

START

9713525.1173

BOOB98 - SAI



Science Applications International Corporation  
An Employee-Owned Company

0046442

60

December 5, 1990

Westinghouse Hanford Company  
2355 Stevens Drive  
Richland, WA 99352  
Attn: R. A. Bechtold



Reference: Contract No. MPB-SVV-069146

Dear Ms. Bechtold:

Enclosed is the sample delivery group No. *BOOB98* and SOW No. *300-FF-1 Remedial Investigation, Task 5b Vegetation Analysis for CY 1990*. The following samples were received on October 19, 1990:

*WHC Sample No.*

*SAIC Sample No.*

BOOB98	19865
BOOB95	19866
BOOB97	19867
BOOBD3	19868
BOOBD4	19869
BOOBP0	19870
BOOBP1	19872
BOOBF9	19873
BOOBG0	19874
BOOBG1	19875
BOOBG2	19876
BOOBB5	19877
BOOBB6	19878
BOOBB7	19879
BOOBB8	19880
BOOBB9	19882
BOOBC0	19883
BOOBC1	19884
BOOBC2	19885

3 Choke Cherry Road, Rockville, Maryland 20850 (301) 977-4480

Other SAIC Offices: Albuquerque, Boston, Colorado Springs, Dayton, Huntsville, Las Vegas, Los Angeles, McLean, Oak Ridge, Orlando, Palo Alto, San Diego, Seattle, Tucson

December 5, 1990  
 Westinghouse Hanford Company  
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<i>WHC Sample No.</i>	<i>SAIC Sample No.</i>
BOOBC3	19886
BOOBC4	19887
BOOBC5	19888
BOOBC6	19889
BOOBC7	19890
BOOBC8	19892
BOOBC9	19893
BOOBD0	19894
BOOBD1	19895
BOOBD2	19896
BOOBG3	19897
BOOBG4	19898
BOOBG5	19899
BOOBG6	19900
BOOBG7	19902
BOOBG8	19903
BOOBG9	19904
BOOBH0	19905
BOOBH1	19906
BOOBH2	19907
BOOBH3	19908
BOOBD5	19909
BOOBD6	19910
BOOBD8	19912
BOOBD7	19913

Data is also included for the blanks, replicates, spikes, and lab control samples. Samples were as follows:

<i>Type of Sample</i>	<i>SAIC Sample Numbers</i>
Duplicate	19871
Duplicate	19881
Duplicate	19891

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<i>Type of Sample</i>	<i>SAIC Sample Numbers</i>
Duplicate	19901
Duplicate	19911
Blank	Blank 8
Blank	Blank 9
Blank	Blank 10
Blank	Blank 11
Blank	Blank 12
Reference Standard	Spike 5
Reference Standard	Spike 6
Reference Standard	Spike 7
Reference Standard	Spike 8
Reference Standard	Spike 9
Reference Standard	Spike 10

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Very truly yours,

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

A handwritten signature in black ink, appearing to read "Farideh Moghadami", is written over the printed name. The signature is stylized and includes a large, sweeping flourish at the end.

Farideh Moghadami  
 Laboratory Manager

cc: QA Officer

## CASE NARRATIVE

Sample Delivery Group No. BOOB98 was analyzed in accordance with SAIC's standard operating procedures and the quality assurance program. This group was received on October 19, 1990 and included the following samples:

