

FIELD SCREENING FINAL DATA DELIVERABLE COVER SHEET

Date: Tuesday, March 15, 2005

Sample Authorization Form (SAF) Number: I05-007

SDG Number (assigned by Sample Management): FP0224 *Days*
3/18/05

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

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

Total number of pages (including cover sheet): 10

Comments:

100-KR-4 IAM - Hexavalent Chromium - Water

THESE TESTS WERE CONDUCTED USING QC-1



[Signature]
Analyst Signature
[Signature]
Reviewer's Signature

3/15/05
Date
3/21/05
Date

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

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

RECEIVED
SEP 21 2005
EDMC

On-Site Measurement of Cr +6

100-KR-4 Groundwater

SAF: I05-007

Procedure: GRP-EE-05-1.17

Logbook: HNF-N-296 3 Page 84

11/24/2004

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-K-117A	B1BMP2	I05-007	11/24/2004	9:49	RRF	Water	11/24/2004	16:00	ROM	0.008	192
199-K-117A	B1BMP3	I05-007	11/24/2004	9:49	RRF	Water	11/24/2004	16:00	ROM	0.009	192
199-K-130	B1BMP4	I05-007	11/24/2004	9:11	DEP	Water	11/24/2004	16:00	ROM	0.101	333
199-K-131	B1BMP5	I05-007	11/24/2004	8:25	DEP	Water	11/24/2004	16:00	ROM	0.078	377
199-K-20	B1BMP9	I05-007	11/24/2004	8:45	FMH	Water	11/24/2004	16:00	ROM	0.042	347

Logbook: HNF-N-296 3 Page 80

11/29/2004

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-K-18	B1BMP6	I05-007	11/29/2004	11:09	RTS	Water	11/29/2004	14:30	PMG	0.137	563

Analyst: RO Mahood/PM Gent

Date: 11/29/2004

V:\ap014\afs\field\c1\c6\data\KR4 Data\c6 knov.xls

100-KR4 G+6

DJ Alexander / GS / J Alexander

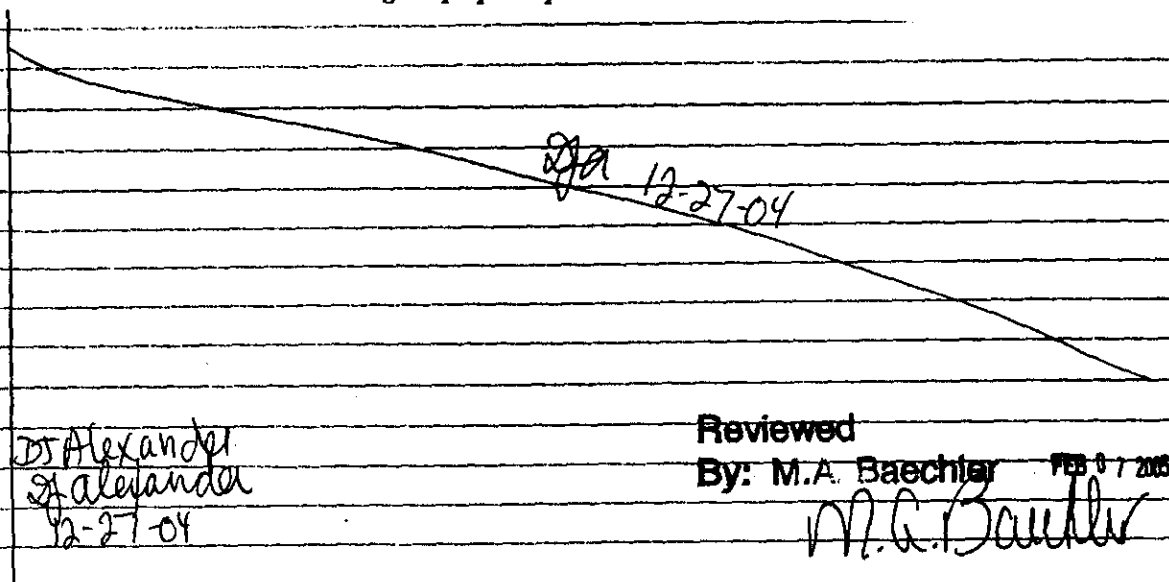
Hexavalent Chromium Daily Activity Log
Project: KR-4 GW Monitoring / SAF I05-007
Logbook HNF-N-296 3
Date: 11/24/04

