



U.S. DEPARTMENT OF
ENERGY

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Prepared for the U.S. Department of Energy
under Contract DE-AC05-76RL01830

Analytical Data Report of Water Samples Collected For I-129 Analysis

Michael Lindberg

October 2009



Pacific Northwest
NATIONAL LABORATORY

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UNITED STATES DEPARTMENT OF ENERGY

under Contract DE-AC05-76RL01830

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(9/2003)

Analytical Data Report of Water Samples Collected For I-129 Analysis

M Lindberg

October 2009

Prepared for the U.S. Department of Energy
under Contract DE-AC05-76RL01830

Pacific Northwest National Laboratory
Richland, Washington 99352

10/19/09 11:20

To: Dale Dyekman

From: Michael J. Lindberg

A handwritten signature in black ink, appearing to read 'MJL', is positioned above the typed name and affiliation.

Environmental Sciences Laboratory
Energy and Environment Directorate, Pacific Northwest National Laboratory

Subject: Analytical Data Report for Ground Water Samples Collected for I-129 Groundwater, Sample Delivery Group ESL090004, SAF Number S09-004

This letter contains the following information for sample delivery group ESL090004

- Cover Sheet
- Narrative
- Analytical Results
- Chain of Custodies

Introduction

Between April 14, 2009 and August 25, 2009 groundwater samples were received for I-129 analysis.

Analytical Results/Methodology

The analyses for this project were performed at the 325 building located in the 300 Area of the Hanford Site. The analyses were performed according to Pacific Northwest National Laboratory (PNNL) approved procedures and/or nationally recognized test procedures. The data sets include the sample identification numbers, analytical results, estimated quantification limits (EQL), and quality control data.

Quality Control

The preparatory and analytical quality control requirements, calibration requirements, acceptance criteria, and failure actions are defined in the on-line QA plan “Conducting Analytical Work in Support of Regulatory Programs” (CAW). This QA plan implements the Hanford Analytical Services Quality Assurance Requirements Documents (HASQARD) for PNNL.

Definitions

Dup	Duplicate
RPD	Relative Percent Difference
NR	No Recovery (percent recovery less than zero)
ND	Non-Detectable
%REC	Percent Recovery

Sample Receipt

Samples were received with a chain of custody (COC) and were analyzed according to the sample identification numbers supplied by the client. All samples were refrigerated upon receipt until prepared for analysis.

All samples were received with custody seals intact unless noted in the Case Narrative.

Holding Times

Holding time is defined as the time from sampling to the time of analyses. The prescribed holding times were met for all analytes unless noted in the Case Narrative.

Analytical Results

All reported analytical results meet the requirements of the CAW or client specified SOW unless noted in the case narrative.

Case Narrative Report

Hold Time:

No discrepancies noted.

Preparation Blank (PB):

No preparation was performed therefore no blanks were analyzed.

Duplicate (DUP):

No preparation was performed therefore no duplicates were analyzed.

Laboratory Control Samples (LCS):

No preparation was performed therefore no LCSs were analyzed.

Post Spike (PS):

No preparation was performed therefore no PSs were analyzed.

Matrix Spike (MS):

Not applicable.

Other QC Criteria:

None noted.

DISCLAIMER

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SAMPLES INCLUDED IN THIS REPORT

I-129 Groundwaters

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B203D8	0905001-01	WATER	4/29/09 09:55	4/30/09 11:45
B203F3	0905001-02	WATER	4/29/09 08:47	4/30/09 11:45
B203F8	0905001-03	WATER	4/29/09 10:53	4/30/09 11:45
B203M8	0905001-04	WATER	4/26/09 09:18	4/23/09 08:50
B203P9	0905001-05	WATER	4/10/09 08:40	4/14/09 14:15
B203R4	0905001-06	WATER	4/20/09 12:04	4/23/09 08:50
B203V1	0905001-07	WATER	4/20/09 13:31	4/23/09 08:50
B203V5	0905001-08	WATER	4/20/09 12:31	4/23/09 08:50
B203H3	0905001-09	WATER	4/30/09 09:39	5/4/09 13:40
B202Y0	0905001-10	WATER	4/29/09 10:50	4/30/09 11:45
B20979	0905001-11	WATER	6/16/09 10:30	6/17/09 11:30
B20980	0905001-12	WATER	6/16/09 10:30	6/17/09 11:30
B20981	0905001-13	WATER	6/16/09 10:30	6/17/09 11:30
B20982	0905001-14	WATER	6/16/09 10:30	6/17/09 11:30
B20983	0905001-15	WATER	6/16/09 10:30	6/17/09 11:30
B20984	0905001-16	WATER	6/16/09 10:30	6/17/09 11:30
B20LP2	0905001-17	WATER	6/23/09 13:38	6/24/09 10:28
B20LR4	0905001-18	WATER	6/23/09 12:44	6/24/09 10:28
B20LT1	0905001-19	WATER	6/23/09 11:30	6/24/09 10:28
B20LT4	0905001-20	WATER	6/23/09 10:00	6/24/09 10:28
B20MX3	0905001-21	WATER	6/17/09 10:35	6/23/09 12:47
B20PJ5	0905001-22	WATER	6/24/09 10:45	6/25/09 12:00
B20PP7	0905001-23	WATER	7/8/09 09:38	7/14/09 13:00
B20P35	0905001-24	WATER	6/26/09 11:26	6/29/09 09:30
B20NX6	0905001-25	WATER	6/25/09 12:30	6/29/09 09:30
B20MY5	0905001-26	WATER	8/14/09 11:00	8/25/09 13:00