<i>WHC Sample No.</i>	<i>SAIC Sample No.</i>	<i>Sample Date</i>	<i>Sample Type</i>
BOOB98	19865	04/20/90	Asparagus
BOOB95	19866	04/20/90	Asparagus
BOOB97	19867	04/20/90	Asparagus
BOOBD3	19868	04/26/90	Asparagus
BOOBD4	19869	04/26/90	Asparagus
BOOBP0	19870	06/19/90	Asparagus
BOOBP1	19872	06/19/90	Asparagus
BOOBF9	19873	05/08/90	Asparagus
BOOBG0	19874	05/08/90	Asparagus
BOOBG1	19875	05/08/90	Asparagus
BOOBG2	19876	05/08/90	Asparagus
BOOBB5	19877	04/25/90	Asparagus
BOOBB6	19878	04/25/90	Asparagus
BOOBB7	19879	04/25/90	Asparagus
BOOBB8	19880	04/25/90	Asparagus
BOOBB9	19882	04/25/90	Asparagus
BOOBC0	19883	04/25/90	Asparagus
BOOBC1	19884	04/25/90	Asparagus
BOOBC2	19885	04/25/90	Asparagus
BOOBC3	19886	04/25/90	Asparagus
BOOBC4	19887	04/25/90	Asparagus
BOOBC5	19888	04/25/90	Asparagus
BOOBC6	19889	04/25/90	Asparagus
BOOBC7	19890	04/25/90	Asparagus
BOOBC8	19892	04/25/90	Asparagus
BOOBC9	19893	04/25/90	Asparagus
BOOBD0	19894	04/25/90	Asparagus
BOOBD1	19895	04/25/90	Asparagus
BOOBD2	19896	04/25/90	Asparagus
BOCBG3	19897	05/11/90	Asparagus
BOOBG4	19898	05/11/90	Asparagus
BOOBG5	19899	05/11/90	Asparagus

<i>WHC Sample No.</i>	<i>SAIC Sample No.</i>	<i>Sample Date</i>	<i>Sample Type</i>
BOOBG6	19900	05/11/90	Asparagus
BOOBG7	19902	05/11/90	Asparagus
BOOBG8	19903	05/11/90	Asparagus
BOOBG9	19904	05/11/90	Asparagus
BOOBH0	19905	05/11/90	Asparagus
BOOBH1	19906	05/11/90	Asparagus
BOOBH2	19907	05/11/90	Asparagus
BOOBH3	19908	05/11/90	Asparagus
BOOBD5	19909	05/03/90	Asparagus
BOOBD6	19910	05/03/90	Asparagus
BOOBD8	19912	05/03/90	Asparagus
BOOBD7	19913	05/03/90	Asparagus

No abnormalities, problems, or deviations from accepted procedures were identified except those noted as follows:

<i>Issue</i>	<i>Reason</i>
High reported value on total uranium sample #19881	The sample 19881 was duplicated to meet QC requirements. The amount of sample left for analysis was 1 gram, therefore we were unable to meet the detection limit. Sample 19877 is a duplicate of 19881 and the detection limit was good.

9713525.1178



Westinghouse Hanford Company  
A subsidiary of Westinghouse Electric Corporation  
P.O. Box 1970 Richland, Wa. 99352

RELEASE TO SHIP

41440

MO	DAY	YR
10	12	90

DATE SHIPPED		
MO	DAY	YR

VENDOR CODE
55922

PURCHASE ORDER REF
MPB-SVY-069146

SHIP TO  
SCIENCE APPLICATIONS INTERNATIONAL CORP.  
LABORATORY SERVICES DIVISION  
3 CHOKE CHERRY ROAD  
ROCKVILLE MD 20850-4087  
ATTN: RADWASTE SAMPLE COORDINATOR

FOR ACCOUNT OF  
WESTINGHOUSE HANFORD COMPANY  
PO BOX 1970  
RICHLAND WA 99352

F.O.B. ROCKVILLE MD	CAR INITIALS AND NO.	FRT. CHGS. 1. VENDOR 2. WESTINGHOUSE HANFORD 2	BUYER CODE PB	BUYER NAME P. D. BRAUN	PHONE 6-5762
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B/L	B/L WEIGHT 5.0000 #	ROUTING AIRBORNE OR FEDERAL EXPRESS	RETURN DUE DATE TBD	REQUISITION NO. 069146
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P/O ITEM	QUANTITY	U.M.	DESCRIPTION	AMOUNT
	5	EA	BOXES COOLERS OF VEGETATION SAMPLES  <i>Pick 10/18/90</i>	

