

FS0047-Field
041980

0052095

Job No. 22192
Written Response Required? NO
Closes CCN: N/A
OU: 200-ZP-1
TSD: N/A
ERA: N/A
Subject Code: 8630

Environmental
Restoration
Contractor **ERC Team**
Interoffice Memorandum

TO: M. A. Buckmaster, H4-80
J. A. Lereh, BI-35

DATE: February 15, 1997

COPIES: See Below

FROM: R. T. Coffman
Onsite Measurement Services
H9-11/372-9373

SUBJECT: 200-ZP-1 PHASE II PERFORMANCE MONITORING, GROUNDWATER
RESULTS, JANUARY 1997, REV 0

REFERENCES:

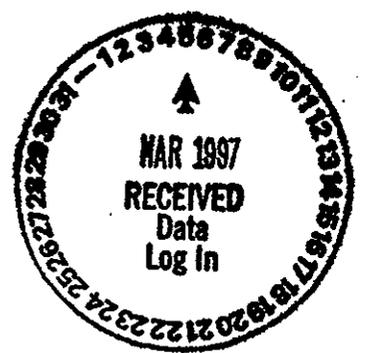
1. BHI, 1996, *On-Site Measurements Quality Assurance Plan*, BHI-00852, REV 0, Bechtel Hanford, Inc., Richland, Washington.
2. BHI, 1995, *Field Screening Procedures*, BHI-EE-05, Bechtel Hanford, Inc., Richland, Washington.
3. BHI, 1995, *200-ZP-1 Field Screening Support Logbook*, EL-1273, Bechtel Hanford, Inc., Richland, Washington.

This data package contains field screening results for groundwater samples analyzed to support 200-ZP-1 IRM Phase II performance monitoring. The Quality Assurance level for this work corresponds to QA-1 as specified in the reference 1 (BHI 1996). Samples collected and analyzed during January 1997 were managed under SAF C97-014 and C97-015. As of January 1, 1997, groundwater sampling responsibilities and oversight was transferred from the ERC, to PNNL, with Rust Federal Services performing the sample collection.

Attachment 1 contains Volatile Organic Compound (VOC) results for groundwater samples collected to support the referenced project. The VOC results were generated using a Hewlett Packard 5890 gas chromatograph with a headspace autosampler operated in accordance with Field Screening Procedure (FSP) 1.1, *Aqueous Headspace Analysis of Volatile Organic Compounds in Water* (BHI 1995). Information concerning operation and calibration of the gas chromatograph is contained in the instrument logbook EL-1329. Please contact me if you have any questions on this information.

R. T. Coffman
R. T. Coffman, Engineer/Analyst

RTC:rtc



M. A. Buckmaster, H4-80

Page 2

Attachments:

Attachment 1. 200-ZP-1 IRM Phase II Performance Monitoring, Groundwater Results,
January 1997

Attachment 2. Sample Chain of Custody Sheets

Copies:

J. R. Freeman-Pollard, H9-12, w/attachment 1 only

B. H. Ford, H0-02, w/attachment 1 only

I. D. Jacques, H9-10, w/attachment 1 only

R. B. Kerkow, H9-10, w/attachment 1 only

A. M. Hopkins, H9-11, w/attachment 1 only

S. A. Strobe, T7-12, w/attachment 1 only

L. C. Swanson, H9-11, w/attachment 1 only

BHI Document Control, H4-79, w/original attachments

200-ZP-1 Phase II Performance Monitoring
Groundwater Results, January 1997
SAF C97-014 and C97-015