The following analyses were performed on the following samples included in this report:

Iodine 129 Water by ICPMS

SAMPLES ANALYZED IN THIS REPORT

HEIS No.	Laboratory ID	Matrix	Date Collected	Date Received
B203D8	0905001-01	WATER	4/29/09 09:55	4/30/09 11:45
B203F3	0905001-02	WATER	4/29/09 08:47	4/30/09 11:45
B203F8	0905001-03	WATER	4/29/09 10:53	4/30/09 11:45
B203M8	0905001-04	WATER	4/26/09 09:18	4/23/09 08:50
B203P9	0905001-05	WATER	4/10/09 08:40	4/14/09 14:15
B203R4	0905001-06	WATER	4/20/09 12:04	4/23/09 08:50
B203V1	0905001-07	WATER	4/20/09 13:31	4/23/09 08:50
B203V5	0905001-08	WATER	4/20/09 12:31	4/23/09 08:50
B203H3	0905001-09	WATER	4/30/09 09:39	5/4/09 13:40
B202Y0	0905001-10	WATER	4/29/09 10:50	4/30/09 11:45
B20979	0905001-11	WATER	6/16/09 10:30	6/17/09 11:30
B20980	0905001-12	WATER	6/16/09 10:30	6/17/09 11:30
B20981	0905001-13	WATER	6/16/09 10:30	6/17/09 11:30
B20982	0905001-14	WATER	6/16/09 10:30	6/17/09 11:30
B20983	0905001-15	WATER	6/16/09 10:30	6/17/09 11:30
B20984	0905001-16	WATER	6/16/09 10:30	6/17/09 11:30
B20LP2	0905001-17	WATER	6/23/09 13:38	6/24/09 10:28
B20LR4	0905001-18	WATER	6/23/09 12:44	6/24/09 10:28
B20LT1	0905001-19	WATER	6/23/09 11:30	6/24/09 10:28
B20LT4	0905001-20	WATER	6/23/09 10:00	6/24/09 10:28
B20MX3	0905001-21	WATER	6/17/09 10:35	6/23/09 12:47
B20PJ5	0905001-22	WATER	6/24/09 10:45	6/25/09 12:00
B20PP7	0905001-23	WATER	7/8/09 09:38	7/14/09 13:00
B20P35	0905001-24	WATER	6/26/09 11:26	6/29/09 09:30
B20NX6	0905001-25	WATER	6/25/09 12:30	6/29/09 09:30
B20MY5	0905001-26	WATER	8/14/09 11:00	8/25/09 13:00

