

# Pacific Northwest National Laboratory

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U.S. Department of Energy

January 10, 2008

To: Steve Trent

From: Michael Lindberg   
Environmental Sciences Laboratory

Subject: Tc-99 and Nitrate Screening of Groundwater Samples Collected From T-4 Well and the T-5 Well, Sample Delivery Group PNL0060, SAF Number F07-006.

This letter contains the following information for sample delivery group PNL0060

- Cover Sheet
- Narrative
- Analytical Results



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00000001

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**PNNL SAF Number Cross Reference**

SAF # F07-006  
Data Deliverable Date 1/10/2008  
Data Deliverable Hard Copy Report

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SAMPLE ID	Matrix	Well ID
B1L4W8	WATER	C5243
B1L4W9	WATER	C5243
B1L4X0	WATER	C5243
B1L4X1	WATER	C5243
B1L4X2	WATER	C5243
B1L4X3	WATER	C5243
B1L4X4	WATER	C5243
B1L4X5	WATER	C5243
B1L4X6	WATER	C5243
B1L4X7	WATER	C5243
B1L4X8	WATER	C5243
B1L4X9	WATER	C5243
B1L4Y0	WATER	C5243
B1L4Y1	WATER	C5243
B1L4Y2	WATER	C5243
B1L4Y3	WATER	C5243
B1L4Y4	WATER	C5243
B1L4Y5	WATER	C5243

**PNNL SAF Number Cross Reference for Sample  
Received**

SAF # F07-006  
Data Deliverable Date 1/10/2008  
Data Deliverable Hard Copy Report

<u>SAMPLE ID</u>	<u>Matrix</u>	<u>Well ID</u>
B1L925	WATER	C5855
B1L926	WATER	C5855
B1L927	WATER	C5855
B1L928	WATER	C5855
B1L929	WATER	C5855
B1L930	WATER	C5855
B1L931	WATER	C5855
B1L932	WATER	C5855
B1L933	WATER	C5855
B1L934	WATER	C5855
B1L935	WATER	C5855
B1L936	WATER	C5855
B1L937	WATER	C5855
B1L938	WATER	C5855
B1L939	WATER	C5855
B1L940	WATER	C5855
B1L941	WATER	C5855
B1L942	WATER	C5855
B1L943	WATER	C5855
B1PK06	WATER	C5855
B1PK07	WATER	C5855

**PNNL SAF Number Cross Reference for Sample Analyzed**

SAF # F07-006  
Data Deliverable Date 1/10/2008  
Data Deliverable Hard Copy Report

SAMPLE ID	Matrix	Well ID
B1L925	WATER	C5855
B1L926	WATER	C5855
B1L927	WATER	C5855
B1L928	WATER	C5855
B1L929	WATER	C5855
B1L930	WATER	C5855
B1L931	WATER	C5855
B1L932	WATER	C5855
B1L933	WATER	C5855
B1L934	WATER	C5855
B1L935	WATER	C5855
B1L936	WATER	C5855
B1L937	WATER	C5855
B1L938	WATER	C5855
B1L939	WATER	C5855
B1L940	WATER	C5855
B1L941	WATER	C5855
B1L942	WATER	C5855
B1L943	WATER	C5855

### **Introduction**

Between April 9, 2007 and August 29, 2007 water samples were received from wells C5243 and C5855 for quick turn-around screening for Tc-99 and nitrate.

### **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" (CAWSRP). This QA plan implements the Hanford Analytical Services Quality Assurance Requirements Documents (HASQARD) for PNNL.

### **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 analyses.

All samples were received with custody seals intact.

### **Holding Times**

Holding time is defined as the time from sample receipt to analysis. The prescribed holding times were met for all analytes.

### **Analytical Results**

All reported analytical results met the requirements of the CAWSRP

This data package has been reviewed technically for completeness and compliance to the CAWSRP.

**DISCLAIMER**

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	Tc 99	U 238
Sample ID	µg/L	µg/L
<b>GROUNDWATER T-4</b>		
B1L4W8	<5.00E-03	1.52E+00
B1L4W9	<5.00E-03	1.34E+00
B1L4X0	<5.00E-03	9.25E-01
B1L4X1	5.00E-03	3.99E-01
B1L4X2	1.42E-02	1.37E+00
B1L4X3	<2.00E-02	1.20E+00
B1L4X4	<2.00E-02	1.18E+00
B1L4X5	<2.00E-02	3.71E-01
B1L4X6	1.44E-02	1.12E+00
B1L4X7	<1.00E-02	5.97E-01
B1L4X8	1.26E-02	2.37E+00
B1L4X9	<1.00E-02	6.97E-01
B1L4Y0	<1.00E-02	7.04E-01
B1L4Y1	1.06E-02	1.26E+00
B1L4Y2	<1.00E-02	6.68E-01
B1L4Y3	<1.00E-02	1.19E+00
B1L4Y4	<2.00E-03	2.47E-01
B1L4Y5	<2.00E-03	1.04E+00

	Tc 99	U 238
Sample ID	ug/l	ug/l
<b>GROUNDWATER T-5</b>		
B1L925	1.70E-02	5.97E+00
B1L926	2.18E-02	7.20E+00
B1L927	1.96E-02	6.78E+00
B1L928	2.20E-02	4.34E+00
B1L929	2.68E-02	1.42E+00
B1L930	(6.80E-03)	9.83E-01
B1L931	(9.20E-03)	9.85E-01
B1L932	(5.00E-03)	2.03E-01
B1L933	(4.80E-03)	8.52E-01
B1L934	(4.20E-03)	8.85E-01
B1L935	(5.60E-03)	9.62E-01
B1L936	(4.60E-03)	1.04E+00
B1L937	(4.20E-03)	1.13E+00
B1L938	(3.60E-03)	7.65E-01
B1L939	(3.40E-03)	7.88E-01
B1L940	(2.00E-03)	6.59E-01
B1L941	(1.20E-03)	7.31E-01
B1L942	<1.01E-03	7.299E-01

Sample Name	Amount
	ug/mL
	Nitrate
B1L4W8	8.06E+02
B1L4W9	1.88E+02
B1L4X0	2.43E+02
B1L4X1	2.97E+02
B1L4X2	3.36E+02
B1L4X3	3.29E+02
B1L4X4	3.27E+02
B1L4X5	1.58E+02
B1L4X6	3.62E+02
B1L4X7	2.79E+02
B1L4X8	3.78E+02
B1L4X9	2.96E+02
B1L4Y0	2.92E+02
B1L4Y1	3.65E+02
B1L4Y2	3.41E+02
B1L4Y3	1.32E+02
B1L4Y4	1.74E+02
B1L4Y5	8.90E+01

Sample Name	Amount
	ug/mL
	Nitrate
B1L925	1.06E+03
B1L926	1.30E+03
B1L927	1.17E+03
B1L928	1.17E+03
B1L929	1.56E+03
B1L930	2.28E+02
B1L931	2.64E+02
B1L932	1.23E+02
B1L933	1.92E+02
B1L934	2.07E+02
B1L935	1.67E+02
B1L936	3.07E+02
B1L937	2.49E+02
B1L938	2.09E+02
B1L939	1.91E+02
B1L940	9.13E+01
B1L941	5.70E+01
B1L942	6.76E+01

Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F07-006-086	PAGE 1 OF 1			
<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE		<b>COMPANY CONTACT</b> ROHAY, VJ		<b>TELEPHONE NO.</b> 373-3807		<b>PROJECT COORDINATOR</b> TRENT, SJ		<b>PRICE CODE</b> 1A	<b>DATA TURNAROUND</b>	
<b>SAMPLING LOCATION</b> C5244 - 1-39 <b>241' (PUMP ENAKE)</b>		<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater				<b>SAF NO.</b> F07-006		<b>AIR QUALITY</b> <input type="checkbox"/>	<b>24 Hours / 15 Days</b>	
<b>ICE CHEST NO.</b>		<b>FIELD LOGBOOK NO.</b> HNF-N-502 1		<b>COA</b> 122597ES10		<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE				
<b>SHIPPED TO</b> PNNL Building 325		<b>OFFSITE PROPERTY NO.</b> N/A				<b>BILL OF LADING/AIR BILL NO.</b> N/A				
<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)		<b>PRESERVATION</b>		Cool 4C	None				
			<b>TYPE OF CONTAINER</b>		P	aGs*				
			<b>NO. OF CONTAINER(S)</b>		1	1				
			<b>VOLUME</b>		1000mL	40mL				
			<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>		KD - Batch;	Generic Testing (No CAS)		
<b>SAMPLE NO.</b>	<b>MATRIX*</b>	<b>SAMPLE DATE</b>	<b>SAMPLE TIME</b>							
B1L925	WATER	7-6-07	0950	X	X					
<b>CHAIN OF POSSESSION</b>					<b>SIGN/ PRINT NAMES</b>					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME	<b>SPECIAL INSTRUCTIONS</b> ** Analytical batch QC must be run on samples associated with this SAF.				
J. POPE / 7/6/07		1530	MO-725 REF.#1		7-6-07 1530					
NO 725 Ref #1		7-13-07	D. PARCHON		7-13-07					
D. PARCHON		7-17-07	M. Valente / M. Valero		7/13/07 1430					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>				<b>TITLE</b>				<b>DATE/TIME</b>	
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>				<b>DISPOSED BY</b>				<b>DATE/TIME</b>	