J Alexander
12-27-04

1530	R.O. Mahood 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.
~1545	Prepared 0.10 mg/L standard by adding 240 µL of 12.5 mg/L HACH hexavalent chromium standard, lot # A2361, no expiration, to 29.76 mL of deionized water.
1600	Analyzed samples B1BMP2, B1BMP3, B1BMP4, B1BMP5, and B1BMP9. All have been filtered by DURATEK samplers (F).
1730	Complete analysis and clean up leave for MO-026.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler	Conductivity (us/cm)
Blank	-	-	<0.005	-	-	-	-
0.10 mg/L std.	-	-	0.108	-	-	-	-
B1BMP2	199-K-117A	I05-007	0.008	11/24/04	09:49	RRF	192
B1BMP3	199-K-117A	I05-007	0.009	11/24/04	09:49	RRF	192
B1BMP4	199-K-130	I05-007	0.101	11/24/04	09:11	DEP	333
B1BMP5	199-K-131	I05-007	0.078	11/24/04	08:25	DEP	377
B1BMP9	199-K-20	I05-007	0.042	11/24/04	08:45	FMH	347
0.10 mg/L std.	-	-	0.107	-	-	-	-

Data recorded real time using a laptop computer.



Reviewed

By: M.A. Baechler

FEB 01 2005

M.A. Baechler

80

100-HR-3 AND KR-4 Crtb

PM GENT/GS/PMG
12/8/04

Hexavalent Chromium Daily Activity Log
Project: 100-HR-3 GW Monitoring / SAF I05-005
KR-4 GW Monitoring / SAF I05-007
Logbook HNF-N-296 3
Date: 11/29/2004

1400	PM Gent 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.
1405	Prepared 0.10 mg/L standard by adding 240 μ L of 12.5 mg/L HACH hexavalent chromium standard, lot # A0234, no expiration, to 29.76 mL of deionized water.
1430	Analyzed samples.

Sample #	Well #	SAF #	Concentration (mg/L)	Date Sampled	Time Sampled	Sampler	Conductivity (μ S/cm)
Blank	-	-	<0.005	-	-	-	-
0.10 mg/L std.	-	-	0.087	-	-	-	-
B1BKD7 *	199-D5-43	I05-005	1.034	11/29/2004	08:55	RTS	589
B1BK95	199-D5-38	I05-005	0.358	11/29/2004	09:44	RTS	482
B1BMP6	199-K-18	I05-007	0.137	11/29/2004	11:09	RTS	563
0.10 mg/L std.	-	-	0.087	-	-	-	-

* 2X DILUTION

PMG
12/8/05

NFE

12/8/04

Reviewed

By: M.A. Baechler FEB 01 2005

P.M. GENT/PMG 12/8/04

M.A. Baechler

PNNL	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST						C.O.C. # I05-007-2
						Page 1 of 1	
Collector DURATEK R. R. FOX	Contact/Requester DL STEWART			Telephone No. 509-376-5036 MSIN FAX			
SAF No. I05-007	Sampling Origin HANFORD SITE			Purchase Order/Charge Code			
Project Title CERCLA 100KR4 IAM (1) GW MONITORING NOVEMBER 2004	Logbook: DTS - S4WS - H83			Ice Chest No. 6WS106 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 ** **				SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ TOTAL ACTIVITY EXEMPTION APPLIES UNLESS OTHERWISE STATED. Batch all PNNL GW samples submitted under "I05" SAF's into one SDG, not to exceed SDG closure of 14 days. Submit invoices & deliverables to DL Stewart, PNNL.			
Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1BMP2 (F)		W	11/24/04	0949	1x40-mL aGe*	COLOR_TK_FLD: Hexavalent Chromium (1)	None
P. Mahood 11/24/04							
Relinquished By DURATEK R. R. FOX Print Sign Date/Time 11-24-04 Received By Richard O. Mahood Richard O. Mahood 11/24/04 11:25 Matrix * 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 or lab processing used in process) RETURNED TO OU Disposed By Ro Mahood Richard O. Mahood 11-24-04 / 1700							