<i>Sample Location</i>	<i>HEIS Number</i>	<i>Sample Date</i>	<i>Analysis Date</i>	<i>Chloroform (µg/L)</i>	<i>Carbon Tetrachloride (µg/L)</i>	<i>Trichloroethylene (µg/L)</i>
299-W15-1	BOJRC4	1/29/97	2/5/97	20	3500	12
299-W15-7	BOJRC5	1/28/97	2/5/97	47	3200	18
Duplicate @ 299-W15-7	BOJRD0	1/28/97	2/5/97	46	3200	18
299-W15-10	BOJRC6	1/27/97	2/5/97	34	4100	14
299-W15-11	BOJRC7	1/27/97	2/5/97	13	740	<2.0
299-W15-25	BOJRC8	1/28/97	2/5/97	70	2700	5.4
299-W15-30	BOJRD6	1/29/97	2/5/97	74	5900	7.4
Duplicate @ 299-W15-30	BOJRD7	1/29/97	2/5/97	79	6500	8.5
299-W15-31A	BOJRD8	1/29/97	2/5/97	57	5100	7.3
299-W15-38	BOJRC9	1/28/97	2/5/97	31	2900	<2.0
299-W18-23	BOJRD9	1/29/97	2/5/97	4.5	610	<2.0
299-W18-26	BOJRF0	1/28/97	2/5/97	16	190	<2.0
699-39-79	BOJRF1	1/28/97	2/5/97	7.5	550	<2.0

j - Value less than practical quantitation limit

VOA Instrument: Hewlett Packard 5890 GC, Serial # 3235A47685
 Method: Dual DB-VRX columns, ECD/FID, 1 mL headspace injection
 Logbook: 200-ZP-1 Field Logbook, EL-1273, pgs 132 to 134

Analyst:

R.T. Coffman 2/15/97
 R.T. Coffman

Analyst:

R.B. Kerkow 2/28/97
 R.B. Kerkow

Collector RR FOX (RFS)	Company Contact J.H. KESSNER	Telephone No. (509) 372-9538	Project Coordinator Stewart, DL	Data Turnaround Field
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Project Designation 200-ZP-1 IRM (Group 1) Groundwater Sampling-FY1997	Sampling Location 200-W	SAF No. C97-014
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Ice Chest No. SM-L 276	Field Logbook No. EFL-111-6 PAGE 66	Method of Shipment Gov. Vehicle
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Shipped To Mobile Laboratory	Offsite Property No. N/A	Bill of Lading/Air Bill No. N/A
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POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	HCl to pH <2 Cooled to 4C								
	Type of Container	Gs*								
	No. of Container(s)	1								
Special Handling and/or Storage	Volume	40ml								

SAMPLE ANALYSIS		VOA BY FIELD GC -- Chlorinated Hydrocarbon								

Sample No.	Matrix *	Sample Date	Sample Time							
BOJRC4	Water	JAN 29 1997	1240	✓						

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By RR FOX (RFS)	Date/Time 1300 1-29-97	Received By <i>RT Coffman</i>	Date/Time 1300 1-29-97
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

SPECIAL INSTRUCTIONS
TOTAL ACTIVITY EXEMPT

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

LABORATORY SECTION	Received By	Title	Date/Time
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FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time
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Collector RZ STEFFLER (RFS)	Company Contact J.H. KESSNER	Telephone No. (509) 372-9538	Project Coordinator Stewart, DL	Data Turnaround Field
Project Designation 200-ZP-1 IRM (Group 1) Groundwater Sampling--FY1997	Sampling Location 200-W	SAF No. C97-014		
Ice Chest No. SML-545	Field Logbook No. WHC-N-205 #63	Method of Shipment Gov. Vehicle		
Shipped To Mobile Laboratory	Offsite Property No. NA	Bill of Lading/Air Bill No. NA		

POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	HCl to pH <2 Cooled to 4C																		
	Type of Container	Gs*																		
	No. of Container(s)	1																		
Special Handling and/or Storage	Volume	40ml																		
SAMPLE ANALYSIS		VOA BY FIELD GC - Chlorinated Hydrocarbon																		

Sample No.	Matrix *	Sample Date	Sample Time																		
BOJRC5	Water	JAN 28 1997	0929	X																	