Radionuclides By ICP-MS

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B203D8	Lab ID:	0905001-01				
15046-84-1	Iodine-129	1.26E-2	ug/L	1.00E-2	9/24/09	9I14001	PNNL-AGG-415
HEIS No.	B203F3	Lab ID:	0905001-02				
15046-84-1	Iodine-129	<5.05E-3	ug/L	5.05E-3	10/06/09	9I14001	PNNL-AGG-415
HEIS No.	B203F8	Lab ID:	0905001-03				
15046-84-1	Iodine-129	1.36E-2	ug/L	1.00E-2	9/24/09	9I14001	PNNL-AGG-415
HEIS No.	B203M8	Lab ID:	0905001-04				
15046-84-1	Iodine-129	1.30E-2	ug/L	1.00E-2	9/24/09	9I14001	PNNL-AGG-415
HEIS No.	B203P9	Lab ID:	0905001-05				
15046-84-1	Iodine-129	<5.05E-3	ug/L	5.05E-3	10/06/09	9I14001	PNNL-AGG-415
HEIS No.	B203R4	Lab ID:	0905001-06				
15046-84-1	Iodine-129	1.14E-2	ug/L	1.00E-2	9/24/09	9I14001	PNNL-AGG-415
HEIS No.	B203V1	Lab ID:	0905001-07				
15046-84-1	Iodine-129	9.16E-3	ug/L	5.05E-3	10/06/09	9I14001	PNNL-AGG-415
HEIS No.	B203V5	Lab ID:	0905001-08				
15046-84-1	Iodine-129	1.16E-2	ug/L	1.00E-2	9/24/09	9I14001	PNNL-AGG-415
HEIS No.	B203H3	Lab ID:	0905001-09				
15046-84-1	Iodine-129	<5.05E-3	ug/L	5.05E-3	10/06/09	9I14001	PNNL-AGG-415
HEIS No.	B202Y0	Lab ID:	0905001-10				
15046-84-1	Iodine-129	<5.05E-3	ug/L	5.05E-3	10/06/09	9I14001	PNNL-AGG-415
HEIS No.	B20979	Lab ID:	0905001-11				
15046-84-1	Iodine-129	3.30E-2	ug/L	5.05E-3	10/06/09	9I14001	PNNL-AGG-415
HEIS No.	B20980	Lab ID:	0905001-12				
15046-84-1	Iodine-129	4.31E-2	ug/L	1.00E-2	9/24/09	9I14001	PNNL-AGG-415
HEIS No.	B20981	Lab ID:	0905001-13				
15046-84-1	Iodine-129	3.66E-2	ug/L	1.00E-2	9/24/09	9I14001	PNNL-AGG-415
HEIS No.	B20982	Lab ID:	0905001-14				
15046-84-1	Iodine-129	<5.05E-3	ug/L	5.05E-3	10/06/09	9I14001	PNNL-AGG-415
HEIS No.	B20983	Lab ID:	0905001-15				
15046-84-1	Iodine-129	<5.05E-3	ug/L	5.05E-3	10/07/09	9I14001	PNNL-AGG-415
HEIS No.	B20984	Lab ID:	0905001-16				
15046-84-1	Iodine-129	<5.05E-3	ug/L	5.05E-3	10/07/09	9I14001	PNNL-AGG-415
HEIS No.	B20LP2	Lab ID:	0905001-17				
15046-84-1	Iodine-129	<5.05E-3	ug/L	5.05E-3	10/06/09	9I14001	PNNL-AGG-415
HEIS No.	B20LR4	Lab ID:	0905001-18				
15046-84-1	Iodine-129	7.53E-3	ug/L	5.05E-3	10/07/09	9I14001	PNNL-AGG-415
HEIS No.	B20LT1	Lab ID:	0905001-19				
15046-84-1	Iodine-129	<5.05E-3	ug/L	5.05E-3	10/07/09	9I14001	PNNL-AGG-415
HEIS No.	B20LT4	Lab ID:	0905001-20				
15046-84-1	Iodine-129	1.40E-2	ug/L	1.00E-2	9/24/09	9I14001	PNNL-AGG-415
HEIS No.	B20MX3	Lab ID:	0905001-21				
15046-84-1	Iodine-129	<5.05E-3	ug/L	5.05E-3	10/07/09	9I14002	PNNL-AGG-415
HEIS No.	B20PJ5	Lab ID:	0905001-22				
15046-84-1	Iodine-129	1.71E-2	ug/L	1.00E-2	9/24/09	9I14002	PNNL-AGG-415
HEIS No.	B20PP7	Lab ID:	0905001-23				
15046-84-1	Iodine-129	1.35E-2	ug/L	1.00E-2	9/24/09	9I14002	PNNL-AGG-415

Radionuclides By ICP-MS

CAS #	Analyte	Results	Units	EQL	Analyzed	Batch	Method
HEIS No.	B20P35	Lab ID:		0905001-24			
15046-84-1	Iodine-129	1.79E-2	ug/L	1.00E-2	9/24/09	9I14002	PNNL-AGG-415
HEIS No.	B20NX6	Lab ID:		0905001-25			
15046-84-1	Iodine-129	1.35E-2	ug/L	1.00E-2	9/24/09	9I14002	PNNL-AGG-415
HEIS No.	B20MY5	Lab ID:		0905001-26			
15046-84-1	Iodine-129	<5.05E-3	ug/L	5.05E-3	10/07/09	9I14002	PNNL-AGG-415

CHPRC		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C. # 109-033-97			
Collector S. Overdahl CHPRC		Contact/Requester Dana Widrig		Telephone No. 509-376-2858		MSIN FAX			
SAF No. 109-033		Sampling Origin Hanford Site		Purchase Order/Charge Code					
Project Title 2ZPL APRIL 2009		Method of Shipment Govt. Vehicle		Ice Chest No. 6W5-1111		Temp.			
Shipped To (Lab) Environmental Sciences Laboratory		Priority: 45 Days		Bill of Lading/Air Bill No.					
Protocol CERCLA				Offsite Property No.					
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)				SPECIAL INSTRUCTIONS 200 Area Generator Knowledge Information Form applies.					
				Hold Time Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative	
B202Y0		W	4-21-09	1050	1x125-mL G/P	I129_ICPMS: I-129LL (1)	6 Months	NaOH to pH > 9	
<div>4-29-09</div>									
Relinquished By S. Overdahl CHPRC		Print [Signature]		Sign [Signature]		Date/Time APR 29 2009		Matrix *	
Relinquished By SSU 1		Date/Time APR 30 2009		Received By KB Hulse CHPRC		Date/Time APR 30 2009		S = Soil DS = Drum Solid SE = Sediment DI = Drum Liquid SO = Solid T = Tissue SL = Sludge WL = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other	
Relinquished By KB Hulse CHPRC		Date/Time APR 30 2009		Received By Michael Lindberg		Date/Time 4/30/2009			
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	