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Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F07-006-087	PAGE 1 OF 1			
<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE		<b>COMPANY CONTACT</b> ROHAY, VJ		<b>TELEPHONE NO.</b> 373-3807		<b>PROJECT COORDINATOR</b> TRENT, SJ		<b>PRICE CODE</b> 1A	<b>DATA TURNAROUND</b> 24 Hours / 15 Days	
<b>SAMPLING LOCATION</b> C5244 - 1-40 246.5		<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater				<b>SAF NO.</b> F07-006		<b>AIR QUALITY</b> <input type="checkbox"/>		
<b>ICE CHEST NO.</b>		<b>FIELD LOGBOOK NO.</b> HNF-N-502 1		<b>COA</b> 122597ES10		<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE				
<b>SHIPPED TO</b> PNNL Building 325		<b>OFFSITE PROPERTY NO.</b> N/A				<b>BILL OF LADING/AIR BILL NO.</b> N/A				
<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)		<b>PRESERVATION</b>		Cool 4C	None				
			<b>TYPE OF CONTAINER</b>		P	aGs*				
			<b>NO. OF CONTAINER(S)</b>		1	1				
			<b>VOLUME</b>		1000mL	40mL				
			<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>		KD - Batch;	Generic Testing (No CAS)		
<b>SAMPLE NO.</b>	<b>MATRIX*</b>	<b>SAMPLE DATE</b>	<b>SAMPLE TIME</b>							
B1L926	WATER	7-10-07	1634	X	X					
<b>CHAIN OF POSSESSION</b>					<b>SIGN/ PRINT NAMES</b>		<b>SPECIAL INSTRUCTIONS</b>			
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME		** Analytical batch QC must be run on samples associated with this SAF.			
J. POPE / [Signature]		7-10-07 1500	[Signature] E. JONN		071007 15:00					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>				<b>TITLE</b>			<b>DATE/TIME</b>		
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>				<b>DISPOSED BY</b>			<b>DATE/TIME</b>		

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F07-006-088

PAGE 1 OF 1

<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE	<b>COMPANY CONTACT</b> ROHAY, VJ	<b>TELEPHONE NO.</b> 373-3807	<b>PROJECT COORDINATOR</b> TRENT, SJ	<b>PRICE CODE</b> 1A	<b>DATA TURNAROUND</b> 24 Hours / 15 Days
<b>SAMPLING LOCATION</b> C5244 - 1-41 260'	<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater		<b>SAF NO.</b> F07-006	<b>AIR QUALITY</b> <input type="checkbox"/>	
<b>ICE CHEST NO.</b>	<b>FIELD LOGBOOK NO.</b> HNF-N-502 1	<b>COA</b> 122597ES10	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE		
<b>SHIPPED TO</b> PNNL Building 325	<b>OFFSITE PROPERTY NO.</b> N/A		<b>BILL OF LADING/AIR BILL NO.</b> N/A		

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>	Cool 4C	None							
		<b>TYPE OF CONTAINER</b>	P	aGs*							
		<b>NO. OF CONTAINER(S)</b>	1	1							
		<b>VOLUME</b>	1000mL	40mL							
		<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b>	KD - Batch;	Generic Testing (No CAS)						

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1L927	WATER	7-11-07	11:20	✓	✓					

<b>CHAIN OF POSSESSION</b>				<b>SIGN/ PRINT NAMES</b>				<b>SPECIAL INSTRUCTIONS</b>			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME					** Analytical batch QC must be run on samples associated with this SAF.			
<i>HUGHES/PFISTER</i>	7-11-07 1640	<i>MOZAS Ref A1</i>	7-11-07/1640								
<i>MOZAS #1</i>	7-13-07 1400	<i>WML/wise</i>	7-13-07 1400								
<i>WML/wise</i>	7-13-07 1430	<i>M. Valente</i>	7/13/07 1430								
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME								

<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>	<b>DATE/TIME</b>
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>	<b>DISPOSED BY</b>	<b>DATE/TIME</b>

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Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F07-006-089	PAGE 1	OF 1		
COLLECTOR POPE/PFISTER/HUGHES/WISE		COMPANY CONTACT ROHAY, VJ		TELEPHONE NO. 373-3807	PROJECT COORDINATOR TRENT, SJ		PRICE CODE 1A	DATA TURNAROUND		
SAMPLING LOCATION C5244 - 1-42 <b>272.3'</b>		PROJECT DESIGNATION T4/T5 Well Installation Characterization - Groundwater			SAF NO. F07-006		AIR QUALITY <input type="checkbox"/>	24 Hours / 15 Days		
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-N-502 1	COA 122597ES10		METHOD OF SHIPMENT GOVERNMENT VEHICLE					
SHIPPED TO PNNL Building 325		OFFSITE PROPERTY NO. N/A			BILL OF LADING/AIR BILL NO. N/A					
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)		PRESERVATION		Cool 4C	None				
			TYPE OF CONTAINER		P	aGs*				
			NO. OF CONTAINER(S)		1	1				
			VOLUME		1000mL	40mL				
	SPECIAL HANDLING AND/OR STORAGE		SAMPLE ANALYSIS		KD - Batch;	Generic Testing {No CAS}				
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1L928	WATER	7.12.07	1655	X	X					
CHAIN OF POSSESSION		SIGN/ PRINT NAMES				SPECIAL INSTRUCTIONS				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	** Analytical batch QC must be run on samples associated with this SAF.						
J.S. POPE / 7.12.07	1615	MO-745 REF H1	7.12.07 1615							
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME							
MO-745 REF H1	7.13.07 1430	D. Parcha	7.17.07							
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME							
D. Parcha	7.13.07 1430	M. Valenta / M. Valto	7.13.07 1430							
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME							
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME							
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME							
LABORATORY SECTION	RECEIVED BY	TITLE				DATE/TIME				
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY				DATE/TIME				

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Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F07-006-090	PAGE 1 OF 1							
<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE		<b>COMPANY CONTACT</b> ROHAY, VJ		<b>TELEPHONE NO.</b> 373-3807		<b>PROJECT COORDINATOR</b> TRENT, SJ		<b>PRICE CODE</b> 1A	<b>DATA TURNAROUND</b>					
<b>SAMPLING LOCATION</b> C5244 - 1-43 280'		<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater				<b>SAF NO.</b> F07-006		<b>AIR QUALITY</b> <input type="checkbox"/>	<b>24 Hours / 15 Days</b>					
<b>ICE CHEST NO.</b>		<b>FIELD LOGBOOK NO.</b> HNF-N-502 1		<b>COA</b> 122597ES10		<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE								
<b>SHIPPED TO</b> PNNL Building 325		<b>OFFSITE PROPERTY NO.</b> N/A				<b>BILL OF LADING/AIR BILL NO.</b> N/A								
<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)		<b>PRESERVATION</b>		Cool 4C	None								
			<b>TYPE OF CONTAINER</b>		P	aGs*								
			<b>NO. OF CONTAINER(S)</b>		1	1								
			<b>VOLUME</b>		1000mL	40mL								
			<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>		KD - Batch;	Generic Testing (No CAS)						
<b>SAMPLE NO.</b>	<b>MATRIX*</b>	<b>SAMPLE DATE</b>	<b>SAMPLE TIME</b>											
B1L929	WATER	7/18/07	1103	✓	✓									
<b>CHAIN OF POSSESSION</b>					<b>SIGN/ PRINT NAMES</b>					<b>SPECIAL INSTRUCTIONS</b>				
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME		** Analytical batch QC must be run on samples associated with this SAF.						
R. Peister / [Signature]		7/16/07 1600		MO-745 RSE [Signature]		7/16/07 1600								
MO-745 RSE [Signature]		7/19/07 1510		M. Valente / M. Valero [Signature]		7/19/07 1510								
S. [Signature]		7/19/07 1510		M. Valente / M. Valero [Signature]		7/19/07 1510								
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME								
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME								
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME								
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME								
<b>LABORATORY SECTION</b>		<b>RECEIVED BY</b>				<b>TITLE</b>				<b>DATE/TIME</b>				
<b>FINAL SAMPLE DISPOSITION</b>		<b>DISPOSAL METHOD</b>				<b>DISPOSED BY</b>				<b>DATE/TIME</b>				

