

START



B088X9-DAT-241

0044937

March 29, 1993
Refer to: 93P318



Ms. Doris Ayres
Westinghouse Hanford Company
HASM
2355 Stevens Drive
MSIN H4-23
345 Hills Street / 300Area
Richland, WA 99352

Dear Ms. Ayres:

The following is to clear up a miss-reading of the Chain-of-custody and/or misprint in the data reported. Please note the reported sample number referenced to the correct number.

CASE #	DCL Sample #	Reported Sample #	Correct Sample #
S93-0197	EM 0867	B088 <u>L</u> 9	B088 <u>Y</u> 9
S93-0209	EM 0920	B088 <u>g</u> 09	B088 <u>o</u> 9

I apologize for any inconvenience this may have caused. Please contact me if you have any questions or if I can be of service in any way.

Sincerely,

Kevin Griffiths
Project Manger

9613457.2344

B088X9-DAT-241



ENVIRONMENTAL WATER REPORT

Form EPRW-A
Page 1 of 3
Part 1 of 2

Date APR 23 1993

Agency Identification Number S93-0209

Account No. 3534C

Westinghouse Hanford Company
2355 Stevens Drive
MSIN H4-23 345 Hill Street/300 Area
Richland, WA 99352
Attention: Briana Colley



Telephone (509) 373-3225

Sampling Collection and Shipment

Sampling Site Date of Collection April 05, 1993

Date Samples Received at Laboratory April 10, 1993

Analytical Results

Table with columns: Parameter Name, Analysis Date, Units, Method, Prep Method, Field Number, Lab Number, and 10 columns of results. Row 1: Hydrazine, 04/16/1993, µg/L, ASTMD1385, ND*, ND*, ND*, ND*, 7., ND*, ND*, ND*.

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
1 Analyses completed on or before this date.
** Parameter not analyzed (See comment page).
() Parameter between LOD and LOQ.
[] Method Reference (See comments page.)



Analyst: Mark A. Nixon
Reviewer: Katherine Kellersberger
Laboratory Supervisor: Norman K. Christensen

9613457.2345



ENVIRONMENTAL WATER REPORT

Form EPRW-A
Page 2 of 3
Part 2 of 2

Date APR 23 1993
Agency Identification Number S93-0209
Account No. 3534C

Westinghouse Hanford Company
2355 Stevens Drive
MSIN H4-23 345 Hill Street/300 Area
Richland, WA 99352
Attention: Briana Colley

Telephone (509) 373-3225

Sampling Collection and Shipment

Sampling Site _____ Date of Collection April 05, 1993

Date Samples Received at Laboratory April 10, 1993

Analytical Results

Parameter Name	Analysis Date	Units	Method	Prep Method	Field Number	Lab Number					Limit of Detection	
Hydrazine	04/16/1993	µg/L	ASTMD1385		B088R4	EM 0918	B088Y9	EM 0919	B08809	EM 0920		3.

† See comment on last page.
 ND Parameter not detected.
 NR Parameter not requested.
 † Analyses completed on or before this date.
 ** Parameter not analyzed (See comment page).
 () Parameter between LOD and LOQ.
 [] Method Reference (See comments page.)

9613457.2346



ENVIRONMENTAL WATER REPORT

Form EPRW-C
Page 3 of 3

Date APR 23 1993
Agency Identification Number S93-0209

General Set Comments

Case Narrative

Nothing unusual was noted during the analysis of these samples. This set was run together with set S93-0226. Quality control data for both sets is with this set.