REDISTRIBUTE COST <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	SPECIAL PACKAGING REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
---	--

REASON FOR SHIPMENT <b>F</b>	A. RETURN FOR CREDIT B. RETURN FOR REPLACEMENT C. RETURN FOR REPAIR D. RETURN VENDOR-OWNED RETURNABLE CONTAINER E. RETURN OVERSHIPMENTS F. RETURN SAMPLE G. RETURN VENDOR-OWNED MATERIAL OR EQUIPMENT H. SHIP GOVERNMENT-OWNED TOOLS, JIGS, AND FIXTURES I. SHIP EXCHANGE UNITS (CORE)	J. SHIP MATERIAL OR EQUIPMENT FOR REPAIR OR REBUILD K. SHIP MATERIAL OR EQUIPMENT FOR REPAIR ESTIMATE L. SHIP GOVERNMENT-OWNED RETURNABLE CONTAINER M. SHIP GOVERNMENT-OWNED MATERIAL FOR USE IN FABRICATION N. MISCELLANEOUS-
---------------------------------	--	--

HAZARDOUS MATERIAL  YES  NO IF YES, HAZARDOUS MATERIAL FORM IS REQUIRED TO ACCOMPANY MATERIAL.

LOCATION OF MATERIAL <b>TO BE DELIVERED TO SHIPPING</b>	TOTAL PIECES 5	RM CLEARANCE FOR PUBLIC SALE	SURVEY NO. <i>2181</i>
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CUSTODIAN <b>R. A. BECKTOLD</b>					PHONE 3-3448	DATE AVAILABLE FOR SHIPMENT 10-15-90
ITEM	CO ID*	COST CENTER	MC	COST ELEMENT	CHARGE CODE	% OF COST
	W	16500		210	EC32Y	100
					AUTHORIZED BY <b>P. D. BRAUN</b>	DATE 10-12-90
					FOR DOE	DATE
					FOR SHIPPING OPERATION	DATE

1-ACCOUNTS PAYABLE COPY  
3-PROPERTY MANAGEMENT COPY  
5-PACKING LIST COPY  
7-CUSTODIAN COPY-2

2-BUYER'S COPY  
4-SHIPMENT COPY  
6-CUSTODIAN COPY-1  
8-PURCHASING COPY

5  
5-1



Pacific Northwest Laboratories  
Richland, Washington

CHAIN OF CUSTODY

CAB 032

Company Contact: CHARLES A. BRANDT Telephone: 376-5345

Samples Collected by: NA Date: \_\_\_\_\_ Time: \_\_\_\_\_

Sample Location: NA

Ice Chest No.: NA Field Logbook Page No.: \_\_\_\_\_

Remarks: ISOTOPIC URANIUM SPLITS

Method of Shipment: HAND CARRY

Sample Identification

New Number	Parent Number						
X/B00B98	ASP6022	✓B00B35	ASP6029 X	X/B00BCL6	ASP6040	✓B00B67	B00997 X
X/B00B95	ASP6019	✓B00B36	ASP6030 X	X/B00BCL7	ASP6041	✓B00B68	B00998 X
X/B00B97	ASP6021	✓B00B37	ASP6031 X	X/B00BCL8	ASP6042	✓B00B69	B00999 X
X/B00BD3	ASP6047	✓B00B38	ASP6032 X	X/B00BCL9	ASP6043	✓B00BH0	B009B0 X
X/B00BD4	ASP6048	✓B00B39	ASP6033 X	X/B00BD0	ASP6044	✓B00BH1	B009B1 X
X/B00BPO	B00BK6	✓B00BC0	ASP6034 X	X/B00BD1	ASP6045	✓B00BH2	B009B2 X
X/B00BP1	B00BK7	✓B00BC1	ASP6035 X	X/B00BD2	ASP6046	✓B00BH3	B009B3 X
X/B00BF9	B00989	✓B00BC2	ASP6036 X	X/B00B63	B00993	✓B00BD5	B00975 X
X/B00BG0	B00990	✓B00BC3	ASP6037 X	X/B00B64	B00994	✓B00BD6	B00976 X
X/B00BG1	B00991	✓B00BC4	ASP6038 X	X/B00B65	B00995	✓B00BD8	B00978 X
X/B00BG2	B00992	✓B00BC5	ASP6039 X	X/B00B66	B00996	✓B00BD7	B00977 X