00000015

Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F07-006-091	PAGE 1 OF 1			
<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE		<b>COMPANY CONTACT</b> ROHAY, VJ		<b>TELEPHONE NO.</b> 373-3807		<b>PROJECT COORDINATOR</b> TRENT, SJ		<b>PRICE CODE</b> 1A	<b>DATA TURNAROUND</b> 24 Hours / 15 Days	
<b>SAMPLING LOCATION</b> C5244 - 1-44 / 3 I-44D <i>207 298</i>		<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater				<b>SAF NO.</b> F07-006		<b>AIR QUALITY</b> <input type="checkbox"/>		
<b>ICE CHEST NO.</b>		<b>FIELD LOGBOOK NO.</b> HNF-N-502 1		<b>COA</b> 122597ES10		<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE				
<b>SHIPPED TO</b> PNNL Building 325		<b>OFFSITE PROPERTY NO.</b> N/A				<b>BILL OF LADING/AIR BILL NO.</b> N/A				
<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>		Cool 4C	None					
		<b>TYPE OF CONTAINER</b>		P	aGs*					
		<b>NO. OF CONTAINER(S)</b>		1	1					
		<b>VOLUME</b>		1000mL	40mL					
		<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>		KD - Batch;	Generic Testing (No CAS)			
<b>SAMPLE NO.</b>	<b>MATRIX*</b>	<b>SAMPLE DATE</b>	<b>SAMPLE TIME</b>							
B1L930	WATER	7/17/07	1025	✓	✓					
B1L931	WATER	7/17/07	1025	✓	✓					
<b>CHAIN OF POSSESSION</b>				<b>SIGN/ PRINT NAMES</b>		<b>SPECIAL INSTRUCTIONS</b>				
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME	** Analytical batch QC must be run on samples associated with this SAF.				
<i>R. P. P. 13590 / K. J. / 7/17/07</i>		<i>1520</i>	<i>MO-743 REF #1 / 7/17/07</i>		<i>1520</i>					
<i>W. J. S. REF 1</i>		<i>7/19/07 1520</i>	<i>J. M. P. / D. L. / 7/19/07</i>		<i>1520</i>					
<i>J. M. P. / D. L. / 7/19/07</i>		<i>1510</i>	<i>M. Valenta / M. Valero</i>		<i>7/19/07 1510</i>					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
LABORATORY SECTION		RECEIVED BY			TITLE			DATE/TIME		
FINAL SAMPLE DISPOSITION		DISPOSAL METHOD			DISPOSED BY			DATE/TIME		

00000016

1220 - 20 21 - 1921

<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE	<b>COMPANY CONTACT</b> ROHAY, VJ	<b>TELEPHONE NO.</b> 373-3807	<b>PROJECT COORDINATOR</b> TRENT, SJ	<b>PRICE CODE</b> 1A	<b>DATA TURNAROUND</b> 24 Hours / 15 Days
<b>SAMPLING LOCATION</b> C5244 - 1-45	<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater		<b>SAF NO.</b> F07-006	<b>AIR QUALITY</b> <input type="checkbox"/>	
<b>ICE CHEST NO.</b>	<b>FIELD LOGBOOK NO.</b> HNF-N-502 1	<b>COA</b> 122597ES10	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE		
<b>SHIPPED TO</b> PNNL Building 325	<b>OFFSITE PROPERTY NO.</b> N/A		<b>BILL OF LADING/AIR BILL NO.</b> N/A		

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>	Cool~4C	None											
		<b>TYPE OF CONTAINER</b>	P	aGs*											
		<b>NO. OF CONTAINER(S)</b>	1	1											
		<b>VOLUME</b>	1000mL	40mL											
		<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b>	KD - Batch;	Generic Testing {No CAS}										

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1L932	WATER	7-24-07	1400	-	-									

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	** Analytical batch QC must be run on samples associated with this SAF.	
<i>K Hughes</i>	7-24-07 1700	<i>MO 745 Ref #1</i>	7-24-07 1700		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>MO 745 Ref #1</i>	8-6-07 0900	<i>D Connolly</i>	8-6-07 0900		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>D Connolly</i>	8-6-07 9:40	<i>K Hughes</i>	8-6-07 9:40		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>	<b>DATE/TIME</b>
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>	<b>DISPOSED BY</b>	<b>DATE/TIME</b>

ECI 00011 7076

00000017

Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F07-006-093	PAGE 1 OF 1
COLLECTOR POPE/PFISTER/HUGHES/WISE		COMPANY CONTACT ROHAY, VJ	TELEPHONE NO. 373-3807	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 1A	DATA TURNAROUND 24 Hours / 15 Days
SAMPLING LOCATION C5244 - 1-46 <b>3131</b>		PROJECT DESIGNATION T4/T5 Well Installation Characterization - Groundwater		SAF NO. F07-006	AIR QUALITY <input type="checkbox"/>	
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-N-502 1	COA 122597ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE		
SHIPPED TO PNNL Building 325		OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	PRESERVATION	Cool 4C	None								
		TYPE OF CONTAINER	P	aGs*								
		NO. OF CONTAINER(S)	1	1								
		VOLUME	1000mL	40mL								
SPECIAL HANDLING AND/OR STORAGE		SAMPLE ANALYSIS	KD - Batch;	Generic Testing (No CAS)								

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1L933	WATER	7-27-07	0835	✓	-						

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	** Analytical batch QC must be run on samples associated with this SAF.
<i>K. Hughes</i>	<i>7-27-07 1500</i>	<i>Blaise Morales</i>	<i>7-27-07 1500</i>	
<i>MOTYS Ret 1</i>	<i>8-6-07 0900</i>	<i>DConnolly</i>	<i>8-6-7 0900</i>	
<i>DConnolly</i>	<i>8-6-7 9:40</i>	<i>Konrad</i>	<i>8-6-7 9:40</i>	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

00000018

Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F07-006-094	PAGE 1 OF 1					
<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE		<b>COMPANY CONTACT</b> ROHAY, VJ		<b>TELEPHONE NO.</b> 373-3807		<b>PROJECT COORDINATOR</b> TRENT, SJ		<b>PRICE CODE</b> 1A	<b>DATA TURNAROUND</b> 24 Hours / 15 Days			
<b>SAMPLING LOCATION</b> C5244 - 1-47 320' (309' Pump Intake)		<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater				<b>SAF NO.</b> F07-006		<b>AIR QUALITY</b> <input type="checkbox"/>				
<b>ICE CHEST NO.</b>		<b>FIELD LOGBOOK NO.</b> HNF-N-502 1		<b>COA</b> 122597ES10		<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE						
<b>SHIPPED TO</b> PNNL Building 325		<b>OFFSITE PROPERTY NO.</b> N/A				<b>BILL OF LADING/AIR BILL NO.</b> N/A						
<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)		<b>PRESERVATION</b>		Cool 4C	None						
			<b>TYPE OF CONTAINER</b>		P	aGs*						
			<b>NO. OF CONTAINER(S)</b>		1	1						
			<b>VOLUME</b>		1000mL	40mL						
			<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>		KD - Batch;	Generic Testing (No CAS)				
<b>SAMPLE NO.</b>	<b>MATRIX*</b>	<b>SAMPLE DATE</b>	<b>SAMPLE TIME</b>									
B1L934	WATER	7-31-07	0950	X	X							
<b>CHAIN OF POSSESSION</b>		<b>SIGN/ PRINT NAMES</b>				<b>SPECIAL INSTRUCTIONS</b>						
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME	** Analytical batch QC must be run on samples associated with this SAF.						
J.S. POPE / 9/8/07		7-31-07 1530	[Signature] CHRISTIAN LOUIS		7/31/07 15:30							
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME							
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME							
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME							
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME							
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME							
<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>				<b>DATE/TIME</b>						
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>	<b>DISPOSED BY</b>				<b>DATE/TIME</b>						

00000019

Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F07-006-095	PAGE 1 OF 1
COLLECTOR POPE/PFISTER/HUGHES/WISE		COMPANY CONTACT ROHAY, VJ	TELEPHONE NO. 373-3807	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 1A	DATA TURNAROUND 24 Hours / 15 Days
SAMPLING LOCATION C5244 - 1-48 <i>331' (321' Pump Int)</i>		PROJECT DESIGNATION T4/T5 Well Installation Characterization - Groundwater		SAF NO. F07-006	AIR QUALITY <input type="checkbox"/>	
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-N-502 1	COA 122597ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE		
SHIPPED TO PNNL Building 325		OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>	Cool 4C	None							
		<b>TYPE OF CONTAINER</b>	P	aGs*							
		<b>NO. OF CONTAINER(S)</b>	1	1							
		<b>VOLUME</b>	1000mL	40mL							
<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>	KD - Batch;	Generic Testing (No CAS)							

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1L935	WATER	8-1-07	1230	X	X					

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	** Analytical batch QC must be run on samples associated with this SAF.	
<i>JSPope/afh</i>	<i>8-1-07 1615</i>	<i>MO745 Ret 1</i>	<i>8-1-7 1615</i>		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>MO745 Ret 1</i>	<i>8-6-07 0900</i>	<i>Stonely OS</i>	<i>8-6-7 0900</i>		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>D Comby OS</i>	<i>8-6-7 9:25</i>	<i>Kentou Red Lital</i>	<i>8-6-7 9:25</i>		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

02000000

<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE	<b>COMPANY CONTACT</b> ROHAY, VJ	<b>TELEPHONE NO.</b> 373-3807	<b>PROJECT COORDINATOR</b> TRENT, SJ	<b>PRICE CODE</b> 1A	<b>DATA TURNAROUND</b> 24 Hours / 15 Days
<b>SAMPLING LOCATION</b> C5244 - 1-49 <sup>8/1</sup> I-49D <sup>8-1-07</sup>	<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater		<b>SAF NO.</b> F07-006	<b>AIR QUALITY</b> <input type="checkbox"/>	
<b>ICE CHEST NO.</b> - 341	<b>FIELD LOGBOOK NO.</b> HNF-N-502 1	<b>COA</b> 122597E510	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE		
<b>SHIPPED TO</b> PNNL Building 325	<b>OFFSITE PROPERTY NO.</b> N/A		<b>BILL OF LADING/AIR BILL NO.</b> N/A		