9613457.2347

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON

Company Contact PH BUTCHER

Telephone (509) 376-5045

Project Designation/Sampling Locations 100-FR-3

Collection Date 4-6-93

Ice Chest No. PERRY

Field Logbook No. EFL-1055

Bill of Lading/Airbill No. 2536954794

Offsite Property No. W93-0420-04

Method of Shipment EMERY

Shipped to DATA CHEM

Possible Sample Hazards/Remarks

Sample Identification

B088X9

1, 40ml, Gs, WATER; HYDRAZINE



Field Transfer of Custody		Chain of Possession			(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time	
<i>L.D. Walker</i> L.D. Walker	4-6-93	1230	<i>R. C. L. L. L.</i> R. C. L. L. L.	4/9/93	0740	

Final Sample Disposition

Disposal Method:

Disposed by:

Date/Time:

Comments:

Samples set in ref 1 on 4/6/93 at 1230

9613457.2349

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON

Company Contact PH BUTCHER

Telephone (509) 376-5045

Project Designation/Sampling Locations 100-FR-3

Collection Date 4-6-93

Ice Chest No. PERRY

Field Logbook No. EFL-1055

Bill of Lading/Airbill No. 2536454714

Offsite Property No. W93-D-420-04

Method of Shipment EMERY

Shipped to DATA CHEM

Possible Sample Hazards/Remarks

Sample Identification

BO 8879

1, 40ml, Gs, WATER; HYDRAZINE



[] Field Transfer of Custody		Chain of Possession			(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time	
L.D. Walker	4-6-93	12:30	PCCole	4/9/93	8740	

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:
------------------	--------------	------------

Comments:

Sample set in Ret. 4 at 1230 on 4/6/93

9613457.2351

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-FR-3

Ice Chest No. PERRY

Bill of Lading/Airbill No. 2536954794

Method of Shipment EMERY

Shipped to DATA CHEM

Possible Sample Hazards/Remarks

Telephone (509) 376-5045

Collection Date 4/5/93

Field Logbook No. EFL1055

Offsite Property No. W93-0420-04

Sample Identification

BO8874

1, 40ml, Gs, WATER; HYDRAZINE



Field Transfer of Custody

Chain of Possession

(Sign and Print Names)

Relinquished By	Date	Time	Received By	Date	Time
<i>GG Hamilton</i> GG HAMILTON	4/5/93	1516	<i>PH Butcher</i> PH BUTCHER	4/9/93	0740

Final Sample Disposition

Disposal Method:

Disposed by:

Date/Time:

Comments:

FRIG #1

9613457.2353

Westinghouse Hanford Company **CHAIN OF CUSTODY**

Custody Form Initiator **KD LEE/GG HAMILTON**
 Company Contact **PH BUTCHER** Telephone **(509) 376-5045**
 Project Designation/Sampling Locations **100-FR-3** Collection Date **4/5/93** ⁴⁻¹²⁻⁹³
 Ice Chest No. **PERRY** Field Logbook No. **EFL 1055**
 Bill of Lading/Airbill No. **2536954794** Offsite Property No. **W93-0-420-04**
 Method of Shipment **EMERY**
 Shipped to **DATA CHEM**
 Possible Sample Hazards/Remarks

Sample Identification

BO 88R9
 1, 40ml, Gs, WATER; HYDRAZINE


<input type="checkbox"/> Field Transfer of Custody	Chain of Possession			(Sign and Print Names)		
Relinquished By	Date	Time	Received By	Date	Time	
<i>[Signature]</i> GG HAMILTON	4/5/93	1516	PCCole PCCole	4/9/93	0740	

Final Sample Disposition

Disposal Method: _____ Disposed by: _____ Date/Time: _____

Comments: _____

9615457.2355

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-FR-3

Ice Chest No. PERRY

Bill of Lading/Airbill No. 2536954794

Method of Shipment EMERY

Shipped to DATA CHEM

Possible Sample Hazards/Remarks

Telephone (509) 376-5045

Collection Date 4/7/93

Field Logbook No. EFL-1054

Offsite Property No. W93-0-420-04

Sample Identification

BO 8854

1, 40ml, Gs, WATER; HYDRAZINE



Field Transfer of Custody

Chain of Possession

(Sign and Print Names)

Relinquished By	Date	Time	Received By	Date	Time
C. Colburn C. Colburn	4/7/93	13:50	PLA PCCoie	4/9/93	0740

Final Sample Disposition

Disposal Method:

Disposed by:

Date/Time:

Comments:

Revised # 1 on 4/7/93 at 1350

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON
 Company Contact PH BUTCHER
 Project Designation/Sampling Locations 100-FR-3
 Ice Chest No. *PER 24*
 Bill of Lading/Airbill No. *2536954794*
 Method of Shipment EMERY
 Shipped to DATA CHEM
 Possible Sample Hazards/Remarks

Telephone (509) 376-5045
 Collection Date *4/7/93*
 Field Logbook No. *ELC-1054*
 Offsite Property No. *W93-0420-24*

Sample Identification

BO 88W9
 1, 40ml, Gs, WATER; HYDRAZINE



[] Field Transfer of Custody		Chain of Possession			(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time	
<i>PH BUTCHER</i>	<i>4/7/93</i>		<i>PH BUTCHER</i>	<i>4/9/93</i>	<i>0740</i>	

Final Sample Disposition

Disposal Method: Disposed by: Date/Time:

Comments:
Retried # 1 on 4/7/93 at 1350

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON
 Company Contact PH BUTCHER
 Project Designation/Sampling Locations 100-FR-3
 Ice Chest No. *PERRY*
 Bill of Lading/Airbill No. *2536954794*
 Method of Shipment EMERY
 Shipped to DATA CHEM
 Possible Sample Hazards/Remarks

Telephone (509) 376-5045
 Collection Date *4/7/93*
 Field Logbook No. *ELC-1054*
 Offsite Property No. *W93-0420-04*

Sample Identification

BO *8933*
 1, 40ml, Gs, WATER; HYDRAZINE



Field Transfer of Custody		Chain of Possession			(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time	
<i>C. C. E. L. B. R. A.</i>	<i>4/7/93</i>	<i>1350</i>	<i>R. L. L. E. E.</i>	<i>4/9/93</i>	<i>0740</i>	

Final Sample Disposition

Disposal Method: Disposed by: Date/Time:

Comments:
Refridg #4 on 4/7/93 at 1350

9613457.2361

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-FR-3

Ice Chest No. PERRY

Bill of Lading/Airbill No. 2536954794

Method of Shipment EMERY

Shipped to DATA CHEM

Possible Sample Hazards/Remarks

Telephone (509) 376-5045

Collection Date 4-7-93

Field Logbook No. EPC-1054

Offsite Property No. W93-0-420-04

Sample Identification

BO8919

1, 40ml, Gs, WATER; HYDRAZINE



Field Transfer of Custody

Chain of Possession

(Sign and Print Names)

Relinquished By	Date	Time	Received By	Date	Time
P. Cole	4-7-93	1350	P. Cole	4/9/93	0740

Final Sample Disposition

Disposal Method: _____ Disposed by: _____ Date/Time: _____

Comments:
 ref # 5 on 4/7/93 at 1350

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-FR-3

Ice Chest No. PERRY

Bill of Lading/Airbill No. 2536954794

Method of Shipment EMERY

Shipped to DATA CHEM

Possible Sample Hazards/Remarks

Telephone (509) 376-5045

Collection Date 4/7/93

Field Logbook No. EFL-1055

Offsite Property No. W93-G-420-04

Sample Identification

BO PERRY

1, 40ml, Gs, WATER; HYDRAZINE



Field Transfer of Custody

Chain of Possession

(Sign and Print Names)

Relinquished By	Date	Time	Received By	Date	Time
K. Trapp / K. Trapp	4/7/93	1350	Relate Relate	4/9/93	0740

Final Sample Disposition

Disposal Method:

Disposed by:

Date/Time:

Comments:

Samples set in refrig at 4/7/93 at 1350

9613457.2365

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator **KD LEE/GG HAMILTON**
 Company Contact **PH BUTCHER**
 Project Designation/Sampling Locations **100-FR-3**
 Ice Chest No. **PERRY**
 Bill of Lading/Airbill No. **2536954794**
 Method of Shipment **EMERY**
 Shipped to **DATA CHEM**
 Possible Sample Hazards/Remarks