CHPRC		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			C.O.C. # S09-004-276	
					Page <u>1</u> of <u>1</u>	
Collector AR McIntyre		Contact/Requester Dana Widrig		Telephone No. MSIN FAX 509-376-2858		
SAF No. S09-004		Sampling Origin Hanford Site		Purchase Order/Charge Code		
Project Title SURV. APRIL 2009		HNF-N-506-27/11		Ice Chest No. <u>6W5-1111</u> Temp.		
Shipped To (Lab) Environmental Sciences Laboratory		Method of Shipment Govt. Vehicle		Bill of Lading/Air Bill No.		
Protocol SURV		Priority: 45 Days		Offsite Property No.		
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)				SPECIAL INSTRUCTIONS Hold Time Site-Wide Generator Knowledge Information Form applies.		
Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B203D8		W	4-29-09	0955	1x125-mL G/P	I129_ICPMS: I-129LL (1)	6 Months	NaOH to pH > 9
<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border: 1px solid black; transform: rotate(45deg);"></div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%);"> <p>DRW</p> <p>4-29-09</p> </div> </div>								

Relinquished By AR McIntyre		Print Sign		Date/Time <u>1440</u> APR 29 2009		Received By SSU 1		Print Sign		Date/Time <u>1440</u> APR 29 2009		Matrix * S = Soil DS = Drum Solid SE = Sediment DI = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other			
Relinquished By SSU 1				Date/Time <u>0900</u> APR 30 2009		Received By KB Hulse		Print Sign		Date/Time <u>0900</u> APR 30 2009					
Relinquished By KB Hulse				Date/Time <u>1145</u> APR 30 2009		Received By Michael Lindberg		Print Sign		Date/Time <u>1145</u> 4/30/2009					
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	

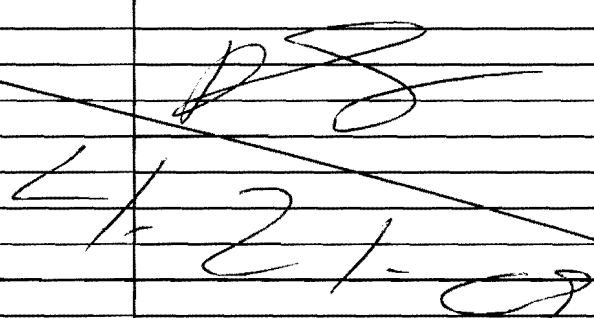
SOG ESL 090004

WO = 0905001

CHPRC		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # S09-004-284	
				Page <u>1</u> of <u>1</u>	
Collector AR McIntyre		Contact/Requester Dana Widrig		Telephone No. MSIN FAX 509-376-2858	
SAF No. S09-004		Sampling Origin Hanford Site		Purchase Order/Charge Code	
Project Title SURV APRIL 2009		HNF-N-506-24 / 1		Ice Chest No. GLS-1111 Temp.	
Shipped To (Lab) Environmental Sciences Laboratory		Method of Shipment Govt. Vehicle		Bill of Lading/Air Bill No.	
Protocol SURV		Priority: 45 Days		Offsite Property No.	
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)			SPECIAL INSTRUCTIONS Hold Time Site-Wide Generator Knowledge Information Form applies. Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Relinquished By AR McIntyre	Print <i>AR McIntyre</i>	Signature <i>AR McIntyre</i>	Date/Time APR 29 2009	Received By SSU 1	Print <i>SSU 1</i>	Signature <i>SSU 1</i>	Date/Time APR 29 2009	Matrix * S = Soil DS = Drum Solid SE = Sediment DI = Drum Liquid SO = Solid T = Tissue SL = Sludge WL = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By SSU 1	Print <i>SSU 1</i>	Signature <i>SSU 1</i>	Date/Time APR 30 2009	Received By KB Hulse	Print <i>KB Hulse</i>	Signature <i>KB Hulse</i>	Date/Time APR 30 2009	
Relinquished By KB Hulse	Print <i>KB Hulse</i>	Signature <i>KB Hulse</i>	Date/Time APR 30 2009	Received By Michael Lindberg	Print <i>Michael Lindberg</i>	Signature <i>Michael Lindberg</i>	Date/Time 4/30/2009	
Relinquished By CHPRC	Print <i>CHPRC</i>	Signature <i>CHPRC</i>	Date/Time APR 30 2009	Received By Michael Lindberg	Print <i>Michael Lindberg</i>	Signature <i>Michael Lindberg</i>	Date/Time 4/30/2009	
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

[illegible]Page 11 of 32

CHPRC		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C. # S09-004-72					
		Page 1 of 1									
Collector AR McIntyre		Contact/Requester Dana Widrig		Telephone No. 509-376-2858		MSIN FAX					
SAF No. S09-004		Sampling Origin Hanford Site		Purchase Order/Charge Code							
Project Title SURV APRIL 2009		HNF-N-506-2316		Ice Chest No. 6105-1111		Temp.					
Shipped To (Lab) Environmental Sciences Laboratory		Method of Shipment Govt. Vehicle		Bill of Lading/Air Bill No.							
Protocol SURV		Priority: 45 Days		Offsite Property No.							
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)				SPECIAL INSTRUCTIONS Hold Time Site-Wide Generator Knowledge Information Form applies. Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative			
B203M8		W	4-21-09	0918	1x125-mL G/P	H129_ICPMS: I-129LL (1)	6 Months	NaOH to pH > 9			
											