CHAIN OF POSSESSION	Sign/Print Names		SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT										Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other		
	Relinquished By RZ STEFFLER (RFS)	Date/Time 1-28-97 1245	Received By R. Coffman	Date/Time 1-28-97 1245											
	Relinquished By	Date/Time	Received By	Date/Time											
	Relinquished By	Date/Time	Received By	Date/Time											
Relinquished By	Date/Time	Received By	Date/Time												

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

Collector RZ STEFFLER (RFS)	Company Contact J.H. KESSNER	Telephone No. (509) 372-9538	Project Coordinator Stewart, DL	Data Turnaround Field
Project Designation 200-ZP-1 IRM (Group 1) Groundwater Sampling-FY1997	Sampling Location 200-W	SAF No. C97-014		
Ice Chest No. SML-545	Field Logbook No. WHC-N-205 #63	Method of Shipment Hand Carried		
Shipped To Mobile Laboratory	Offsite Property No. NA	Bill of Lading/Air Bill No. NA		

POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	HCl to pH <2 Cooled to 4C									
	Type of Container	Gs*									
	No. of Container(s)	1									
	Special Handling and/or Storage	Volume	40ml								
SAMPLE ANALYSIS		VOA BY FIELD GC - Chloronated Hydrocarbon									

Sample No.	Matrix *	Sample Date	Sample Time										
BOJRDO	Water	JAN 28 1997	0929	X									

CHAIN OF POSSESSION	Sign/Print Names				SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT	Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other
	Relinquished By RZ STEFFLER (RFS)	Date/Time 1-28-97 1245	Received By RT COFFMAN	Date/Time 1-28-97		
	Relinquished By	Date/Time	Received By	Date/Time		
	Relinquished By	Date/Time	Received By	Date/Time		
	Relinquished By	Date/Time	Received By	Date/Time		

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

Collector **RZ STEFFLER (RFS)** Company Contact **J.H. KESSNER** Telephone No. **(509) 372-9538** Project Coordinator **Stewart, DL** Data Turnaround **Field**

Project Designation **200-ZP-1 IRM (Group 1) Groundwater Sampling--FY1997** Sampling Location **200-W** SAF No. **C97-014**

Ice Chest No. **SML-263** Field Logbook No. **LVHL-N-205#63** Method of Shipment **BOV 4 + TRUCK**

Shipped To **Mobile Laboratory** Offsite Property No. **N/A** Bill of Lading/Air Bill No. **N/A**

POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	HCl to pH <2 Cooled to 4C																	
	Type of Container	Gs*																	
	No. of Container(s)	1																	

Special Handling and/or Storage **Volume** **40ml**

SAMPLE ANALYSIS VOA BY FIELD GC - Chlorinated Hydrocarbon

Sample No.	Matrix *	Sample Date	Sample Time																
BOJRC6	Water	1-27-97	1145	X															

CHAIN OF POSSESSION Sign/Print Names SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT

Relinquished By RZ STEFFLER (RFS) Date/Time 1-27-97 1218	Received By Richard B. Kerwin Date/Time 1/27/97
Relinquished By [Signature] 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
 SE - Sediment
 SO - Solid
 SL - Sludge
 W - Water
 O - Oil
 A - Air
 DS - Drum Solids
 DL - Drum Liquids
 T - Tissue
 WI - Wipe
 L - Liquid
 V - Vegetation
 X - Other

LABORATORY SECTION Received By _____ Title _____ Date/Time _____

FINAL SAMPLE DISPOSITION Disposal Method _____ Disposed By _____ Date/Time _____

Collector RZ STEFFLER (RFS)	Company Contact J.H. KESSNER	Telephone No. (509) 372-9538	Project Coordinator Stewart, DL	Data Turnaround Field
Project Designation 200-ZP-1 IRM (Group 1) Groundwater Sampling-FY1997	Sampling Location 200-W	SAF No. C97-014		
Ice Chest No. SML-263	Field Logbook No. WAC-N-205 # 63	Method of Shipment GOV'T TRUCK		
Shipped To Mobile Laboratory	Offsite Property No. N/A	Bill of Lading/Air Bill No. N/A		

