8		W	8-19-03	0851	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
K.J. YOUNG	[signature]	8-20-03 0730	[signature]		8-20-03 0730
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)	Disposed By	Date/Time
	Returned to Project	M.A. BAECHLER	9/5/03 0945

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-2

Page 1 of 1

Collector K.J. YOUNG	Contact/Requester DL STEWART	Telephone No. 509-376-5056 MSIN FAX
SAF No. I03-034	Sampling Origin HANFORD SITE	Purchase Order/Charge Code
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	Logbook No. WSRW-SAMS #72	Ice Chest No. Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment GOVT. VEHICLE	Bill of Lading/Air Bill No.
Protocol CERCLA	Data Turnaround 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177D9 (F)		W	8-19-03	0730	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177F0		W	↓	↓	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
K.J. YOUNG			8-20-03 0730				8-20-03 0730
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)	Disposed By	Date/Time
	Returned to project	M.A. BAECHLER	9/3/03 0945

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-3

Page 1 of 1

Collector K.J. YOUNG	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** DFSNW-SAWS H-72	**Ice Chest No.** **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177F1 (F)		W	8-19-03	1033	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177F2		W	↓	↓	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By K.J. YOUNG Print / Sign	Date/Time 8-20-03 0730	Received By M.J. Hanson Print / Sign	Date/Time 8-20-03 0730
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 project	Disposed By M.A. BAECHLER	Date/Time 9/5/03 0945

PNNL	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I03-034-7
		Page 1 of 1

Collector: D. R. BREWINGTON	Contact/Requester: DL STEWART	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: I03-034	Sampling Origin: HANFORD SITE	Purchase Order/Charge Code
Project Title: CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	Logbook No.: DFSNW-SAWS-H67	Ice Chest No.: SML-595 Temp.
Shipped To (Lab): Mobile Field Laboratory	Method of Shipment: GOVT. VEHICLE	Bill of Lading/Air Bill No.
Protocol: CERCLA	Data Turnaround: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177F5 (F)		W	8-22-03	0944	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177F6		W	1	1	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

8-22-03

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
D. R. BREWINGTON	8-22-03 1208	M.A. Baechler	8-22-03 1208

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)	Disposed By	Date/Time
	Returned to project	M.A. BAECHLER	9/3/03 0945

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PNNL	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I03-034-9
		Page 1 of 1

Collector D. R. BREWINGTON	Contact/Requester DL STEWART	Telephone No. 509-376-5056 MSIN FAX
SAF No. I03-034	Sampling Origin HANFORD SITE	Purchase Order/Charge Code
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	Logbook No. DFSNW-SAWS-467	Ice Chest No. SML-595 Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment GOVT VEHICLE	Bill of Lading/Air Bill No.
Protocol CERCLA	Data Turnaround 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177F7 (F)		W	8-22-03	1043	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177F8		W	1	1	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

DLP 8-22-03

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. R. BREWINGTON	D. R. Brewington		8-22-03 1208	M.A. Baechler	M. A. Baechler		8-22-03 1208
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)	Disposed By	Date/Time
	Returned to project	M.A. BAECHLER	9/5/03 0945

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PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-11

Page 1 of 1

Collector R.T. SICKLE	Contact/Requester DL STEWART	Telephone No. 509-376-5056 MSIN FAX
SAF No. I03-034	Sampling Origin HANFORD SITE	Purchase Order/Charge Code
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	Logbook No. DFSNW 5440 J - 173	Ice Chest No. SML 222 Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment GOVT. VEHICLE	Bill of Lading/Air Bill No.
Protocol CERCLA	Data Turnaround 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177F9 (F)		W	8-20-03	1235	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177H0		W	"	"	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	R.T. SICKLE		8/20/03 1340	M.A. Baechler	M.A. Baechler		8/20/03 1340
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 project

Disposed By: M.A. BAECHLER Date/Time: 9/5/03 0945

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-13

Page 1 of 1

Collector D. R. BREWINGTON	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** DFSNW-SAWS-H67	**Ice Chest No.** SmL-595 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** **Total Activity Exemption:** Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177H1 (F)		W	8-22-03	0911	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177H2		W	"	"	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

DLS 8-22-03

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	D. R. BREWINGTON	D.R. Brewington	8-22-03 1208		M.A. Baechler	M.A. Baechler	8-22-03 1208
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 project