Relinquished By AR McIntyre		Print	Sign	Date/Time APR 21 2009 1340	Received By SSU 1		Print	Sign	Date/Time APR 21 2009 1346	Matrix *	
Relinquished By SSU #1				Date/Time 4/23/09 0800	Received By SCOTT HAMAKER / Scott Hamaker				Date/Time 4/23/09 0800	S = Soil DS = Drum Solid SE = Sediment DI = Drum Liquid SO = Solid T = Tissue SL = Sludge WL = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other	
Relinquished By SCOTT HAMAKER				Date/Time 4/23/09 0850	Received By Igor Kuznetsov / Igor Kuznetsov				Date/Time 4/23/09 0850		
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			

CHPRC		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # S09-004-104	
				Page <u>1</u> of <u>1</u>	
Collector JP Herrick CHPRC	Contact/Requester Dana Widrig	Telephone No. 509-376-2858	MSIN	FAX	
SAF No. S09-004	Sampling Origin Hanford Site	Purchase Order/Charge Code			
Project Title SURV APRIL 2009	HNF-N-508-20182		Ice Chest No. <u>GLS-1111</u> Temp.		
Shipped To (Lab) Environmental Sciences Laboratory	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.			
Protocol SURV	Priority: 45 Days		Offsite Property No.		
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Hold Time Site-Wide Generator Knowledge Information Form applies. Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			

Relinquished By JP Herrick CHPRC	Print <i>[Signature]</i>	Sign	Date/Time APR 10 2009 <i>SSU #1</i>	Received By	Print	Sign	Date/Time APR 10 2009 <i>14:00</i>	Matrix *	
Relinquished By <i>SSU #1</i>	Date/Time APR 10 2009 <i>0730</i>	Received By SE Hamaker CHPRC	<i>[Signature]</i>	Date/Time APR 10 2009 <i>0730</i>	Print	Sign	Date/Time APR 10 2009 <i>14:00</i>	S = Soil	DS = Drum Solid
Relinquished By SCOTT HAMAKER <i>[Signature]</i>	Date/Time 4/14/09 <i>14:15</i>	Received By <i>[Signature]</i>	<i>[Signature]</i>	Date/Time 4/14/09 <i>14:15</i>	Print	Sign	Date/Time 4/14/09 <i>14:15</i>	SE = Sediment	DL = Drum Liquid
Relinquished By	Date/Time	Received By	<i>[Signature]</i>	Date/Time	Print	Sign	Date/Time	SO = Solid	T = Tissue
			<i>[Signature]</i>					SL = Sludge	WL = Wine
			<i>[Signature]</i>					W = Water	L = Liquid
			<i>[Signature]</i>					O = Oil	V = Vegetation
			<i>[Signature]</i>					A = Air	X = Other
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		

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B203R4		W	4-26-09	1204	1x125-mL G/P	I129_ICPMS: I-129LL (1)	6 Months	NaOH to pH > 9
[Crossed-out section containing handwritten "DS" and "4-26-09"]								

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CHPRC

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

109-033-1 13

Page 1 of 1

Collector

RT Sickle

CHPRC

Contact/Requester

Dana Widrig

Telephone No.

509-376-2858

MSIN

FAX

SAF No.

109-033

Sampling Origin

Hanford Site

Purchase Order/Charge Code

Project Title

2ZPL APRIL 2009

HNF-N-506-21140

Ice Chest No.

GW-1

Temp.

Shipped To (Lab)

Environmental Sciences Laboratory

Method of Shipment

Govt. Vehicle

Bill of Lading/Air Bill No.

Protocol

CERCLA

Priority: 45 Days

Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS

200 Area Generator Knowledge Information Form applies.

Hold Time

Total Activity Exemption: Yes ☒ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative								
B20979		W	6.16.09	1030	1x125-mL G/P	I129_ICPMS: I-129LL (1)	6 Months	NaOH to pH > 9								
<div><div>423</div><div>69</div></div>																