Telephone **(509) 376-5045**
 Collection Date **4-8-93**
 Field Logbook No. **EFL1055**
 Offsite Property No. **W93-0-420-04**

Sample Identification

BO88Y9

1, 40ml, Gs, WATER; HYDRAZINE



Field Transfer of Custody

Chain of Possession

(Sign and Print Names)

Relinquished By	Date	Time	Received By	Date	Time
<i>GG HAMILTON</i>	<i>4-8-93</i>	<i>1535</i>	<i>PC Cole</i>	<i>4/9/93</i>	<i>0740</i>

Final Sample Disposition

Disposal Method:

Disposed by:

Date/Time:

Comments:

Samples set in refrig | on 4/8/93 at 1535
Note: Bubbles in Hydrazine sample PC Cole 4/9/93

3615437.2567

Westinghouse Hanford Company	CHAIN OF CUSTODY
Custody Form Initiator KD LEE/GG HAMILTON	Telephone (509) 376-5045
Company Contact PH BUTCHER	Collection Date 4/8/93
Project Designation/Sampling Locations 100-FR-3	Field Logbook No. ELL 1055
Ice Chest No. PERRY	Offsite Property No. W93-0-420-04
Bill of Lading/Airbill No. 2536454794	
Method of Shipment EMERY	
Shipped to DATA CHEM	
Possible Sample Hazards/Remarks	

Sample Identification

B08909
1, 40ml, Gs, WATER; HYDRAZINE



<input type="checkbox"/> Field Transfer of Custody		Chain of Possession			(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time	
<i>GG Hamilton</i> GG HAMILTON	4/8/93	1535	<i>PCLote</i> PCLOTE	4/9/93	0740	

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:
Comments: <i>Sample set in refrig 4 on 4/8/93 at 1535</i>		

9613457.2369

OFFICE OF SAMPLE MANAGEMENT

RECORD OF DISPOSITION

ROD-93-0100

Record of Disposition No.

DATE: 4/14/93

LABORATORY: TMA/DATACHEM

PROJECT TITLE/NO.: 100-FR-3/93-051

NCR NO.: 050043

SAMPLE IDENTIFICATION NUMBERS:

TMA: B088T5-T7, B088X5-X7, B088R0-R2, B088W5-W7, B088S5-S7, B08907, B088Q0, B088Q2, B08901, B088W0, B088W2, B088X0, B08915-917, B088T0-T2, B088R5-R7, B088Y5-Y7, B08905, B08906, B08934-35, B088Q1, B08900, B08902, B088W1, B088X1-X2.

DATACHEM: B08859, B088R9, B088T4, B088T9, B088X9, B08909, B088Y9, B088R4, B08919, B08933, B088W9.

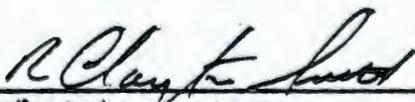
DESCRIPTION OF EVENT:

The chain-of-custodies were not signed as relinquished by the field samplers. Chain-of-custodies were broken.

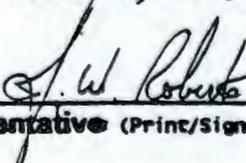
DISPOSITION OF SAMPLES:

With concurrence from J.W. Roberts, project engineer, continue with analysis "for information purposes only".

APPROVAL SIGNATURES:

R. C. Smith / 
OSM Project Coordinator (Print/Sign Name)

4/14/93
Date

J. W. Roberts / 
Technical Representative (Print/Sign Name)

4/14/93
Date

N/A

Quality Assurance (Print/Sign Name)

Date



Westinghouse Hanford Company

NONCONFORMANCE REPORT

1. Page 1 of 1
2. Preprinted No. 050043
QA Log No. EQA-93-071

3. P. O., W. O., or Job Control No. N/A
4. System/End Use RI/FS
5. Item/Material SAMPLES
6. Dwg./Spec./Other No. TOO MANY TO LIST
7. Rev. N/A