PNNL		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C. # 105-007-3				
						Page 1 of 1				
Collector OURATEK R. R. FOX		Contact/Requester DL STEWART		Telephone No. 509-376-5056		MSIN FAX				
SAF No. 105-007		Sampling Origin HANFORD SITE		Purchase Order/Charge Code						
Project Title CERCLA 100KR4 IAM (1) GW MONITORING NOVEMBER 2004		109 book: DTS - SAWS - H83		Ice Chest No. 6WS106		Temp.				
Shipped To (Lab) Mobile Field Laboratory		Method of Shipment GOVT VEHICLE		BIN of Lading/Air Bill No.						
Protocol CERCLA		Priority: 45 Days		Offsite Property No.						
POSSIBLE SAMPLE HAZARDS/REMARKS				SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ TOTAL ACTIVITY EXEMPTION APPLIES UNLESS OTHERWISE STATED. Batch all PNNL GW samples submitted under "105" SAF's into one SDG, not to exceed SDG closure of 14 days. Submit invoices & deliverables to DL Stewart, PNNL						
Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative			
B1BMP3 (F)		W	11/24/04	0949	1x40-ml. aGs*	COLOR_TK_FLD: Hexavalent Chromium (1)	None			
11/24/04 11/24/04										
Relinquished By OURATEK R. R. FOX		Print	Sign	Date/Time 11-24-04	Received By Richard O. Mahood	Print	Sign	Date/Time 11/24/04 11:25	Matrix *	
Relinquished By				Date/Time	Received By			Date/Time	S = Soil DS = Drums Solid SF = Sediment DI = Drum Liquid SO = Solid T = Tissue SL = Sludge WT = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other	
Relinquished By				Date/Time	Received By			Date/Time		
Relinquished By				Date/Time	Received By			Date/Time		
FINAL SAMPLE DISPOSITION		Disposal Method (See PNNL 105-007 for details on disposal in process)				Disposed By Ro Mahood / Richard O. Mahood		Date/Time 11-24-04/1700		

PNNL		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # I05-007-4	
				Page 1 of 1	
Collector D. E. PARCHEN		Contact/Requester DL STEWART		Telephone No. MSIN FAX 509-376-5056	
SAF No. I05-007		Sampling Origin HANFORD SITE		Purchase Order/Charge Code	
Project Title CERCLA 100KR4 1AM (1) GW MONITORING NOVEMBER 2004		SAWS 486		Ice Chest No. Temp. SAWS 112	
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				SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes ☒ No ☐ TOTAL ACTIVITY EXEMPTION APPLIES UNLESS OTHERWISE STATED. Batch all PNNL GW samples submitted under "I05" SAFs into one SDG, not to exceed SDG closure of 14 days. Submit invoices & deliverables to DL Stewart, PNNL	

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1BMP4 (F)		W	11-24-04	0911	1x40-ml. aGe	COLOR_TK_FLD: Hexavalent Chromium (1)	None

Relinquished By D. E. PARCHEN	Print Sign <i>[Signature]</i>	Date/Time NOV 24 2004	Received By Richard O. Mahood	Print Sign <i>[Signature]</i>	Date/Time NOV 24 2004 11:25	Matrix * S = Soil DS = Drum Solid SF = Sediment DI = Drum Liquid SO = Solid T = Tissue SL = Slurries WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
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)		Disposed by		Date/Time
		RETURNED TO OU		RO Mahood / Richard O. Mahood		11-24-04 / 1700

[illegible]

[illegible]