Relinquished By

RT Sickle

CHPRC

Print

Signature

Date/Time

1400

JUN 16 2009

Received By

SSU-1

Print

Signature

Date/Time

1400

JUN 16 2009

Relinquished By

SE Hamaker

CHPRC

Print

Signature

Date/Time

6/17/09 1000

Received By

SCOTT HAMAKER / Scott Hamaker

Print

Signature

Date/Time

6/17/09 1000

Relinquished By

SE Hamaker

CHPRC

Print

Signature

Date/Time

6/17/09 1130

Received By

Mickel Varma / Mickel Varma

Print

Signature

Date/Time

6/17/09 11:30

Matrix *

S = Soil

SE = Sediment

SO = Solid

SL = Sludge

W = Water

O = Oil

A = Air

DS = Drum Solid

DL = Drum Liquid

T = Tissue

WI = Wine

L = Liquid

V = Vegetation

X = Other

FINAL SAMPLE DISPOSITION

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

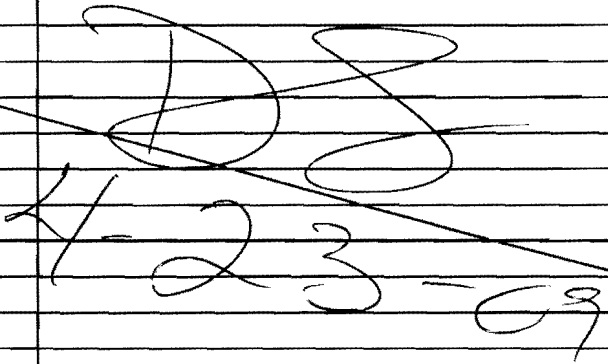
Disposed By

Date/Time

WO: 09050081

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CHPRC		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # I09-033-114	
				Page <u>1</u> of <u>1</u>	
Collector RT Sickie CHPRC	Contact/Requester Dana Widrig	Telephone No. 509-376-2858	MSIN	FAX	
SAF No. I09-033	Sampling Origin Hanford Site	Purchase Order/Charge Code			
Project Title 2ZPL APRIL 2009	HNF-N-506-21140		Ice Chest No. 6W1	Temp.	
Shipped To (Lab) Environmental Sciences Laboratory	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.			
Protocol CERCLA	Priority: 45 Days		Offsite Property No.		
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Hold Time 200 Area Generator Knowledge Information Form applies.			
		Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20980		W	6-16-09	10:10	1x125-mL G/P	I129_ICPMS: I-129LL (1)	6 Months	NaOH to pH > 9
								

Relinquished By RT Sickle CHPRC		Date/Time JUN 16 2009	Received By SSU-1		Date/Time JUN 16 2009	Matrix *	
Relinquished By SSU #1		Date/Time 6/17/09 1000	Received By Scott Hamaker / Scott Hamaker		Date/Time 6/17/09 1000	S = Soil DS = Drum Solid SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WL = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other	
Relinquished By SE Hamaker CHPRC		Date/Time 6/17/09 1130	Received By Michelle Valenta / Michelle Valo		Date/Time 6/17/09 1130		
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	

CHPRC		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C. # 109-033-115			
Collector RT Sickie CHPRC		Contact/Requester Dana Widrig		Telephone No. MSIN FAX 509-376-2858					
SAF No. 109-033		Sampling Origin Hanford Site		Purchase Order/Charge Code					
Project Title 22PL APRIL 2009		HNF-N-506- 21140		Ice Chest No. 64-1 Temp.					
Shipped To (Lab) Environmental Sciences Laboratory		Method of Shipment Govt. Vehicle		Bill of Lading/Air Bill No.					
Protocol CERCLA		Priority: 45 Days		Offsite Property No.					
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)				SPECIAL INSTRUCTIONS Hold Time 200 Area Generator Knowledge Information Form applies.					
Sample No.		Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20981			W	6-16-09	1030	1x125-mL G/P	I129_ICPMS: I-129LL (1)	6 Months	NaOH to pH > 9
Relinquished By RT Sickie CHPRC		Print Sign		Date/Time JUN 16 2009 1400	Received By SSU-1		Print Sign		Date/Time JUN 16 2009 1400
Relinquished By SSU #1		Date/Time 6/17/09 1000		Received By Scott Hamaker/Datt Hamaker		Date/Time 6/17/09 1000		Matrix *	
Relinquished By SE Hamaker CHPRC		Date/Time 6/17/09 1130		Received By Muriel Varko/Muriel Varko		Date/Time 6/17/09 11:30		S = Soil DS = Drum Solid SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WL = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other	
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	

CHPRC		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C. # I09-033-116			
						Page 1 of 1			
Collector RT Sickie CHPRC		Contact/Requester Dana Widrie		Telephone No. 509-376-2858		MSIN FAX			
SAF No. I09-033		Sampling Origin Hanford Site		Purchase Order/Charge Code					
Project Title 2ZPL APRIL 2009		HNF-N-506-21140		Ice Chest No. 64-1		Temp.			
Shipped To (Lab) Environmental Sciences Laboratory		Method of Shipment Govt. Vehicle		Bill of Lading/Air Bill No.					
Protocol CERCLA		Priority: 45 Days		Offsite Property No.					
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)				SPECIAL INSTRUCTIONS Hold Time 200 Area Generator Knowledge Information Form applies.					
				Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative	
B20982		W	6-16-09	1030	1x125-mL G/P	I129_ICPMS: I-129LL (1)	6 Months	NaOH to pH > 9	
<div>28</div> <div>4-23-09</div>									
Relinquished By RT Sickie CHPRC		Print 		Sign 		Date/Time JUN 16 2009 1400		Received By SSU-1	
Relinquished By SSU #1		Date/Time 6/17/09 1000		Received By SCOTT HAMAKER/Scott Hamaker		Date/Time 6/17/09 1000		Matrix *	
Relinquished By SE Hamaker CHPRC		Date/Time 6/17/09 1130		Received By Michelle Vainio/Michelle Vainio		Date/Time 6/17/09 1130		S = Soil DS = Drum Solid SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WL = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other	
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	

CHPRC

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #

109-033-118

Page 1 of 1

Collector

RT Sickie

CHPRC

Contact/Requester

Dana Widrig

Telephone No.

509-376-2858

MSIN

FAX

SAF No.

109-033

Sampling Origin

Hanford Site

Purchase Order/Charge Code

Project Title

2ZPL APRIL 2009

HNF-N-506- 21140

Ice Chest No.