8. Program/Project/Other 100-FR-3/93-051
9. Safety Class N/A
10. ASME Code Items Yes No
(If yes, notify authorized inspector)

11. Supplier Name/Address ENVIRONMENTAL FIELD SAMPLING SERVICES
12. Notification of Potential Occurrence Required Yes No

13. Code: Lot/Heat/Serial N/A
14. Lot Size 55
15. Sample 55
16. Qty. Acc. 0
17. Inspection Criteria Dwg. Spec. Insp. Plan Other WHC-CM-7.7, EHS-1 SEC 6.3

18. Item 19. Description of Nonconformance (list serial no. where applicable)
THE CHAIN OF CUSTODIES FOR THE FOLLOWING SAMPLES WERE NOT RELINQUISHED BEFORE SENDING TO LABS:
TMA: B088T5-T7, B088X5-X1, B088R0-R2, B088W5-W7, B088S5-S7, B08907, B088Q0, B088Q2, B08901, B088W0, B088W2, B088X0, B08915-917, B088T0, T2, B088R5, R7, B088Y5-Y7, B08905, B08906, B08934-35, B088Q1, B08900, B08902, B088W1, B088X1, B088X2.
DATA CHEM: B08859, B088R9, B088T4, B088T9, B088X9, B08909, B088Y9, B088R4, B08919, B08933, B088W9.
CHAIN OF CUSTODY BROKEN
22. Disposition, Justification, and Instructions
~~The analysis shall continue for the affected samples. The data shall be appropriately flagged.~~
REWORK
USE AS IS. THESE SAMPLES WERE NOT VALIDATED IN A WHC VALIDATION REPORT. THEREFORE, THIS NCR SHALL SERVE AS THE FLAG TO IDENTIFY POSSIBLE PROBLEMS WITH THE DATA. Steve Vukobrat 11/24/93
Larry Curigan 11-24-93

20. Originator's Signature RC SMITH Date 4/14/93
23. Design Document Change Required? Yes, Doc. No. No

21. Cognizant QA Manager's Signature [Signature] Date 4-16-93
24. Corrective Action Required? Yes, No. No

25. Cognizant Engineer J.W. Roberts Date 4/21/93
26. Technical Rep. NA Date
Signature/Org. NA Date
QA Engineer GS CORRIGAN Date 4-21-93
Signature/Org. NA Date

27. Accept 55 Reject 0 Follow on NCR NA
QA/C Personnel Larry Curigan Date 11-24-93



March 29, 1993
Refer to: 93P318



Ms. Doris Ayres
Westinghouse Hanford Company
HASM
2355 Stevens Drive
MSIN H4-23
345 Hills Street / 300Area
Richland, WA 99352

Dear Ms. Ayres:

The following is to clear up a miss-reading of the Chain-of-custody and/or misprint in the data reported. Please note the reported sample number referenced to the correct number.

CASE #	DCL Sample #	Reported Sample #	Correct Sample #
S93-0197	EM 0867	B088 <u>U</u> 9	B088 <u>Y</u> 9
S93-0209	EM 0920	B088 <u>0</u> 9	B088 <u>0</u> 9

I apologize for any inconvenience this may have caused. Please contact me if you have any questions or if I can be of service in any way.

Sincerely,

Kevin Griffiths
Project Manger

9613457.2372

DATA QUALIFICATION SUMMARY

UNIT: 100-FR-3

DOCUMENT CONTROL NUMBER: WHC-SD-EN-TI-187

ANALYSES: Wet Chemistry

RFW NO.: B088X9-DAT-241

SDG NO.: B088R4

QUALIFICATION SUMMARY:

Data for this package were not validated.