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>	HNO3 to pH <2(ULTREX)	Cool~4C	None										
		<b>TYPE OF CONTAINER</b>	Nalgene	P	aGs*										
		<b>NO. OF CONTAINER(S)</b>	1	1	1										
		<b>VOLUME</b>	1000mL	1000mL	40mL										
		<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b>	Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)									

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME											
B1L936	WATER	8/2/2	1236	-	-	-								
B1L937	WATER	8/2/2	1236	-	-	-								

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	** Analytical batch QC must be run on samples associated with this SAF.	
<i>D. Webb / Dem. W. Well</i>	8-2-07/1610	<i>MO 745 FREDGE 1</i>	8-2-07/1610		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>MO 745 Ref 1</i>	8-6-7 0900	<i>Dem. W. Well</i>	8-6-7 0900		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>Dem. W. Well</i>	8-6-7 9125	<i>Kenyon Rod</i>	8-6-7 9:35		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>	<b>DATE/TIME</b>
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>	<b>DISPOSED BY</b>	<b>DATE/TIME</b>

00000021

Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F07-006-097	PAGE 1 OF 1	
COLLECTOR POPE/PFISTER/HUGHES/WISE		COMPANY CONTACT ROHAY, VJ		TELEPHONE NO. 373-3807	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 1A	DATA TURNAROUND 24 Hours / 15 Days	
SAMPLING LOCATION C5244 - 1-50 - 347'		PROJECT DESIGNATION T4/T5 Well Installation Characterization - Groundwater			SAF NO. F07-006	AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-N-502 1	COA 122597ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE				
SHIPPED TO PNNL Building 325		OFFSITE PROPERTY NO. N/A			BILL OF LADING/AIR BILL NO. N/A			
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)		<b>PRESERVATION</b> HNO3 to pH <2(ULTREX)	Cool~4C	None			
			<b>TYPE OF CONTAINER</b> Nalgene	P	aGs*			
			<b>NO. OF CONTAINER(S)</b> 1	1	1	1		
			<b>VOLUME</b> 1000mL	1000mL	40mL			
	<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b> Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)			

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1L938	WATER	8/3/7	1055	-	-	-						

LABORATORY SECTION		RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION		DISPOSAL METHOD	DISPOSED BY	DATE/TIME

22000000

COLLECTOR POPE/PFISTER/HUGHES/WISE *1 MUXLEX/WPFB* COMPANY CONTACT ROHAY, VJ TELEPHONE NO. 373-3807 PROJECT COORDINATOR TRENT, SJ PRICE CODE 1A DATA TURNAROUND 24 Hours / 15 Days

SAMPLING LOCATION C5244 - 1-51 - 360' PROJECT DESIGNATION T4/T5 Well Installation Characterization - Groundwater SAF NO. F07-006 AIR QUALITY  24 Hours / 15 Days

ICE CHEST NO. FIELD LOGBOOK NO. HNF-N-502 1 COA 122597ES10 METHOD OF SHIPMENT GOVERNMENT VEHICLE

SHIPPED TO PNNL Building 325 OFFSITE PROPERTY NO. N/A BILL OF LADING/AIR BILL NO. N/A

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>	HNO3 to pH <2(ULTREX)	Cool~4C	None
		<b>TYPE OF CONTAINER</b>	Nalgene	P	aGs*
		<b>NO. OF CONTAINER(S)</b>	1	1	1
		<b>VOLUME</b>	1000mL	1000mL	40mL
<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>	Tc-99 by ICMS; Uranium by ICMS;	KD - Batch;	Generic Testing (No CAS)

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1L939	WATER	8/2/07	1315	-	-	-							

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	** Analytical batch QC must be run on samples associated with this SAF.	
<i>D. Parucha</i>	8-6-07 1620	MO745 Fridge	8-6-07 1620		
MO745 Fridge	8-8-07 1240	D. Parucha	8-8-07 1240		
D. Parucha	8-8-07 1300	J. C. Smith	8/8/07 1300		

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

*10* *Spms* *40ml*

00000003

COLLECTOR POPE/PFISTER/HUGHES/WISE COMPANY CONTACT ROHAY, VJ TELEPHONE NO. 373-3807 PROJECT COORDINATOR TRENT, SJ PRICE CODE 1A DATA TURNAROUND 24 Hours / 15 Days

SAMPLING LOCATION C5244 - 1-52 370' (357' Pump INT.) PROJECT DESIGNATION T4/T5 Well Installation Characterization - Groundwater SAF NO. F07-006 AIR QUALITY  24 Hours / 15 Days

ICE CHEST NO. FIELD LOGBOOK NO. HNF-N-502 1 COA 122597ES10 METHOD OF SHIPMENT GOVERNMENT VEHICLE

SHIPPED TO PNNL Building 325 OFFSITE PROPERTY NO. N/A BILL OF LADING/AIR BILL NO. N/A

MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b> HNO3 to pH <2(ULTREX) Cool~4C None																		
		<b>TYPE OF CONTAINER</b> Nalgene P aGs*																		
		<b>NO. OF CONTAINER(S)</b> 1 1 1																		
		<b>VOLUME</b> 1000mL 1000mL 40mL																		
	<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b> Tc-99 by ICPMS; Uranium by ICPMS; KD - Batch; Generic Testing (No CAS)																		

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME																
B1L940	WATER	8/8/7	1400																

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS ** Analytical batch QC must be run on samples associated with this SAF.
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>J.S. Pope</i>	<i>8/8/07 1500</i>	<i>John Curran</i>	<i>8/8/07 1500</i>	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME
	<i>Lo</i>	<i>Social Repms</i>	<i>Howe</i>

00000024

Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST					F07-006-100	PAGE 1 OF 1		
<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE		<b>COMPANY CONTACT</b> ROHAY, VJ		<b>TELEPHONE NO.</b> 373-3807		<b>PROJECT COORDINATOR</b> TRENT, SJ		<b>PRICE CODE</b> 1A	<b>DATA TURNAROUND</b> 24 Hours / 15 Days	
<b>SAMPLING LOCATION</b> C5244 - 1-53 <i>381'</i>		<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater			<b>SAF NO.</b> F07-006		<b>AIR QUALITY</b> <input type="checkbox"/>			
<b>ICE CHEST NO.</b>		<b>FIELD LOGBOOK NO.</b> HNF-N-502 1		<b>COA</b> 122597ES10		<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE				
<b>SHIPPED TO</b> PNNL Building 325		<b>OFFSITE PROPERTY NO.</b> N/A			<b>BILL OF LADING/AIR BILL NO.</b> N/A					
<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>		HNO3 to pH <2(ULTREX)	Cool~4C	None				
		<b>TYPE OF CONTAINER</b>		Nalgene	P	aGs*				
		<b>NO. OF CONTAINER(S)</b>		1	1	1				
		<b>VOLUME</b>		1000mL	1000mL	40mL				
	<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>		Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)			
<b>SAMPLE NO.</b>	<b>MATRIX*</b>	<b>SAMPLE DATE</b>	<b>SAMPLE TIME</b>							
B1L941	WATER	8-13-07	0835	✓	✓	✓				
<b>CHAIN OF POSSESSION</b>					<b>SIGN/ PRINT NAMES</b>					<b>SPECIAL INSTRUCTIONS</b> ** Analytical batch QC must be run on samples associated with this SAF.
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
<i>S. M... Sulewa</i>		<i>8/13/07 1105</i>	<i>M. Valera</i>		<i>8/13/07 1105</i>					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME	RECEIVED BY/STORED IN		DATE/TIME					
<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>				<b>TITLE</b>				<b>DATE/TIME</b>	
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>				<b>DISPOSED BY</b>				<b>DATE/TIME</b>	

00000025



Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F07-006-102	PAGE 1 OF 1		
<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE		<b>COMPANY CONTACT</b> ROHAY, VJ		<b>TELEPHONE NO.</b> 373-3807		<b>PROJECT COORDINATOR</b> TRENT, SJ		<b>PRICE CODE</b> 1A	<b>DATA TURNAROUND</b> 24 Hours / 15 Days
<b>SAMPLING LOCATION</b> C5244 - 1-55 <b>7005'</b>		<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater				<b>SAF NO.</b> F07-006		<b>AIR QUALITY</b> <input type="checkbox"/>	
<b>ICE CHEST NO.</b>		<b>FIELD LOGBOOK NO.</b> HNF-N-502 1		<b>COA</b> 122597E510		<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE			
<b>SHIPPED TO</b> PNNL Building 325		<b>OFFSITE PROPERTY NO.</b> N/A				<b>BILL OF LADING/AIR BILL NO.</b> N/A			
<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)		<b>PRESERVATION</b>		HNO3 to pH <2(ULTREX)	Cool~4C	None		
			<b>TYPE OF CONTAINER</b>		NaIgene	P	aGs*		
			<b>NO. OF CONTAINER(S)</b>		1	1	1		
			<b>VOLUME</b>		1000mL	1000mL	40mL		
	<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>		Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)		
<b>SAMPLE NO.</b>	<b>MATRIX*</b>	<b>SAMPLE DATE</b>	<b>SAMPLE TIME</b>						
B1L943	WATER	8/21/7	1415						
<b>CHAIN OF POSSESSION</b>		<b>SIGN/ PRINT NAMES</b>				<b>SPECIAL INSTRUCTIONS</b>			
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME		** Analytical batch QC must be run on samples associated with this SAF.	
S. N. Pope		8/21/7 1600		M. Valenta		8/21/7 1600			
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME			
Mo 745 Ref 1		8-23-7 0830		D. Connolly		8-23-7 0830			
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME			
D. Connolly		8-23-7 0915		M. Valenta		8-23-7 0915			
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME			
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME			
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME			
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME			
<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>			<b>TITLE</b>			<b>DATE/TIME</b>		
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>			<b>DISPOSED BY</b>			<b>DATE/TIME</b>		