Chain of Possession

Relinquished by: R.J. Fullers

Received by: Gordon Blewett

Date/Time: 10/17/90 11:0 AM

Relinquished by: \_\_\_\_\_

Received by: A. Rick SATC

Date/Time: 10/18/90 - 1030

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_

Date/Time: \_\_\_\_\_



\*\*\* SAMPLE ANALYSIS REQUEST SHEET \*\*\*

Please Follow Instructions On Back

Purchase Order MPB-SVV-069146  
Turnaround      14 day      30 day   X   45 day

Plant Sample ID	<u>See attached sheets</u>			
Unit #	<u>    </u>			
Sample Type	<u>special</u>			
Sample Sub-Type	<u>solid</u>			
Reference Date	<u>see attached sheets</u>			
Filter Volume	<u>    </u>			

Gamma Isotopic				
Gross Alpha				
Gross Beta				
H-3				
C-14				
P-32				
Fe-55				
Ni-59				
Ni-63				
Sr-89/90				
Nb-94				
Tc-99				
I-129				
Transuranics				
Ce-144				
Pu-241				
U-234/235/238	<u>  X  </u>			

Return Container   X   Yes      No  
Scaling Factors      Yes   X   No  
Mixed Waste      Yes   X   No

Contact Person R.A. Bechtold  
Telephone (509) 373-3148

Comments plus total uranium per  
SAIC procedure # SAIC-139-5-235

U #	Site #	Parent #	Stratum	Sample Date	Sample Type
B00BJ8	19816	B009C8	300 Downriver	05/21/90	Asparagus
B00BJ7	19817	B009C7	300 Downriver	05/21/90	Asparagus
B00BJ6	19818	B009C6	300 Downriver	05/21/90	Asparagus
B00BJ9	19819	B009C9	300 Downriver	05/21/90	Asparagus
B00BJ5	19820-21	B009C5	300 Downriver	05/21/90	Asparagus
B00BK0	19822	B009D0	300 Downriver	05/25/90	Asparagus
B00BH4	19823	B009B4	Benton City	05/14/90	Asparagus
B00BH5	19824	B009B5	Benton City	05/14/90	Asparagus
B00BH6	19825	B009B6	Benton City	05/14/90	Asparagus
B00BH7	19826	B009B7	Benton City	05/14/90	Asparagus
B00BH8	19827	B009B8	Benton City	05/14/90	Asparagus
B00BF4	19828	B00984	Downriver	05/07/90	Asparagus
B00BF3	19829	B00983	Downriver	05/07/90	Asparagus
B00BF2	19830-31	B00982	Downriver	05/07/90	Asparagus
B00BF1	19832	B00981	Downriver	05/07/90	Asparagus
B00BF0	19833	B00980	Downriver	05/07/90	Asparagus
B00BD9	19834	B00979	Downriver	05/07/90	Asparagus
B00BJ4	19835	B009C4	Downriver	05/21/90	Asparagus
B00B99	19836	ASPG023	Hanford Townsite	04/24/90	Asparagus
B00BB0	19837	ASPG024	Hanford Townsite	04/24/90	Asparagus
B00BB1	19838	ASPG025	Hanford Townsite	04/24/90	Asparagus
B00BB2	19839	ASPG026	Hanford Townsite	04/24/90	Asparagus
B00BB3	19840-41	ASPG027	Hanford Townsite	04/24/90	Asparagus
B00BB4	19842	ASPG028	Hanford Townsite	04/24/90	Asparagus
B00BJ2	19843	B009C2	Operable Unit	05/14/90	Asparagus
B00BJ3	19844	B009C3	Operable Unit	05/14/90	Asparagus
B00BK5	19845	B009D5	Operable Unit	05/25/90	Asparagus
B00BK4	19846	B009D4	Operable Unit	05/25/90	Asparagus
B00BK3	19847	B009D3	Operable Unit	05/25/90	Asparagus
B00BK2	19848	B009D2	Operable Unit	05/25/90	Asparagus
B00BK1	19849	B009D1	Operable Unit	05/25/90	Asparagus
B00CK7	19850-1	B009P7	Operable Unit	06/19/90	CHNA
B00CL1	19852	B009P8	Operable Unit	06/19/90	POSA
B00CK8	19853	B009P5	Operable Unit	06/19/90	CHNA
B00CK9	19854	B009P6	Operable Unit	06/19/90	POSA
B00CK6	19855	B009P3	Operable Unit	06/19/90	CHNA
B00CL3	19856	B009P4	Operable Unit	06/19/90	POSA
B00CK3	19858	B009P1	Operable Unit	06/19/90	CHNA
B00CL6	19858	B009P2	Operable Unit	06/19/90	POSA
B00CK4	19859	B009N9	Operable Unit	06/19/90	CHNA