POSSIBLE SAMPLE HAZARDS/REMARKS Sample contains Air	Preservation	HCl to pH <2 Cooled to 4C																		
	Type of Container	Gs*																		
	No. of Container(s)	1																		
Special Handling and/or Storage	Volume	40ml																		
SAMPLE ANALYSIS		VOA BY FIELD GC - Chlorinated Hydrocarbon																		

Sample No.	Matrix *	Sample Date	Sample Time																		
BOJRC7	Water	1-27-97	1010	X																	

CHAIN OF POSSESSION	Sign/Print Names		SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT										Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other		
	Relinquished By RZ STEFFLER (RFS)	Date/Time 1-27-97 1218	Received By Richard Kerkow	Date/Time 1/27/97											
	Relinquished By	Date/Time	Received By	Date/Time											
	Relinquished By	Date/Time	Received By	Date/Time											

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

Collector RR FOX (RFS)	Company Contact J.H. KESSNER	Telephone No. (509) 372-9538	Project Coordinator Stewart, DL	Data Turnaround Field
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Project Designation 200-ZP-1 IRM (Group 1) Groundwater Sampling-FY1997	Sampling Location 200-W	SAF No. C97-014
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Ice Chest No. <i>S.W.C. 276</i>	Field Logbook No. <i>FFL-1111-G PAGE 64</i>	Method of Shipment <i>Gov. Vehicle</i>
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Shipped To Mobile Laboratory	Offsite Property No. <i>N/A</i>	Bill of Lading/Air Bill No. <i>N/A</i>
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POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	HCl to pH <2 Cooled to 4C																		
	Type of Container	Gs*																		
	No. of Container(s)	1																		

Special Handling and/or Storage	Volume	40ml																		
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SAMPLE ANALYSIS		VOA BY FIELD GC -- Chlorinated Hydrocarbon																		
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Sample No.	Matrix *	Sample Date	Sample Time																	
BOJRC8	Water	JAN 28 1997	1230	<i>✓</i>																

CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT												Matrix *	
Relinquished By RR FOX (RFS)	Date/Time 1-28-97	Received By <i>RT Coffman</i>	Date/Time 1300													S	= Soil
Relinquished By	Date/Time	Received By	Date/Time													SE	= Sediment
Relinquished By	Date/Time	Received By	Date/Time													SO	= Solid
Relinquished By	Date/Time	Received By	Date/Time													SL	= Sludge
Relinquished By	Date/Time	Received By	Date/Time													W	= Water
Relinquished By	Date/Time	Received By	Date/Time													O	= Oil
Relinquished By	Date/Time	Received By	Date/Time													A	= Air
Relinquished By	Date/Time	Received By	Date/Time													DS	= Drum Solids
Relinquished By	Date/Time	Received By	Date/Time													DL	= Drum Liquids
Relinquished By	Date/Time	Received By	Date/Time													T	= Tissue
Relinquished By	Date/Time	Received By	Date/Time													WI	= Wipe
Relinquished By	Date/Time	Received By	Date/Time													L	= Liquid
Relinquished By	Date/Time	Received By	Date/Time													V	= Vegetation
Relinquished By	Date/Time	Received By	Date/Time													X	= Other

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

Collector RR FOX (RFS)	Company Contact J.H. KESSNER	Telephone No. (509) 372-9538	Project Coordinator Stewart, DL	Data Turnaround Field
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Project Designation 200-ZP-1 IRM (Group 2) Groundwater Sampling--FY1997	Sampling Location 200-W	SAF No. C97-015
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Ice Chest No. <i>5-126 276</i>	Field Logbook No. <i>KFL-1111-G PAGE 65</i>	Method of Shipment <i>COV - Vehicle</i>
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Shipped To Mobile Laboratory	Offsite Property No. <i>N/A</i>	Bill of Lading/Air Bill No. <i>N/A</i>
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POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	HCl to pH < 2 Cooled to 4C																		
	Type of Container	Gs*																		
	No. of Container(s)	1																		