9613457.2373

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON

Company Contact PH BUTCHER

Telephone (509) 376-5045

Project Designation/Sampling Locations 100-FR-3

Collection Date 4-6-93

Ice Chest No. PERRY

Field Logbook No. EFL-1055

Bill of Lading/Airbill No. 2536954794

Offsite Property No. W93-0420-04

Method of Shipment EMERY

Shipped to DATA CHEM

Possible Sample Hazards/Remarks

Sample Identification

B088X9

1, 40ml, Gs, WATER; HYDRAZINE



[] Field Transfer of Custody		Chain of Possession		(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time
<i>L.D. Walker</i>	4-6-93	1230	<i>PClate</i>	4/9/93	0740

Final Sample Disposition

Disposal Method:

Disposed by:

Date/Time:

Comments:

Samples got in ref 1 on 4/6/93 at 1230

9613457.2375

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON

Company Contact PH BUTCHER

Telephone (509) 376-5045

Project Designation/Sampling Locations 100-FR-3

Collection Date 4-6-93

Ice Chest No. PERRY

Field Logbook No. EFL-1055

Bill of Lading/Airbill No. 2536954714

Offsite Property No. W93-D-420-04

Method of Shipment EMERY

Shipped to DATA CHEM

Possible Sample Hazards/Remarks

Sample Identification

BO 8879

1, 40ml, Gs, WATER; HYDRAZINE



[] Field Transfer of Custody		Chain of Possession		(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time
<i>L.D. Walker</i>	4-6-93	1230	<i>P. Cole</i>	4/9/93	8740

Final Sample Disposition		
Disposal Method:	Disposed by:	Date/Time:

Comments:

Sample set in bet. 4 at 1230 on 4/6/93

9613457.2377

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator **KD LEE/GG HAMILTON**

Company Contact **PH BUTCHER**

Project Designation/Sampling Locations **100-FR-3**

Ice Chest No. **PERRY**

Bill of Lading/Airbill No. **2536954794**

Method of Shipment **EMERY**

Shipped to **DATA CHEM**

Possible Sample Hazards/Remarks

Telephone **(509) 376-5045**

Collection Date **4/5/93**

Field Logbook No. **EFL1055**

Offsite Property No. **W93-0420-04**

Sample Identification

B08874

1, 40ml, Gs, WATER; HYDRAZINE



Field Transfer of Custody Chain of Possession (Sign and Print Names)

Relinquished By	Date	Time	Received By	Date	Time
<i>GG Hamilton</i>	<i>4/5/93</i>	<i>1516</i>	<i>Philo P. Lee</i>	<i>4/9/93</i>	<i>0740</i>

Final Sample Disposition

Disposal Method: Disposed by: Date/Time:

Comments:

FRIG #1

9613457.2379

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-FR-3

Ice Chest No. PERRY

Bill of Lading/Airbill No. 2536954794

Method of Shipment EMERY

Shipped to DATA CHEM

Possible Sample Hazards/Remarks

Telephone (509) 376-5045

Collection Date ~~4/7/93~~ 4/5/93 4-12-93

Field Logbook No. EFL 1055

Offsite Property No. W93-D-420-D4

Sample Identification

88A9
1, 40ml, Gs, WATER; HYDRAZINE



Field Transfer of Custody		Chain of Possession		(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time
<i>Handwritten: KD LEE/GG HAMILTON</i>	<i>4/5/93</i>	<i>1516</i>	<i>Handwritten: PH BUTCHER</i>	<i>4/9/93</i>	<i>0740</i>

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:
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Comments:

9613457.2381

Westinghouse
Hanford Company

CHAIN OF CUSTODY

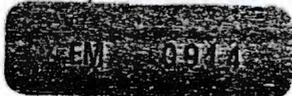
Custody Form Initiator KD LEE/GG HAMILTON
 Company Contact PH BUTCHER
 Project Designation/Sampling Locations 100-FR-3
 Ice Chest No. PERRY
 Bill of Lading/Airbill No. 2536954794
 Method of Shipment EMERY
 Shipped to DATA CHEM
 Possible Sample Hazards/Remarks

Telephone (509) 376-5045
 Collection Date 4/7/93
 Field Logbook No. EFL-1059
 Offsite Property No. W93-0-420-04