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Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F07-006-211	PAGE 1 OF 1		
<b>COLLECTOR</b> PopePfisterMoklerConnollyParchen		<b>COMPANY CONTACT</b> ROHAY, VJ		<b>TELEPHONE NO.</b> 373-3807		<b>PROJECT COORDINATOR</b> TRENT, SJ		<b>PRICE CODE</b> 1A	<b>DATA TURNAROUND</b> 24 Hours / 15 Days
<b>SAMPLING LOCATION</b> C5244 - 1-56 ~410'		<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater				<b>SAF NO.</b> F07-006		<b>AIR QUALITY</b> <input type="checkbox"/>	
<b>ICE CHEST NO.</b>		<b>FIELD LOGBOOK NO.</b> HNF-N-502 1		<b>COA</b> 122597ES10		<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE			
<b>SHIPPED TO</b> PNNL Building 325		<b>OFFSITE PROPERTY NO.</b> N/A				<b>BILL OF LADING/AIR BILL NO.</b> N/A			
<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)		<b>PRESERVATION</b>		HNO3 to pH <2(ULTREX)	Cool~4C	None		
			<b>TYPE OF CONTAINER</b>		Nalgene	P	aGs*		
			<b>NO. OF CONTAINER(S)</b>		1	1	1		
			<b>VOLUME</b>		1000mL	1000mL	40mL		
	<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>		Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)		
<b>SAMPLE NO.</b>	<b>MATRIX*</b>	<b>SAMPLE DATE</b>	<b>SAMPLE TIME</b>						
B1PK06	WATER	8/24/07	1325						
<b>CHAIN OF POSSESSION</b>					<b>SIGN/ PRINT NAMES</b>				
<b>RELINQUISHED BY/REMOVED FROM</b> <i>J. Mucke/Julio</i> 8/24/07 1530					<b>RECEIVED BY/STORED IN</b> <i>MO-745 RTR</i> 8/24/07 1530				
<b>RELINQUISHED BY/REMOVED FROM</b> <i>MO-745 Fig 1</i> 8-28-07 0928					<b>RECEIVED BY/STORED IN</b> <i>MA White/MQ White</i> 8-28-07 0928				
<b>RELINQUISHED BY/REMOVED FROM</b> <i>MA White/MQ White</i> 8-28-07 0947					<b>RECEIVED BY/STORED IN</b> <i>M. Valenzia/M. Valenzia</i> 8/28/07 0947				
<b>RELINQUISHED BY/REMOVED FROM</b>					<b>RECEIVED BY/STORED IN</b>				
<b>RELINQUISHED BY/REMOVED FROM</b>					<b>RECEIVED BY/STORED IN</b>				
<b>RELINQUISHED BY/REMOVED FROM</b>					<b>RECEIVED BY/STORED IN</b>				
<b>RELINQUISHED BY/REMOVED FROM</b>					<b>RECEIVED BY/STORED IN</b>				
<b>LABORATORY SECTION</b>		<b>RECEIVED BY</b>			<b>TITLE</b>			<b>DATE/TIME</b>	
<b>FINAL SAMPLE DISPOSITION</b>		<b>DISPOSAL METHOD</b>			<b>DISPOSED BY</b>			<b>DATE/TIME</b>	
<b>SPECIAL INSTRUCTIONS</b> ** Analytical batch QC must be run on samples associated with this SAF.									

82000000

**COLLECTOR**  
PopePfisterMoklerConnollyParchen

**COMPANY CONTACT**  
ROHAY, VJ

**TELEPHONE NO.**  
373-3807

**PROJECT COORDINATOR**  
TRENT, SJ

**PRICE CODE** 1A

**DATA TURNAROUND**  
24 Hours / 15 Days

**SAMPLING LOCATION**  
C5244 - 1-57-420'

**PROJECT DESIGNATION**  
T4/T5 Well Installation Characterization - Groundwater

**SAF NO.**  
F07-006

**AIR QUALITY**

**ICE CHEST NO.**

**FIELD LOGBOOK NO.**  
HNF-N-502 1

**COA**  
122597ES10

**METHOD OF SHIPMENT**  
GOVERNMENT VEHICLE

**SHIPPED TO**  
PNNL Building 325

**OFFSITE PROPERTY NO.**  
N/A

**BILL OF LADING/AIR BILL NO.**  
N/A

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>	HNO3 to pH <2(ULTREX)	Cool~4C	None														
		<b>TYPE OF CONTAINER</b>	Nalgene	P	aGs*														
		<b>NO. OF CONTAINER(S)</b>	1	1	1														
		<b>VOLUME</b>	1000mL	1000mL	40mL														
	<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b>	Tc-99 by ICPMS; Uranium by ICPMS;	KD - BATCH;	Generic Testing (No CAS)														

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME															
B1PK07	WATER	8/29/07	0810	-	-	-												

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	** Analytical batch QC must be run on samples associated with this SAF.	
J. Moulton	8/29/07 1500	M. Valenta / M. Valbo	8/29/07 1500		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>	<b>DATE/TIME</b>
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>	<b>DISPOSED BY</b>	<b>DATE/TIME</b>

62000000

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F07-006-018

PAGE 1 OF 1

COLLECTOR  
POPE/PFISTER/HUGHES/WISE *1/11/07*

COMPANY CONTACT  
ROHAY, VJ

TELEPHONE NO.  
373-3807

PROJECT COORDINATOR  
TRENT, SJ

PRICE CODE 7N

DATA  
TURNAROUND

SAMPLING LOCATION  
C5243 - I-39 *252' BGS*

PROJECT DESIGNATION  
T4/T5 Well Installation Characterization - Groundwater

SAF NO.  
F07-006

AIR QUALITY

45 Days /  
45 Days

ICE CHEST NO.

FIELD LOGBOOK NO.  
HNF-N-502 1

COA  
122597ES10

METHOD OF SHIPMENT  
GOVERNMENT VEHICLE

SHIPPED TO  
PNNL Building 325

OFFSITE PROPERTY NO.  
N/A

BILL OF LADING/AIR BILL NO.  
N/A

MATRIX\*  
A=Air  
DL=Drum  
Liquids  
DS=Drum  
Solids  
L=Liquid  
O=Oil  
S=Soil  
SE=Sediment  
T=Tissue  
V=Vegetation  
W=Water  
WI=Wipe  
X=Other

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)

PRESERVATION  
HNO3 to pH <2(ULTREX) Cool 4C None

TYPE OF CONTAINER  
Nalgene P aGs\*

NO. OF CONTAINER(S)  
1 1 1

VOLUME  
1000mL 1000mL 40mL

SPECIAL HANDLING AND/OR STORAGE  
SAMPLE ANALYSIS  
Tc-99 by ICPMS; Uranium by ICPMS; KD - Batch; Generic Testing (No CAS)

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1L4W8	WATER	4/6/7	1030							

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>J. Pope</i>	4/6/7-1300	<i>M0745 REF 1</i>	4/6/7-1300
<i>M0745 Ref #1</i>	4/9/07 0900	<i>L. Hanman</i>	4/9/07 0900
<i>L. Hanman</i>	4/9/07 09:15	<i>M. Valenta</i>	4/9/07 0915

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F07-006-019

PAGE 1 OF 1

<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE		<b>COMPANY CONTACT</b> ROHAY, VJ		<b>TELEPHONE NO.</b> 373-3807	<b>PROJECT COORDINATOR</b> TRENT, SJ		<b>PRICE CODE</b> 7N	<b>DATA TURNAROUND</b> 45 Days / 45 Days	
<b>SAMPLING LOCATION</b> C5243 - I-40 <i>262'-267'</i>		<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater			<b>SAF NO.</b> F07-006		<b>AIR QUALITY</b> <input type="checkbox"/>		
<b>ICE CHEST NO.</b>		<b>FIELD LOGBOOK NO.</b> HNF-N-502 1		<b>COA</b> 122597ES10		<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE			
<b>SHIPPED TO</b> PNNL Building 325		<b>OFFSITE PROPERTY NO.</b> N/A			<b>BILL OF LADING/AIR BILL NO.</b> N/A				