Disposed By M.A. BAECHLER Date/Time 9/5/03 0945

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-15

Page 1 of 1

Collector K.J. YOUNG	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** OASIS SAMPLE H72	**Ice Chest No.** **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** **Total Activity Exemption:** Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177H3 (F)		W	8-19-03	0937	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177H4		W	"	"	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By Print K.J. YOUNG Sign [signature]	Date/Time 0730 8-20-03	**Received By** Print [illegible] Sign [signature]	Date/Time 0730 8.20.03
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 Client	**Disposed By** M.A. BAECHLER	Date/Time 9/3/03 0945

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-16

Page 1 of 1

Collector K.J. YOUNG	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING AUGUST 2003	**Logbook No.** DFSNW - SAWS H72	**Ice Chest No.** **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** **Total Activity Exemption:** Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177H5 (F)		W	8-19-03	0937	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177H6		W	↓	↓	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	K.J. YOUNG		8-20-03 0730				8-20-03 0730
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)	Disposed By	Date/Time
	Returned to project	M.A. BAECHLER	9/3/03 0945

PNNL	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I03-034-17
		Page 1 of 1

Collector D. R. BREWINGTON	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** DFSNW- SAWS-H67	**Ice Chest No.** **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** **Total Activity Exemption:** Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177H7 (F)		W	8/20/03	1219	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177H8		W	↓	↓	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
D. R. BREWINGTON	D.R. Brewington	1340 8-20-03	M.A. Baechler	M.A. Baechler	1340 8-20-03
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)	Disposed By	Date/Time
	Returned to project	M.A. BAECHLER	9/5/03 0945

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PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-21

Page 1 of 1

Collector K.J. YOUNG	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** OFSNW - SAMS H72	**Ice Chest No.** **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177J1 (F)		W	8-22-03	0941	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	K.J. YOUNG		AUG 22 2003 1205		M.A. Buchler	M.A. Buchler	AUG 22 2003 1205
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 project	Disposed By M.A. Buchler	Date/Time 8/22/03 1315

PNNL	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I03-034-23
		Page 1 of 1

Collector F. M. HALL	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** DFSNW-GAWS-H63	**Ice Chest No.** 6W5104 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177J2 (F)		W	8/26/03	1157	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

Relinquished By Print F. M. HALL Sign F. M. Hall Date/Time 8/27/03 0755	**Received By** Print M. A. Baechler Sign M. A. Baechler Date/Time 8/27/03 0755	**Matrix ***	
Relinquished By Date/Time	**Received By** Date/Time	S = Soil, SE = Sediment, SO = Solid, SL = Sludge, W = Water, O = Oil, A = Air	DS = Drum Solid, DL = Drum Liqui, T = Tissue, WI = Wipe, L = Liquid, V = Vegetation, X = Other
Relinquished By Date/Time	**Received By** Date/Time		
Relinquished By Date/Time	**Received By** Date/Time		

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Returned to project Disposed By M. A. Baechler Date/Time 8/27/03 0830

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-25

Page 1 of 1

Collector: F. M. HALL	Contact/Requester: DL STEWART	Telephone No.: 509-376-5056 MSIN FAX
SAF No.: I03-034	Sampling Origin: HANFORD SITE	Purchase Order/Charge Code
Project Title: CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	Logbook No.: DFSNW- SAWS - H73	Ice Chest No.: SNL-221 Temp.
Shipped To (Lab): Mobile Field Laboratory	Method of Shipment: GOVT VEHICLE	Bill of Lading/Air Bill No.
Protocol: CERCLA	Data Turnaround: 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177J3 (F)		W	8/25/03	1004	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
F. M. HALL	F. M. Hall	8/26/03 0745	M.F. Baechler	M.F. Baechler	8/26/03 0745
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)	Disposed By	Date/Time
	Returned to Project	M.F. Baechler	8/26/03 0750