GW-1

Temp.

Shipped To (Lab)

Environmental Sciences Laboratory

Method of Shipment

Govt. Vehicle

Bill of Lading/Air Bill No.

Protocol

CERCLA

Priority: 45 Days

Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS

Hold Time

200 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes

No

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B20984		W	6/16/09	1030	1x125-mL G/P	I129_ICPMS: I-129LL (1)	6 Months	NaOH to pH > 9
<div>28</div> <div>4-23-09</div>								

Relinquished By

RT Sickie

CHPRC

SSU #1

6/17/09 1000

Received By

SSU-1

6/17/09 1000

SCOTT HAMAKER/ Scott Hamaker

Relinquished By

SE Hamaker

CHPRC

Scott Hamaker

6/17/09 1130

Received By

Michelle Valenta/ Michelle Valbo

6/17/09 1130

Relinquished By

Received By

Matrix *

S = Soil

SE = Sediment

SO = Solid

SL = Sludge

W = Water

O = Oil

A = Air

DS = Drum Solid

DL = Drum Liquid

T = Tissue

WI = Wine

L = Liquid

V = Vegetation

X = Other

FINAL SAMPLE DISPOSITION

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

Disposed By

Date/Time

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Page 1 of 1

Collector KE Hamilton CHPRC	Contact/Requester Dana Widrig	Telephone No. 509-376-2858	MSIN	FAX
SAF No. A09-006	Sampling Origin Hanford Site	Purchase Order/Charge Code		
Project Title LLWMA(1)-PA, JUNE 2009	HNF-N-506-22151	Ice Chest No.	Temp.	
Shipped To (Lab) Environmental Sciences Laboratory	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.		
Protocol Other	Priority: 45 Days	Offsite Property No.		

SPECIAL INSTRUCTIONS

Hold Time

Total Activity Exemption: Yes ☒ No ☐

200 Area Generator Knowledge Information Form applies.

ESL - Hold all samples until all 10 are received and run the complete set at ONE time.

[illegible]

Relinquished By KE Hamilton CHPRC	Print <i>KE Hamilton</i>	Sign <i>[Signature]</i>	Date/Time JUN 23 2009 1445	Received By SSU #1	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time JUN 23 2009 1445	Matrix *	
Relinquished By SSU #1	<i>[Signature]</i>		Date/Time 6/24/09	Received By ARMINTYPE RALPH	<i>[Signature]</i>		Date/Time 6/24/09 0700	S = Soil	DS = Drum Solid
Relinquished By ARMINTYPE RALPH	<i>[Signature]</i>		Date/Time 6 24 09	Received By RALPH SERNE	<i>[Signature]</i>		Date/Time 6/24/09 10:28	SE = Sediment	DL = Drum Liquid
Relinquished By			Date/Time	Received By			Date/Time	SO = Solid	T = Tissue
			Date/Time				Date/Time	SL = Shredd	WL = Wine
			Date/Time				Date/Time	W = Water	L = Liquid
			Date/Time				Date/Time	O = Oil	V = Vegetation
			Date/Time				Date/Time	A = Air	X = Other
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)						Disposed By		Date/Time

Collector RA Shepard CHPRC	Contact/Requester Dana Widrig	Telephone No. 509-376-2858	MSIN	FAX
SAF No. A09-006	Sampling Origin Hanford Site	Purchase Order/Charge Code		
Project Title LLWMA(1)-PA, JUNE 2009	HNF-N-506-21 / 43	Ice Chest No. SML-313	Temp.	
Shipped To (Lab) Environmental Sciences Laboratory	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.		
Protocol Other	Priority: 45 Days	Offsite Property No.		

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** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS

ESL - Hold all samples until all 10 are received and run the complete set at ONE time.

Hold Time

Total Activity Exemption: Yes ☒ No ☐

[illegible]

Relinquished By A Shepard CHPRC	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time JUN 23 2009	Received By SSU #1	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time JUN 23 2009	Matrix * S = Soil DS = Drum Solid SF = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WL = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other	
Relinquished By SSU #1	Date/Time 6/24/09 0700	Received By <i>[Signature]</i>	Date/Time 6/24/09 0700						
Relinquished By <i>[Signature]</i>	Date/Time 6/24/09 10:28	Received By <i>[Signature]</i>	Date/Time 6/24/09 10:28						
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		

Collector RA Shepard CHPRC	Contact/Requester Dana Widrig	Telephone No. 509-376-2858	MSIN	FAX
IAF No. A09-006	Sampling Origin Hanford Site	Purchase Order/Charge Code		
Project Title LLWMA(D)-PA, JUNE 2009	INF-N-506 21 / 43	Ice Chest No. SML-313	Temp.	
Shipped To (Lab) Environmental Sciences Laboratory	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.		
Protocol Other	Priority: 45 Days	Offsite Property No.		

POSSIBLE SAMPLE HAZARDS/REMARKS	
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** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS

Hold Time

Total Activity Exemption: Yes ☒ No ☐

200 Area Generator Knowledge Information Form applies.

ESL - Hold all samples until all 10 are received and run the complete set at ONE time.