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>	HNO3 to pH <2(ULTREX)	Cool 4C	None							
		<b>TYPE OF CONTAINER</b>	Nalgene	P	aGs*							
		<b>NO. OF CONTAINER(S)</b>	1	1	1							
		<b>VOLUME</b>	1000mL	1000mL	40mL							
		<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b>	Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)						

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1L4W9	WATER	4-10-07	11:45	✓	✓	✓					

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>K. Hughes</i>	<i>4-10-07/1600</i>	<i>M0745 Fridge #1</i>	<i>4-10-07/1600</i>		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>M0745 Fridge #1</i>	<i>4-11-07 0930</i>	<i>L. Hanman</i>	<i>4-11-07 0930</i>		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>L. Hanman</i>	<i>4-11-07 0930</i>	<i>M. Valencia</i>	<i>4-11-07 0955</i>		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

<b>LABORATORY SECTION</b>	RECEIVED BY	TITLE	DATE/TIME
<b>FINAL SAMPLE DISPOSITION</b>	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

00000031

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F07-006-020

PAGE 1 OF 1

<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE	<b>COMPANY CONTACT</b> ROHAY, VJ	<b>TELEPHONE NO.</b> 373-3807	<b>PROJECT COORDINATOR</b> TRENT, SJ	<b>PRICE CODE</b> 7N	<b>DATA TURNAROUND</b> 45 Days / 45 Days
<b>SAMPLING LOCATION</b> C5243 - I-41 265'	<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater		<b>SAF NO.</b> F07-006	<b>AIR QUALITY</b> <input type="checkbox"/>	
<b>ICE CHEST NO.</b>	<b>FIELD LOGBOOK NO.</b> HNF-N-502 1	<b>COA</b> 122597ES10	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE		
<b>SHIPPED TO</b> PNNL Building 325	<b>OFFSITE PROPERTY NO.</b> N/A		<b>BILL OF LADING/AIR BILL NO.</b> N/A		

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>	HNO3 to pH <2(ULTREX)	Cool 4C	None							
		<b>TYPE OF CONTAINER</b>	Nalgene	P	aGs*							
		<b>NO. OF CONTAINER(S)</b>	1	1	1							
		<b>VOLUME</b>	1000mL	1000mL	40mL							
<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b>	Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)								

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1L4X0	WATER	4-11-07	1412	X	X	X					

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>J. Pope</i>	4-11-07 1530	<i>M. Valera</i>	4-11-07 1530	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>	<b>DATE/TIME</b>
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>	<b>DISPOSED BY</b>	<b>DATE/TIME</b>

20000000

<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE	<b>COMPANY CONTACT</b> ROHAY, VJ	<b>TELEPHONE NO.</b> 373-3807	<b>PROJECT COORDINATOR</b> TRENT, SJ	<b>PRICE CODE</b> 7N  <b>AIR QUALITY</b> <input type="checkbox"/>	<b>DATA TURNAROUND</b> 45 Days / 45 Days
<b>SAMPLING LOCATION</b> C5243 - I-42	<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater		<b>SAF NO.</b> F07-006		
<b>ICE CHEST NO.</b> 282' MMU 4/16/07 (see email)	<b>FIELD LOGBOOK NO.</b> HNF-N-502 1	<b>COA</b> 122597ES10	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE		
<b>SHIPPED TO</b> PNNL Building 325	<b>OFFSITE PROPERTY NO.</b> N/A		<b>BILL OF LADING/AIR BILL NO.</b> N/A		

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>	HNO3 to pH <2(ULTREX)	Cool 4C	None						
		<b>TYPE OF CONTAINER</b>	Nalgene	P	aGs*						
		<b>NO. OF CONTAINER(S)</b>	1	1	1						
		<b>VOLUME</b>	1000mL	1000mL	40mL						
		<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b>	Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)					

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1L4X1	WATER	4-13-07	1355	✓	✓	✓					

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM W. M. Wise	DATE/TIME 4-13-07 1200	RECEIVED BY/STORED IN Rohay
RELINQUISHED BY/REMOVED FROM Mo-745/REF #1	DATE/TIME 4-16-07 0800	RECEIVED BY/STORED IN J. Pope
RELINQUISHED BY/REMOVED FROM S. Pope	DATE/TIME 4-16-07 0825	RECEIVED BY/STORED IN U. Valencia
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN

<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>	<b>DATE/TIME</b>
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>	<b>DISPOSED BY</b>	<b>DATE/TIME</b>

0000003

Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F07-006-022	PAGE 1 OF 1				
<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE <span style="float: right;">2</span>		<b>COMPANY CONTACT</b> ROHAY, VJ		<b>TELEPHONE NO.</b> 373-3807		<b>PROJECT COORDINATOR</b> TRENT, SJ		<b>PRICE CODE</b> 7N	<b>DATA TURNAROUND</b> 45 Days / 45 Days		
<b>SAMPLING LOCATION</b> C5243 - I-43 <span style="float: right;">292-293' 252'</span>		<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater		<b>SAF NO.</b> F07-006		<b>AIR QUALITY</b> <input type="checkbox"/>					
<b>ICE CHEST NO.</b> email attached		<b>FIELD LOGBOOK NO.</b> HNF-N-502 1		<b>COA</b> 122597ES10		<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE					
<b>SHIPPED TO</b> PNNL Building 325		<b>OFFSITE PROPERTY NO.</b> N/A				<b>BILL OF LADING/AIR BILL NO.</b> N/A					
<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other		<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)		<b>PRESERVATION</b> HNO3 to pH <2(ULTREX)		Cool 4C		None			
		<b>TYPE OF CONTAINER</b>		Nalgene		P		aGs*			
		<b>NO. OF CONTAINER(S)</b>		1		1		1			
		<b>VOLUME</b>		1000mL		1000mL		40mL			
		<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>		Tc-99 by ICPMS; Uranium by ICPMS;		KD - Batch; Generic Testing (No CAS)			
<b>SAMPLE NO.</b>		<b>MATRIX*</b>		<b>SAMPLE DATE</b>		<b>SAMPLE TIME</b>					
B1L4X2		WATER		1205		✓ - ✓					
<b>CHAIN OF POSSESSION</b>				<b>SIGN/ PRINT NAMES</b>				<b>SPECIAL INSTRUCTIONS</b>			
RELINQUISHED BY/REMOVED FROM HUGHES/POPE 4-17-07/16:40		DATE/TIME		RECEIVED BY/STORED IN MO 745 Fridge #1 4-17-07/1640		DATE/TIME					
RELINQUISHED BY/REMOVED FROM MO 745 Ref 4-19-07 0825		DATE/TIME		RECEIVED BY/STORED IN [Signature] 4-19-07 0825		DATE/TIME					
RELINQUISHED BY/REMOVED FROM [Signature] 4-19-07 08:35		DATE/TIME		RECEIVED BY/STORED IN [Signature] 4/19/07 0835		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME					
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME					
<b>LABORATORY SECTION</b>		<b>RECEIVED BY</b>				<b>TITLE</b>				<b>DATE/TIME</b>	
<b>FINAL SAMPLE DISPOSITION</b>		<b>DISPOSAL METHOD</b>				<b>DISPOSED BY</b>				<b>DATE/TIME</b>	

00000034

<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE / <i>MORLEY</i>	<b>COMPANY CONTACT</b> ROHAY, VJ	<b>TELEPHONE NO.</b> 373-3807	<b>PROJECT COORDINATOR</b> TRENT, SJ	<b>PRICE CODE</b> 7N	<b>DATA TURNAROUND</b> 45 Days / 45 Days
<b>SAMPLING LOCATION</b> C5243 - I-44 <i>I-44 D</i> <i>11-27-06</i>	<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater		<b>SAF NO.</b> F07-006	<b>AIR QUALITY</b> <input type="checkbox"/>	
<b>ICE CHEST NO.</b>	<b>FIELD LOGBOOK NO.</b> HNF-N-502 1	<b>COA</b> 122597ES10	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE		

<b>SHIPPED TO</b> PNNL Building 325	<b>OFFSITE PROPERTY NO.</b> N/A	<b>BILL OF LADING/AIR BILL NO.</b> N/A
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<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>	HNO3 to pH <2(ULTREX)	Cool 4C	None									
		<b>TYPE OF CONTAINER</b>	Nalgene	P	aGs*									
		<b>NO. OF CONTAINER(S)</b>	1	1	1									
		<b>VOLUME</b>	1000mL	1000mL	40mL									
<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b>	Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)										

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1L4X3	WATER	<i>4/25/07</i>		<i>/</i>	<i>/</i>	<i>/</i>							
B1L4X4	WATER	<i>4/25/07</i>		<i>/</i>	<i>/</i>	<i>/</i>							

<b>CHAIN OF POSSESSION</b>		<b>SIGN/ PRINT NAMES</b>		<b>SPECIAL INSTRUCTIONS</b>
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>J. Morley</i>	<i>12:35</i>	<i>M. Valera</i>	<i>4/25/07 1235</i>	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>	<b>DATE/TIME</b>
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>	<b>DISPOSED BY</b>	<b>DATE/TIME</b>