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-27

Page 1 of 1

Collector K.J. YOUNG	Contact/Requester DL STEWART	Telephone No. 509-376-5056 MSIN FAX
SAF No. I03-034	Sampling Origin HANFORD SITE	Purchase Order/Charge Code
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	Logbook No. DFSNW-SAWS H72	Ice Chest No. Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment GOVT. VEHICLE	Bill of Lading/Air Bill No.
Protocol CERCLA	Data Turnaround 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177J4 (F)		W	8-22-03	1058	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
K.J. YOUNG	K.J. YOUNG	K.J. Young	AUG 22 2003 1208	M.A. Baucher	M.A. Baucher	M.A. Baucher	AUG 22 2003 1208
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)	Disposed By	Date/Time
	Returned to project	M.A. Baucher	8/20/03 1315

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-28

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Collector K.J. YOUNG	Contact/Requester DL STEWART	Telephone No. 509-376-5056 MSIN FAX
SAF No. I03-034	Sampling Origin HANFORD SITE	Purchase Order/Charge Code
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	Logbook No. DFSNW - SAWS H72	Ice Chest No. Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment GOVT. VEHICLE	Bill of Lading/Air Bill No.
Protocol CERCLA	Data Turnaround 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177J5 (F)		W	8-22-03	1058	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
K.J. YOUNG	K.J. YOUNG	K.J. Young	AUG 22 2003 1208	M.A. Barcher	M.A. Barcher	M.A. Barcher	AUG 22 2003 1208
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)	Disposed By	Date/Time
	Returned to Project	M.A. Barcher	8/20/03 1315

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-29

Page 1 of 1

Collector DURATEK R.T. SICKLE	Contact/Requester DL STEWART	Telephone No. 509-376-5056 MSIN FAX
SAF No. I03-034	Sampling Origin HANFORD SITE	Purchase Order/Charge Code
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	Logbook No. DFSNW-SAMS-467	Ice Chest No. SML-595 Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment GOVT. VEHICLE	Bill of Lading/Air Bill No.
Protocol CERCLA	Data Turnaround 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177J6 (F)		W	8-28-03	1107	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

DW
8-28-03

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	DURATEK R.T. SICKLE		8/28/03 1315	M.A. Baechler	M.A. Baechler	M.A. Baechler	8/28/03 1315
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)	Disposed By	Date/Time
	Returned to project	M.A. BAECHLER	8/28/03 1350

CC
CC

PNNL	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I03-034-31
		Page 1 of 1

Collector DURATEK D. P. CONNOLLY	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** OFSNW-SAWS-H73	**Ice Chest No.** SMIL-222 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS **Hold Time** **Total Activity Exemption:** Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177J7 (F)		W	8/22/03	1003	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177J8		W	↓	↓	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By	Date/Time	Received By	Date/Time
DURATEK D. P. CONNOLLY Print / Sign [signature]	AUG 2 2 2003 1208	M.A. Baechler Print / Sign [signature]	AUG 2 2 2003 1208
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 project	Disposed By M.A. BAECHLER	Date/Time 9/5/03 1015

PNNL DURATEK	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I03-034-32
		Page 1 of 1

Collector DURATEK D. P. CONNOLLY	Contact/Requester DL STEWART	Telephone No. 509-376-5056 MSIN FAX
SAF No. I03-034	Sampling Origin HANFORD SITE	Purchase Order/Charge Code
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	Logbook No. OFSNW-SAWS-H93	Ice Chest No. SML-222 Temp.
Shipped To (Lab) Mobile Field Laboratory	Method of Shipment GOVT. VEHICLE	Bill of Lading/Air Bill No.
Protocol CERCLA	Data Turnaround 45 Days	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177J9 (F)		W	8/22/03	1003	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177K0		W	↓	↓	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By	Date/Time	Received By	Date/Time
Print DURATEK D. P. CONNOLLY Sign [signature]	AUG 2 2 2003 1208	Print M.A. Baechler Sign M.A. Baechler	AUG 2 2 2003 1208

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 project	Disposed By M.A. BAECHLER	Date/Time 9/5/03 1016

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-33

Page 1 of 1

Collector DURATEK D. P. CONNOLLY	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING AUGUST 2003	**Logbook No.** DPSNW-SAWS-H67	**Ice Chest No.** SNL-595 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177K1 (F)		W	8/21/03	0913	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177K2		W	↓	↓	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	DURATEK D P CONNOLLY		8-21-03 1315		M.A. Baechler	M.A. Baechler	8-21-03 1315
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 project Disposed By M.A. BAECHLER Date/Time 9/5/03 1016