[illegible]

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time	Matrix *
RA Shepard			JUN 23 2009	SSU #1			JUN 23 2009	S = Soil DS = Drum Solid SF = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Shidee WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
SSU #1			6/24/09 0700	ARMINTATYR			6/24/09 0700	
ARMINTATYR			6/24/09 10:28	R. J. Serne			6/24/09	
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)						Disposed By	Date/Time

CHPRC		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # S09-006-78	
				Page <u>1</u> of <u>1</u>	
Collector KE Hamilton CHPRC		Contact/Requester Dana Widrig	Telephone No. MSIN FAX 509-376-2858		
SAF No. S09-006		Sampling Origin Hanford Site	Purchase Order/Charge Code		
Project Title SURV. JUNE 2009		HNF-N-506-21144	Ice Chest No.		Temp.
Shipped To (Lab) Environmental Sciences Laboratory		Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.		
Protocol SURV		Priority: 45 Days	Offsite Property No.		

[illegible]

Relinquished By KE Hamilton CHPRC	Print <i>KE Hamilton</i>	Sign <i>KE Hamilton</i>	Date/Time JUN 25 2009 1445	Received By SSU #1	Print <i>SSU #1</i>	Sign <i>SSU #1</i>	Date/Time JUN 25 2009 1445	Matrix * S = Soil SE = Sediment SO = Solid SL = Sludge W = Water O = Oil A = Air DS = Drum Solid DL = Drum Liquid T = Tissue WI = Wine L = Liquid V = Vegetation X = Other
Relinquished By SSU #1	Date/Time 0830	JUN 29 2009	Received By RD Julian CHPRC	Print <i>RD Julian</i>	Sign <i>RD Julian</i>	Date/Time 0830	JUN 29 2009	
Relinquished By RD Julian CHPRC	Date/Time 0930	JUN 29 2009	Received By M. Vazquez / M. Vazquez	Date/Time 0930	JUN 29 2009			
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

CHPRC		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		C.O.C. # S09-006-176	
				Page 1 of 1	
Collector PB Cano CHPRC	Contact/Requester Dana Widrig	Telephone No. 509-376-2858	MSIN	FAX	
SAF No. S09-006	Sampling Origin Hanford Site	Purchase Order/Charge Code			
Project Title SURV. JUNE 2009	HNF-N-506-21146	Ice Chest No.	Temp.		
Shipped To (Lab) Environmental Sciences Laboratory	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.			
Protocol SURV	Priority: 45 Days	Offsite Property No.			
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)		SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Site-Wide Generator Knowledge Information Form applies. ESL - Hold all samples until all 10 are received and run the complete set at ONE time.			

[illegible]

Relinquished By FB Canc CHPRC	Print <i>[Signature]</i>	Sign JUN 26 2009	Date/Time	Received By <i>[Signature]</i> SSU #1	Print	Sign	Date/Time JUN 26 2009	Matrix * S = Soil DS = Drum Solid SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge W1 = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By <i>[Signature]</i> SSU #1	Date/Time 0830 JUN 29 2009	Received By RD Julian CHPRC	Date/Time <i>[Signature]</i> 0830 JUN 29 2009					
Relinquished By RD Julian CHPRC	Date/Time <i>[Signature]</i> 0930 JUN 29 2009	Received By <i>[Signature]</i> M. Varenta / Michelle Vales	Date/Time 0930 JUN 29 2009					
Relinquished By <i>[Signature]</i>	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		

CHPRC		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				C.O.C. # S09-006-422				
						Page 1 of 1				
Collector D. J. Sparks		Contact/Requester Dana Widrig		Telephone No. 509-376-2858		MSIN FAX				
SAF No. S09-006		Sampling Origin Hanford Site		Purchase Order/Charge Code						
Project Title SURV. JUNE 2009		HNF-N-506-24 / 37		Ice Chest No.		Temp.				
Shipped To (Lab) Environmental Sciences Laboratory		Method of Shipment Govt. Vehicle		Bill of Lading/Air Bill No.						
Protocol SURV		Priority: 45 Days		Offsite Property No.						
POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)				SPECIAL INSTRUCTIONS Hold Time Site-Wide Generator Knowledge Information Form applies. ESL - Hold all samples until all 10 are received and run the complete set at ONE time.						
Sample No.		Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative	
B20PP7			W	7-8-09	0938	1x125-mL G/P	I129_ICPMS: I-129LL (1)	6 Months	NaOH to pH > 9	
<i>Delivered 7-8-09</i>										
Relinquished By D. J. Sparks		Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time JUL 08 2009	Received By SSU #1		Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time JUL 08 2009	Matrix * S = Soil DS = Drum Solid SE = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WL = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By SSU #1		Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time JUL 14 2009	Received By R.D. Julian		Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time JUL 14 2009	
Relinquished By R.D. Julian		Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time JUL 14 2009	Received By Chris Jones		Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time JUL 14 2009	
Relinquished By		Print	Sign	Date/Time	Received By		Print	Sign	Date/Time	
FINAL SAMPLE DISPOSITION		Disposal Method (e.g., Return to customer, per lab procedure, used in process)						Disposed By		Date/Time