Sample Identification

BO 8854

1, 40ml, Gs, WATER; HYDRAZINE



[] Field Transfer of Custody		Chain of Possession			(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time	
C. Colburn	4/7/93	1350	R. Cole	4/9/93	0740	
C. Colburn						

Final Sample Disposition

Disposal Method: _____ Disposed by: _____ Date/Time: _____

Comments: *Revised # 1 on 4/7/93 to 1350*

9613457.2383

Westinghouse Hanford Company CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON
Company Contact PH BUTCHER
Project Designation/Sampling Locations 100-FR-3
Ice Chest No. PERRY
Bill of Lading/Airbill No. 2536954794
Method of Shipment EMERY
Shipped to DATA CHEM
Possible Sample Hazards/Remarks

Telephone (509) 376-5045
Collection Date 4/7/93
Field Logbook No. LFC-1054
Offsite Property No. W93-0420-D4

Sample Identification

BO 88W9
1, 40ml, Gs, WATER; HYDRAZINE



Table with 6 columns: Relinquished By, Date, Time, Received By, Date, Time. Includes handwritten entries for C. C. C. and P. C. C. dated 4-7-93 and 4/9/93.

Final Sample Disposition

Disposal Method: Disposed by: Date/Time:
Comments: Retrieval # 1 on 4/7/93 at 1350

9613457.2385

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON
 Company Contact PH BUTCHER
 Project Designation/Sampling Locations 100-FR-3
 Ice Chest No. *PERRY*
 Bill of Lading/Airbill No. *2536954794*
 Method of Shipment EMERY
 Shipped to DATA CHEM
 Possible Sample Hazards/Remarks

Telephone (509) 376-5045
 Collection Date *4/7/93*
 Field Logbook No. *EL-1054*
 Offsite Property No. *W93-0420-04*

Sample Identification

BO8933
 1, 40ml, Gs, WATER; HYDRAZINE



[] Field Transfer of Custody		Chain of Possession				(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time		
<i>C.C. Liberti</i>	<i>4/7/93</i>	<i>1350</i>	<i>R. Cole</i>	<i>4/9/93</i>	<i>0740</i>		

Final Sample Disposition

Disposal Method: _____ Disposed by: _____ Date/Time: _____
 Comments: *Refusing #4 on 4/7/93 at 1350*

9613457.2387

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-FR-3

Ice Chest No. PERRY

Bill of Lading/Airbill No. 2536954794

Method of Shipment EMERY

Shipped to DATA CHEM

Possible Sample Hazards/Remarks

Telephone (509) 376-5045

Collection Date 4.7.93

Field Logbook No. EFL-1054

Offsite Property No. W93-0420-04

Sample Identification

B08919

1, 40ml, Gs, WATER; HYDRAZINE



[] Field Transfer of Custody		Chain of Possession			(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time	
C. Cole	4.7.93	1350	P. Cole	4/9/93	0740	

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:
Comments: collected #5 on 4/7/93 at 1350		

9613457.2389

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON
 Company Contact PH BUTCHER
 Project Designation/Sampling Locations 100-FR-3
 Ice Chest No. PERRY
 Bill of Lading/Airbill No. 2536954794
 Method of Shipment EMERY
 Shipped to DATA CHEM
 Possible Sample Hazards/Remarks

Telephone (509) 376-5045
 Collection Date 4/1/93
 Field Logbook No. EFL1055
 Offsite Property No. W93-0420-04

Sample Identification

BO PERRY

1, 40ml, Gs, WATER; HYDRAZINE



[] Field Transfer of Custody		Chain of Possession		(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time
K. Trapp/K. Trapp	4/7/93	1350	Alale PCCOKE	4/9/93	0740

Final Sample Disposition

Disposal Method: Disposed by: Date/Time:

Comments: Samples set in refrig at 4/7/93 at 1350

9613497.2391

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON
 Company Contact PH BUTCHER
 Project Designation/Sampling Locations 100-FR-3
 Ice Chest No. PERRY
 Bill of Lading/Airbill No. 2536954794
 Method of Shipment EMERY
 Shipped to DATA CHEM
 Possible Sample Hazards/Remarks