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-34

Page 1 of 1

Collector DURATEK D. P. CONNOLLY	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** OFSNW - SAWS - H67	**Ice Chest No.** SMC595 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** **Total Activity Exemption:** Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177K3 (F)		W	8/21/03	0745	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177K4		W	↓	↓	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DURATEK	D. P. CONNOLLY	D Connolly	8-21-03 1315	M.A. Baechler	M. A. Baechler	M. A. Baechler	8-21-03 1315
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)	Disposed By	Date/Time
	Returned to project	M.A. BAECHLER	9/5/03 1016

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I03-034-35**

Page 1 of 1

Collector DURATEK D. P. CONNOLLY	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** DFSNW-SAWS-H73	**Ice Chest No.** JMC 222 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS **Hold Time** **Total Activity Exemption:** Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177K6		W	8-22-03	0850	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DURATEK D. P. CONNOLLY		[signature]	AUG 2 2 2003 1258	M.A. Baechler		M.A. Baechler	AUG 2 2 2003 1258

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 project

Disposed By M.A. BAECHLER Date/Time 9/5/03 1015

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-37

Page 1 of 1

Collector DURATEK D. P. CONNOLLY	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** OFSNW- SAWS- H73	**Ice Chest No.** SMC-222 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** **Total Activity Exemption:** Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177K7 (F)		W	8/22/03	0929	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177K8		W	↓	↓	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DURATEK	D. P. CONNOLLY		AUG 22 2003 1208	M.A. Baechler		M.A. Baechler	AUG 22 2003 1208
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 project Disposed By M.A. BAECHLER Date/Time 9/5/03 1015

0044

PNNL

F.M.HALL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-41

Page 1 of 1

Collector	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** DFSNW-SAWS-H73	**Ice Chest No.** SMK-221 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177L1 (F)		W	8/25/03	0841	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177L2		W	↓	↓	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
F.M. HALL			8/26/03 0715	M.A. Baechler	M.A. Baechler		8/26/03 0715
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 project

Disposed By: M.A. BAECHLER 9/5/03 1015

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-43

Page 1 of 1

Collector DURATEK D. P. CONNOLLY	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** DFSNW-SAWS-H67	**Ice Chest No.** SNC-595 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177L3 (F)		W	8/21/03	1608	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177L4		W	↓	↓	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By: DURATEK D. P. CONNOLLY (Print) D. P. Connolly (Sign)	Date/Time 1315 8-21-03	Received By: M. A. Baechler (Print) M. A. Baechler (Sign)	Date/Time 1315 8-21-03
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 project

Disposed By: M.A. BAECHLER Date/Time: 9/5/03 1015

SNC-595

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-45

Page 1 of 1

Collector DURATEK D. P. CONNOLLY	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** DFSNW-SAWS-H73	**Ice Chest No.** SML-222 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177L5 (F)		W	8/20/03	1028	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
B177L6		W	↓	↓	1x40-mL aGs*	COLOR_TK_FLD: Sulfate (1)	None

Relinquished By DURATEK D. P. CONNOLLY Print / Sign	Date/Time AUG 2 2 2003 1206	Received By M.A. Baechler Print / M.A. Baechler Sign	Date/Time AUG 2 2 2003 1206
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 project Disposed By M.A. BAECHLER Date/Time 9/5/03 1015

A0000003

PNNL

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I03-034-47

Page 1 of 1

Collector D. R. BREWINGTON	**Contact/Requester** DL STEWART	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I03-034	**Sampling Origin** HANFORD SITE	**Purchase Order/Charge Code**
Project Title CERCLA 100HR3IAM (1&2) GW MONITORING, AUGUST 2003	**Logbook No.** DFSNW-SAWS-H67	**Ice Chest No.** SNL-595 **Temp.**
Shipped To (Lab) Mobile Field Laboratory	**Method of Shipment** GOVT. VEHICLE	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Data Turnaround** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS ** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B177L7 (F)		W	8-22-03	1120	1x40-mL aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None

DW 8-22-03

	Print	Sign	Date/Time		Print	Sign	Date/Time
Relinquished By	D. R. BREWINGTON	D.R. Brewington	8-22-03 1200	Received By	M.A. Buchler	M.A. Buchler	8-22-03 1200
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 project	Disposed By M.A. Buchler	Date/Time 8/22/03 1315

0093448