

H0718-TMA/RECR  
0052787

**RECEIVED**  
MAR 28 2000  
**EDMC**

Thermo Retec  
W.O. No. R0-01-140-7337

Bechtel Hanford Inc.  
SDG H0718

**Case Narrative**

**1.0 GENERAL**

Bechtel Hanford Inc. (BHI) Sample Delivery Group H0718 is composed of one liquid (water) sample designated under SAF No. B00-025 with a Project Designation of: RadCon Uranium Sampling and Analysis.

The sample was received as stated on the Chain-of-Custody documents. Any discrepancies are noted on the TNU Sample Receipt Checklist. The results were transmitted to BHI via facsimile on February 14, 2000.

**2.0 ANALYSIS NOTES**

**2.1 Total Uranium Analyses**

No problems were encountered during the course of the analyses.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31  
FEB 2000  
RECEIVED  
Data  
Log In

**TMA/RICHMOND**  
 SAMPLE DELIVERY GROUP H0718

SDG 7337  
 Contact Melissa C. Mannion

**SAMPLE SUMMARY**

Client Hanford  
 Contract TRB-SBB-207925  
 Case no SDG H0718

CLIENT SAMPLE ID	LOCATION	MATRIX	LEVEL	LAB		CHAIN OF	
				SAMPLE ID	SAF NO	CUSTODY	COLLECTED
BOXFX3	300 Area	WATER		R001140-01	B00-025	B00-025-01	01/24/00 06:30
Method Blank		WATER		R001140-03	B00-025		
Lab Control Sample		WATER		R001140-02	B00-025		
Duplicate (R001140-01)	300 Area	WATER		R001140-04	B00-025		01/24/00 06:30

Lab id TMANC  
 Protocol Hanford  
 Version Ver 1.0  
 Form DVD-CS  
 Version 3.06  
 Report date 02/14/00

TMA/RICHMOND

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QC SUMMARY

Client Hanford  
 Contract TRB-SBB-207925  
 Case no SDG H0718

QC BATCH	CHAIN OF CUSTODY	CLIENT SAMPLE ID	MATRIX	SOLIDS	SAMPLE AMOUNT	BASIS AMOUNT	DAYS SINCE RECEIVED	LAB COLL SAMPLE ID	DEPARTMENT SAMPLE ID
7337	B00-025-01	B0XFX3	WATER				01/25/00 1	R001140-01	7337-001
		Method Blank	WATER					R001140-03	7337-003
		Lab Control Sample	WATER					R001140-02	7337-002
		Duplicate (R001140-01)	WATER				01/25/00 1	R001140-04	7337-004

QC SUMMARY

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SUMMARY DATA SECTION

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Lab id TMANC  
 Protocol Hanford  
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 Form DVD-QS  
 Version 3.06  
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PREP BATCH SUMMARY

Client Hanford  
Contract TRB-SBB-207925  
Case no SDG H0718

TEST MATRIX	METHOD	PREPARATION ERROR			PLANCHETS ANALYZED			QUALI-
		BATCH	2σ %	CLIENT MORE	RE BLANK	LCS	DUP/ORIG MS/ORIG	
Kinetic Phosphorimetry								
U_T	WATER	Uranium, Total in Water	6914-050	9.0	1	1	1	1/1

Duplicates and Matrix Spikes are those with original (Client) sample in this Sample Delivery Group.  
Blank and LCS planchets are those in the same preparation batch as some Client, Duplicate or Spike sample.

Lab id TMANC  
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Version Ver 1.0  
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Contact Melissa C. Mannion

Client Hanford  
Contract TRB-SBB-207925  
Case no SDG H0718

**WORK SUMMARY**

CLIENT SAMPLE ID	LAB SAMPLE ID									
LOCATION	MATRIX	COLLECTED	SUF-							
CUSTODY	SAF No	RECEIVED	PLANCHET	TEST	FIX	ANALYZED	REVIEWED	BY	METHOD	
BOXFX3 300 Area B00-025-01	WATER	R001140-01 01/24/00 01/25/00	7337-001	U_T		02/04/00	02/14/00	MCM	Uranium, Total in Water	
Method Blank	WATER	R001140-03	7337-003	U_T		02/04/00	02/14/00	MCM	Uranium, Total in Water	
Lab Control Sample	WATER	R001140-02	7337-002	U_T		02/04/00	02/14/00	MCM	Uranium, Total in Water	
Duplicate (R001140-01) 300 Area	WATER	R001140-04 01/24/00 01/25/00	7337-004	U_T		02/04/00	02/14/00	MCM	Uranium, Total in Water	

**COUNTS OF TESTS BY SAMPLE TYPE**

TEST	SAF No	METHOD	REFERENCE	CLIENT	MORE	RE	BLANK	LCS	DUP	SPIKE	TOTAL
U_T	B00-025	Uranium, Total in Water	UKPA	1			1	1	1		4
<b>TOTALS</b>				1			1	1	1		4

Lab id TMANC  
Protocol Hanford  
Version Ver 1.0  
Form DVD-CWS  
Version 3.06  
Report date 02/14/00