Special Handling and/or Storage	Volume	40ml																	
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SAMPLE ANALYSIS	VOA BY FIELD GC - Chlorinated Hydrocarbon																		
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Sample No.	Matrix *	Sample Date	Sample Time																	
BOJRD6	Water	JAN 29 1997	1039	✓																

CHAIN OF POSSESSION	Sign/Print Names	SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT		Matrix *
Relinquished By RR FOX (RFS)	Date/Time 1300 <i>1-29-97</i>	Received By <i>RT Coffman</i>	Date/Time 1300 <i>1-29-97</i>	S - Soil
Relinquished By	Date/Time	Received By	Date/Time	SE - Sediment
Relinquished By	Date/Time	Received By	Date/Time	SO - Solid
Relinquished By	Date/Time	Received By	Date/Time	SL - Sludge
Relinquished By	Date/Time	Received By	Date/Time	W - Water
Relinquished By	Date/Time	Received By	Date/Time	O - Oil
Relinquished By	Date/Time	Received By	Date/Time	A - Air
Relinquished By	Date/Time	Received By	Date/Time	DS - Drum Solids
Relinquished By	Date/Time	Received By	Date/Time	DL - Drum Liquids
Relinquished By	Date/Time	Received By	Date/Time	T - Tissue
Relinquished By	Date/Time	Received By	Date/Time	WI - Wipe
Relinquished By	Date/Time	Received By	Date/Time	L - Liquid
Relinquished By	Date/Time	Received By	Date/Time	V - Vegetation
Relinquished By	Date/Time	Received By	Date/Time	X - Other

LABORATORY SECTION	Received By	Title	Date/Time
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FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time
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Collector **RR FOX (RFS)** Company Contact **J.H. KESSNER** Telephone No. **(509) 372-9538** Project Coordinator **Stewart, DL** Data Turnaround **Field**

Project Designation **200-ZP-1 IRM (Group 2) Groundwater Sampling--FY 1997** Sampling Location **200-W** SAF No. **C97-015**

Ice Chest No. **SML 226** Field Logbook No. **EFL-111-G PAGE 65** Method of Shipment **Gov. Vehicle**

Shipped To **Mobile Laboratory** Offsite Property No. **N/A** Bill of Lading/Air Bill No. **N/A**

POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	HCl to pH <2 Cooled to 4C											
	Type of Container	Gs*											
	No. of Container(s)	1											

Special Handling and/or Storage **Volume 40ml**

SAMPLE ANALYSIS VOA BY FIELD GC - Chlorinated Hydrocarbon

Sample No.	Matrix *	Sample Date	Sample Time										
BOJRD7	Water	JAN 29 1997	1039	✓									

CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT								Matrix *	
Relinquished By RR FOX (RFS)	Date/Time 1-29-97	Received By RT COFFMAN/RT Coffman	Date/Time 1-29-97									<ul style="list-style-type: none"> S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids 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										
Relinquished By	Date/Time	Received By	Date/Time										
LABORATORY SECTION	Received By	Title										Date/Time	
FINAL SAMPLE DISPOSITION	Disposal Method			Disposed By								Date/Time	

Collector RR FOX (RFS)	Company Contact J.H. KESSNER	Telephone No. (509) 372-9538	Project Coordinator Stewart, DL	Data Turnaround Field
Project Designation 200-ZP-1 IRM (Group 2) Groundwater Sampling--FY1997	Sampling Location 200-W	SAF No. C97-015		
Ice Chest No. SML 224	Field Logbook No. EEL-1111-6 PAGES 65-66	Method of Shipment Cock Vehicle		
Shipped To Mobile Laboratory	Offsite Property No. N/A	Bill of Lading/Air Bill No. N/A		

POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	HCl to pH <2 Cooled to 4C																	
	Type of Container	Gs*																	
	No. of Container(s)	1																	
Special Handling and/or Storage	Volume	40ml																	

SAMPLE ANALYSIS		VOA BY FIELD GC - Chlorinated Hydrocarbon																	
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Sample No.	Matrix *	Sample Date	Sample Time																
BOJRD8	Water	JAN 29 1997	1151	✓															

CHAIN OF POSSESSION	Sign/Print Names		SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT										Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other		
	Relinquished By RR FOX (RFS)	Date/Time 1300 1-29-97	Received By R. COFFMAN / R. Coffman	Date/Time 1300 1-29-97											
	Relinquished By	Date/Time	Received By	Date/Time											
	Relinquished By	Date/Time	Received By	Date/Time											

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

Collector RF THORNTON (RFS)	Company Contact J.H. KESSNER	Telephone No. (509) 372-9538	Project Coordinator Stewart, DL	Data Turnaround Field
Project Designation 200-ZP-1 IRM (Group 2) Groundwater Sampling-FY1997	Sampling Location 200-W	SAF No. C97-015		
Ice Chest No. 325 RT-1-29-97 <i>S19C - 154</i>	Field Logbook No. EFL-1112-S	Method of Shipment CURT VIE H		
Shipped To Mobile Laboratory	Offsite Property No.	Bill of Lading/Air Bill No.		

POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	HCl to pH <2 Cooled to 4C																		
	Type of Container	Gs*																		
	No. of Container(s)	1																		

Special Handling and/or Storage	Volume	40ml																		
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SAMPLE ANALYSIS		VOA BY FIELD GC - Chlorinated Hydrocarbon																		
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Sample No.	Matrix *	Sample Date	Sample Time																		
BOJRD9	Water	1-29-97	10912	X																	

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By RF THORNTON (RFS)	Date/Time 1-29-97 1320	Received By R.R. Fox	Date/Time 1-29-97 1320
Relinquished By R.R. Fox	Date/Time 1-29-97 1348	Received By R. Steina / RT Offma	Date/Time 1-29-97 1348
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

SPECIAL INSTRUCTIONS TOTAL ACTIVITY EXEMPT	Matrix * S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids T - Tissue WI - Wipe L - Liquid V - Vegetation X - Other
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LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector *RZ Steffler (RFS)* Company Contact J.H. KESSNER Telephone No. (509) 372-9538 Project Coordinator Stewart, DL Data Turnaround Field

Project Designation 200-ZP-1 IRM (Group 2) Groundwater Sampling--FY 1997 Sampling Location 200-W SAF No. C97-015

Ice Chest No. *SML-545* Field Logbook No. *WHC-N-205 # 63* Method of Shipment *Hand Carried*

Shipped To Mobile Laboratory Offsite Property No. *NA* Bill of Lading/Air Bill No. *NA*

POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	HCl to pH <2 Cooled to 4C												
	Type of Container	Gs*												
	No. of Container(s)	1												

Special Handling and/or Storage Volume 40ml

SAMPLE ANALYSIS VOA BY FIELD GC - Chlorinated Hydrocarbon

Sample No.	Matrix *	Sample Date	Sample Time											
BOJRF1	Water	<i>1-28-97</i>	<i>1111</i>	<i>X</i>										

CHAIN OF POSSESSION	Sign/Print Names			
Relinquished By	Date/Time	Received By	Date/Time	
<i>RZ STEFFLER (RFS)</i>	<i>1-28-97 1245</i>	<i>RT Coffman</i>	<i>1-28-97 1245</i>	
Relinquished By	Date/Time	Received By	Date/Time	
Relinquished By	Date/Time	Received By	Date/Time	
Relinquished By	Date/Time	Received By	Date/Time	

SPECIAL INSTRUCTIONS
TOTAL ACTIVITY EXEMPT

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

LABORATORY SECTION Received By Title Date/Time

FINAL SAMPLE DISPOSITION Disposal Method Disposed By Date/Time