50000005

Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F07-006-024	PAGE 1	OF 1	
<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE		<b>COMPANY CONTACT</b> ROHAY, VJ		<b>TELEPHONE NO.</b> 373-3807		<b>PROJECT COORDINATOR</b> TRENT, SJ		<b>PRICE CODE</b> 7N	<b>DATA TURNAROUND</b>
<b>SAMPLING LOCATION</b> C5243 - I-45 <i>312'-313' bgs</i>		<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater			<b>SAF NO.</b> F07-006		<b>AIR QUALITY</b> <input type="checkbox"/>		<b>45 Days / 45 Days</b>
<b>ICE CHEST NO.</b>		<b>FIELD LOGBOOK NO.</b> HNF-N-502 1		<b>COA</b> 122597ES10		<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE			
<b>SHIPPED TO</b> PNNL Building 325		<b>OFFSITE PROPERTY NO.</b> N/A			<b>BILL OF LADING/AIR BILL NO.</b> N/A				
<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)		<b>PRESERVATION</b>		HNO3 to pH <2(ULTREX)	Cool 4C	None		
			<b>TYPE OF CONTAINER</b>		Nalgene	P	aGs*		
			<b>NO. OF CONTAINER(S)</b>		1	1	1		
			<b>VOLUME</b>		1000mL	1000mL	40mL		
			<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>		Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)
<b>SAMPLE NO.</b>	<b>MATRIX*</b>	<b>SAMPLE DATE</b>	<b>SAMPLE TIME</b>						
B1L4X5	WATER	5-16-07	0824	✓	✓	✓			
<b>CHAIN OF POSSESSION</b>		<b>SIGN/ PRINT NAMES</b>		<b>SPECIAL INSTRUCTIONS</b>					
RELINQUISHED BY/REMOVED FROM <i>MMV 5/17/07</i>		DATE/TIME <i>5/16/07 15:25</i>		RECEIVED BY/STORED IN <i>[Signature]</i>		DATE/TIME <i>5/16/07 15:05</i>			
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME			
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME			
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME			
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME			
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME			
RELINQUISHED BY/REMOVED FROM		DATE/TIME		RECEIVED BY/STORED IN		DATE/TIME			
<b>LABORATORY SECTION</b>		<b>RECEIVED BY</b>			<b>TITLE</b>				<b>DATE/TIME</b>
<b>FINAL SAMPLE DISPOSITION</b>		<b>DISPOSAL METHOD</b>			<b>DISPOSED BY</b>				<b>DATE/TIME</b>

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Fluor Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST					F07-006-025	PAGE 1 OF 1		
COLLECTOR POPE/PFISTER/HUGHES/WISE <i>D Connolly</i>		COMPANY CONTACT ROHAY, VJ		TELEPHONE NO. 373-3807		PROJECT COORDINATOR TRENT, SJ		PRICE CODE 7N	DATA TURNAROUND	
SAMPLING LOCATION C5243 - I-46 <i>326'</i>		PROJECT DESIGNATION T4/T5 Well Installation Characterization - Groundwater			SAF NO. F07-006		AIR QUALITY <input type="checkbox"/>	45 Days / 45 Days		
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-N-502 1		COA 122597ES10		METHOD OF SHIPMENT GOVERNMENT VEHICLE				
SHIPPED TO PNNL Building 325		OFFSITE PROPERTY NO. N/A			BILL OF LADING/AIR BILL NO. N/A					
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)		<b>PRESERVATION</b>		HNO3 to pH <2(ULTREX)	Cool 4C	None			
<b>TYPE OF CONTAINER</b>			Nalgene	P	aGs*					
<b>NO. OF CONTAINER(S)</b>			1	1	1					
<b>VOLUME</b>			1000mL	1000mL	40mL					
<b>SPECIAL HANDLING AND/OR STORAGE</b>			<b>SAMPLE ANALYSIS</b>		Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)			
<b>SAMPLE NO.</b>	<b>MATRIX*</b>	<b>SAMPLE DATE</b>	<b>SAMPLE TIME</b>							
B1L4X6	WATER	5/17/07	1205	✓	✓	✓				
<b>CHAIN OF POSSESSION</b>		<b>SIGN/ PRINT NAMES</b>				<b>SPECIAL INSTRUCTIONS</b>				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME							
<i>D Connolly</i>	5-17-07 1710	<i>D Connolly</i>	5-17-07 1710							
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME							
<i>M0745 Ref 2</i>	5-18-07 1050	<i>W. M. Wise</i>	5-18-07 1050							
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME							
<i>W. M. Wise</i>	5-18-07 1130	<i>M. Valenta</i>	5/18/07 1130							
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME							
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME							
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME							
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME							
<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>				<b>DATE/TIME</b>				
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>	<b>DISPOSED BY</b>				<b>DATE/TIME</b>				

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Manford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F07-006-026

PAGE 1 OF 1

POPE/PFISTER/HUGHES/WISE *D County*

COMPANY CONTACT ROHAY, VJ TELEPHONE NO. 373-3807

PROJECT COORDINATOR TRENT, SJ

PRICE CODE 7N

DATA TURNAROUND 45 Days / 45 Days

SAMPLING LOCATION C5243 - I-47 *3331*

PROJECT DESIGNATION T4/T5 Well Installation Characterization - Groundwater

SAF NO. F07-006

ICE CHEST NO.

FIELD LOGBOOK NO. HNF-N-502 1

COA 122597ES10

METHOD OF SHIPMENT GOVERNMENT VEHICLE

SHIPPED TO PNNL Building 325

OFFSITE PROPERTY NO. N/A

BILL OF LADING/AIR BILL NO. N/A

MATRIX\* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other

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)

Table with columns: PRESERVATION, TYPE OF CONTAINER, NO. OF CONTAINER(S), VOLUME, SAMPLE ANALYSIS. Includes handwritten values like '1', '1000mL', '1000mL', '40mL'.

Table with columns: SAMPLE NO., MATRIX\*, SAMPLE DATE, SAMPLE TIME. Includes handwritten entry: B1L4X7, WATER, 5-21-07, 1223.

CHAIN OF POSSESSION table with columns: RELINQUISHED BY/REMOVED FROM, DATE/TIME, RECEIVED BY/STORED IN, DATE/TIME. Includes handwritten signatures and dates.

SPECIAL INSTRUCTIONS

LABORATORY SECTION, FINAL SAMPLE DISPOSITION table with columns: RECEIVED BY, DISPOSAL METHOD, TITLE, DISPOSED BY, DATE/TIME.

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COLLECTOR POPE/PFISTER/HUGHES/WISE / <i>m/water</i>	COMPANY CONTACT ROHAY, VJ	TELEPHONE NO. 373-3807	PROJECT COORDINATOR TRENT, SJ
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SAMPLING LOCATION C5243 - I-48 - <i>343'</i>	PROJECT DESIGNATION T4/T5 Well Installation Characterization - Groundwater	SAF NO. F07-006	PRICE CODE 7N AIR QUALITY <input type="checkbox"/>
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ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-502 1	COA 122597ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE
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SHIPPED TO PNNL Building 325	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A
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MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>	HNO3 to pH <2(ULTREX)	Cool 4C	None						
		<b>TYPE OF CONTAINER</b>	Nalgene	P	aGs*						
		<b>NO. OF CONTAINER(S)</b>	1	1	1						
		<b>VOLUME</b>	1000mL	1000mL	40mL						
	<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b>	Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)						

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME						
B1L4X8	WATER	5/22/07	1150	\	\	\			

CHAIN OF POSSESSION	SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/ REMOVED FROM <i>J. N. ...</i>	DATE/TIME 5/22/07 1500	
RECEIVED BY/ STORED IN <i>N. Valencia, M. Valle</i>	DATE/TIME 5/22/07 1600	
RELINQUISHED BY/ REMOVED FROM	DATE/TIME	
RECEIVED BY/ STORED IN	DATE/TIME	
RELINQUISHED BY/ REMOVED FROM	DATE/TIME	
RECEIVED BY/ STORED IN	DATE/TIME	
RELINQUISHED BY/ REMOVED FROM	DATE/TIME	
RECEIVED BY/ STORED IN	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

00000039

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F07-006-028

PAGE 1 OF 1

<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE		<b>COMPANY CONTACT</b> ROHAY, VJ		<b>TELEPHONE NO.</b> 373-3807		<b>PROJECT COORDINATOR</b> TRENT, SJ		<b>PRICE CODE</b> 7N		<b>DATA TURNAROUND</b> 45 Days / 45 Days	
<b>SAMPLING LOCATION</b> C5243 - I-49 <sup>352'-353'</sup> <sub>3 I-49 D 2/11-27-06</sub>		<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater				<b>SAF NO.</b> F07-006		<b>AIR QUALITY</b> <input type="checkbox"/>			
<b>ICE CHEST NO.</b>		<b>FIELD LOGBOOK NO.</b> HNF-N-502 1		<b>COA</b> 122597ES10		<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE					
<b>SHIPPED TO</b> PNNL Building 325		<b>OFFSITE PROPERTY NO.</b> N/A				<b>BILL OF LADING/AIR BILL NO.</b> N/A					

<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>			HNO3 to pH <2(ULTREX)	Cool 4C	None							
		<b>TYPE OF CONTAINER</b>			Naigene	P	aGs*							
		<b>NO. OF CONTAINER(S)</b>			1	1	1							
		<b>VOLUME</b>			1000mL	1000mL	40mL							
<b>SPECIAL HANDLING AND/OR STORAGE</b>		<b>SAMPLE ANALYSIS</b>			Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)							