Telephone (509) 376-5045
 Collection Date 4-8-93
 Field Logbook No. EFL1055
 Offsite Property No. W93-0-420-04

Sample Identification

BO8879
 1, 40ml, Gs, WATER; HYDRAZINE



[] Field Transfer of Custody		Chain of Possession		(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time
<i>GG Hamilton</i>	4/8/93	1535	<i>PC Cole</i>	4/9/93	0740

Final Sample Disposition

Disposal Method: _____ Disposed by: _____ Date/Time: _____

Comments:

Samples set in refrig | on 4/9/93 at 1535
Note: Bubbles in Hydrazine sample PC Cole 4/9/93

9613487.2393

Westinghouse
Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator KD LEE/GG HAMILTON
Company Contact PH BUTCHER
Project Designation/Sampling Locations 100-FR-3
Ice Chest No. PERRY
Bill of Lading/Airbill No. 2536A54794
Method of Shipment EMERY
Shipped to DATA CHEM
Possible Sample Hazards/Remarks

Telephone (509) 376-5045
Collection Date 4/8/93
Field Logbook No. EFL 1055
Offsite Property No. W93-0-420-04

Sample Identification

B08904

1, 40ml, Gs, WATER; HYDRAZINE



[] Field Transfer of Custody		Chain of Possession			(Sign and Print Names)	
Relinquished By	Date	Time	Received By	Date	Time	
<i>GG Hamilton</i>	4/8/93	1535	<i>Alolo PCLole</i>	4/9/93	0740	

Final Sample Disposition

Disposal Method: Disposed by: Date/Time:

Comments: Sample spc in refrig 4 on 4/9/93 at 1535

9613457.2397



ENVIRONMENTAL WATER REPORT

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Date APR 23 1993
Agency Identification Number S93-0209
Account No. 3534C

Westinghouse Hanford Company
2355 Stevens Drive
MSIN H4-23 345 Hill Street/300 Area
Richland, WA 99352
Attention: Briana Colley



Telephone (509) 373-3225

Sampling Collection and Shipment

Sampling Site _____ Date of Collection April 05, 1993

Date Samples Received at Laboratory April 10, 1993

NV 7-21-93 SC

Analytical Results

Parameter Name	Field Number	Lab Number									
Hydrazine	04/16/1993	ASTMD1385	μg/L	ND*	ND*	ND*	ND*	7.	ND*	ND*	ND*
				3U	3U	3U	3U		3U	3U	3U

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
1 Analyses completed on or before this date.
** Parameter not analyzed (See comment page).
() Parameter between LOD and LOQ.
[] Method Reference (See comments page.)

RECORD COPY

Analyst: Mark A. Nixon
Reviewer: Katherine Kellersberger
Laboratory Supervisor: Norman K. Christensen

96/3467.2398



ENVIRONMENTAL WATER REPORT

Form EPRW-A
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Part 2 of 2

Date APR 23 1993
Agency Identification Number S93-0209
Account No. 3534C

Westinghouse Hanford Company
2355 Stevens Drive
MSIN H4-23 345 Hill Street/300 Area
Richland, WA 99352
Attention: Briana Colley

Telephone (509) 373-3225

Sampling Collection and Shipment

Sampling Site Date of Collection April 05, 1993
Date Samples Received at Laboratory April 10, 1993

Analytical Results

Table with columns: Parameter Name, Analysis Date, Units, Method, Prep Method, Field Number, Lab Number, and Limit of Detection. Row 1: Hydrazine, 04/16/1993, ug/L, ASTMD1385, ND*, ND*, ND*.

† See comment on last page.
ND Parameter not detected.
NR Parameter not requested.
1 Analyses completed on or before this date.
** Parameter not analyzed (See comment page).
() Parameter between LOD and LOQ.
[] Method Reference (See comments page.)

NV 7-21-93 SC