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME										
B1L4X9	WATER	5-23-07	0730	✓	✓	✓							
B1L4Y0	WATER	↓	↓	✓	✓	✓							

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS			
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
J. Pope / AS/HR	5-23-07 1210	MU-745 / REF.#1	5-23-07 1210				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
MU-745 fridge # 1	5-24-07 1310	J. POPE / AS/HR	5-24-07 1310				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
J. Pope / AS/HR	5-24-07 1320	M. Valente / M. Valles	5/24/07 1320				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME				

<b>LABORATORY SECTION</b>	RECEIVED BY	<b>TITLE</b>		<b>DATE/TIME</b>
<b>FINAL SAMPLE DISPOSITION</b>	DISPOSAL METHOD	<b>DISPOSED BY</b>		<b>DATE/TIME</b>

00000040



Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F07-006-030

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COLLECTOR  
POPE/PFISTER/HUGHES/WISE *Murphy*

COMPANY CONTACT  
ROHAY, VJ  
TELEPHONE NO.  
373-3807

PROJECT COORDINATOR  
TRENT, SJ

PRICE CODE 7N

DATA  
TURNAROUND  
45 Days /  
45 Days

SAMPLING LOCATION  
C5243 - I-51 *372'-573' 695'*

PROJECT DESIGNATION  
T4/T5 Well Installation Characterization - Groundwater

SAF NO.  
F07-006

AIR QUALITY

ICE CHEST NO.

FIELD LOGBOOK NO.  
HNF-N-502 1

COA  
122597ES10

METHOD OF SHIPMENT  
GOVERNMENT VEHICLE

SHIPPED TO  
PNNL Building 325

OFFSITE PROPERTY NO.  
N/A

BILL OF LADING/AIR BILL NO.  
N/A

MATRIX\*  
A=Air  
DL=Drum  
Liquids  
DS=Drum  
Solids  
L=Liquid  
O=Oil  
S=Soil  
SE=Sediment  
T=Tissue  
V=Vegetation  
W=Water  
WI=Wipe  
X=Other

**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 HANDLING AND/OR STORAGE**

<b>PRESERVATION</b>	HNO3 to pH <2(ULTREX)	Cool 4C	None
<b>TYPE OF CONTAINER</b>	Nalgene	P	aGs*
<b>NO. OF CONTAINER(S)</b>	1	1	1
<b>VOLUME</b>	1000mL	1000mL	40mL
<b>SAMPLE ANALYSIS</b>	Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing {No CAS}

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1L4Y2	WATER	5-25-07	1730	✓	✓	✓				

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>W. H. Sullivan</i>	5-25-07 1730	<i>M. O. 745</i>	5-25-07 1730
<i>M. O. 745</i>	5/29/07 0745	<i>S. Hunter</i>	5/29/07 0745
<i>S. Hunter</i>	5/29/07 0820	<i>M. Ventura</i>	5/29/07 0820

SPECIAL INSTRUCTIONS

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

2400000042

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F07-006-031

PAGE 1 OF 1

**COLLECTOR**  
POPE/PFISTER/HUGHES/WISE  
Fluor Hanford  
D. E. PARCHEN

**COMPANY CONTACT**  
ROHAY, VJ

**TELEPHONE NO.**  
373-3807

**PROJECT COORDINATOR**  
TRENT, SJ

**PRICE CODE** 7N

**DATA TURNAROUND**  
45 Days / 45 Days

**SAMPLING LOCATION**  
CS243 - I-52 382'

**PROJECT DESIGNATION**  
T4/T5 Well Installation Characterization - Groundwater

**SAF NO.**  
F07-006

**AIR QUALITY**

**ICE CHEST NO.**

**FIELD LOGBOOK NO.**  
HNF-N-502 1

**COA**  
122597ES10

**METHOD OF SHIPMENT**  
GOVERNMENT VEHICLE

**SHIPPED TO**  
PNNL Building 325

**OFFSITE PROPERTY NO.**  
N/A

**BILL OF LADING/AIR BILL NO.**  
N/A

**MATRIX\***  
A=Air  
DL=Drum  
Liquids  
DS=Drum  
Solids  
L=Liquid  
O=Oil  
S=Soil  
SE=Sediment  
T=Tissue  
V=Vegetation  
W=Water  
WI=Wipe  
X=Other

**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 HANDLING AND/OR STORAGE**

<b>PRESERVATION</b>	HNO3 to pH <2(ULTREX)	Cool 4C	None
<b>TYPE OF CONTAINER</b>	Nalgene	P	aGs*
<b>NO. OF CONTAINER(S)</b>	1	1	1
<b>VOLUME</b>	1000mL	1000mL	40mL
<b>SAMPLE ANALYSIS</b>	Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1L4Y3	WATER	5-29-07	1442	X	X	X				

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
D. E. PARCHEN	MAY 29 2007 16:00	Chris Tom	MAY 29 2007 16:00

**SPECIAL INSTRUCTIONS**

<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>	<b>DATE/TIME</b>
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>	<b>DISPOSED BY</b>	<b>DATE/TIME</b>

00000043

<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE <i>mwj/er</i>	<b>COMPANY CONTACT</b> ROHAY, VJ	<b>TELEPHONE NO.</b> 373-3807	<b>PROJECT COORDINATOR</b> TRENT, SJ	<b>PRICE CODE</b> 7N	<b>DATA TURNAROUND</b> 45 Days / 45 Days
<b>SAMPLING LOCATION</b> C5243 - I-53 <i>391</i>	<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater		<b>SAF NO.</b> F07-006	<b>AIR QUALITY</b> <input type="checkbox"/>	

<b>ICE CHEST NO.</b>	<b>FIELD LOGBOOK NO.</b> HNF-N-502 1	<b>COA</b> 122597ES10	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE		
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<b>SHIPPED TO</b> PNNL Building 325	<b>OFFSITE PROPERTY NO.</b> N/A	<b>BILL OF LADING/AIR BILL NO.</b> N/A			
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<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>	HNO3 to pH <2(ULTREx)	Cool 4C	None						
		<b>TYPE OF CONTAINER</b>	Nalgene	P	aGs*						
		<b>NO. OF CONTAINER(S)</b>	1	1	1						
		<b>VOLUME</b>	1000mL	1000mL	40mL						
		<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b>	Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)					

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME							
B1L4Y4	WATER	6/1/07	1154	-	-	-				

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
<i>S. M... ..</i>	6/1/07 14:30	<i>Kenton Rad</i>	6/1/07 14:46	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	

<b>LABORATORY SECTION</b>	<b>RECEIVED BY</b>	<b>TITLE</b>	<b>DATE/TIME</b>
<b>FINAL SAMPLE DISPOSITION</b>	<b>DISPOSAL METHOD</b>	<b>DISPOSED BY</b>	<b>DATE/TIME</b>

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Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F07-006-033

PAGE 1 OF 1

<b>COLLECTOR</b> POPE/PFISTER/HUGHES/WISE	<b>COMPANY CONTACT</b> ROHAY, VJ	<b>TELEPHONE NO.</b> 373-3807	<b>PROJECT COORDINATOR</b> TRENT, SJ	<b>PRICE CODE</b> 7N	<b>DATA TURNAROUND</b> 45 Days / 45 Days
<b>SAMPLING LOCATION</b> C5243 - I-54 <i>309!</i>	<b>PROJECT DESIGNATION</b> T4/T5 Well Installation Characterization - Groundwater		<b>SAF NO.</b> F07-006	<b>AIR QUALITY</b> <input type="checkbox"/>	

<b>ICE CHEST NO.</b>	<b>FIELD LOGBOOK NO.</b> HNF-N-502 1	<b>COA</b> 122597ES10	<b>METHOD OF SHIPMENT</b> GOVERNMENT VEHICLE		
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<b>SHIPPED TO</b> PNNL Building 325	<b>OFFSITE PROPERTY NO.</b> N/A	<b>BILL OF LADING/AIR BILL NO.</b> N/A			
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<b>MATRIX*</b> A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	<b>POSSIBLE SAMPLE HAZARDS/ REMARKS</b> 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)	<b>PRESERVATION</b>	HNO3 to pH <2(ULTREX)	Cool 4C	None							
		<b>TYPE OF CONTAINER</b>	Nalgene	P	aGs*							
		<b>NO. OF CONTAINER(S)</b>	1	1	1							
		<b>VOLUME</b>	1000mL	1000mL	40mL							
		<b>SPECIAL HANDLING AND/OR STORAGE</b>	<b>SAMPLE ANALYSIS</b>	Tc-99 by ICPMS; Uranium by ICPMS;	KD - Batch;	Generic Testing (No CAS)						

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME								
B1L4Y5	WATER	6-5-07	1210	X	X	X					

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
<i>D. Sanchez</i>	1540 6-5-07	<i>M. Valencia</i>	6/5/07 1540		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		

<b>LABORATORY SECTION</b>	RECEIVED BY	TITLE	DATE/TIME
<b>FINAL SAMPLE DISPOSITION</b>	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

00000045