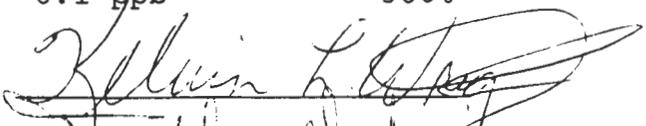
U #	Parent #	Stratum	Sample Date	Sample Type
B00CL4 19860-1	B009P0	Operable Unit	06/19/90	POSA
B00CK2 19862	B009N7	Operable Unit	06/19/90	CHNA
B00CL5 19863	B009N8	Operable Unit	06/19/90	POSA
B00B96 19864	ASPG020	South Plateau	04/20/90	Asparagus
B00B98 19865	ASPG022	South Plateau	04/20/90	Asparagus
B00B95 19866	ASPG019	South Plateau	04/20/90	Asparagus
B00B97 19867	ASPG021	South Plateau	04/20/90	Asparagus
B00BD3 19868	ASPG047	South Plateau	04/26/90	Asparagus
B00BD4 19869	ASPG048	South Plateau	04/26/90	Asparagus
B00BP0 19870-1	B00BK6	Operable Unit	06/19/90	Asparagus
B00BP1 19872	B00BK7	Operable Unit	06/19/90	Asparagus
B00BF9 19873	B00989	Sunnyside	05/08/90	Asparagus
B00BG0 19874	B00990	Sunnyside	05/08/90	Asparagus
B00BG1 19875	B00991	Toppenish	05/08/90	Asparagus
B00BG2 19876	B00992	Toppenish	05/08/90	Asparagus
B00BB5 19877	ASPG029	Taylor Flats	04/25/90	Asparagus
B00BB6 19878	ASPG030	Taylor Flats	04/25/90	Asparagus
B00BB7 19879	ASPG031	Taylor Flats	04/25/90	Asparagus
B00BB8 19880-1	ASPG032	Taylor Flats	04/25/90	Asparagus
B00BB9 19882	ASPG033	Taylor Flats	04/25/90	Asparagus
B00BC0 19883	ASPG034	Taylor Flats	04/25/90	Asparagus
B00BC1 19884	ASPG035	Taylor Flats	04/25/90	Asparagus
B00BC2 19885	ASPG036	Taylor Flats	04/25/90	Asparagus
B00BC3 19886	ASPG037	Taylor Flats	04/25/90	Asparagus
B00BC4 19887	ASPG038	Taylor Flats	04/25/90	Asparagus
B00BC5 19888	ASPG039-	Taylor Flats	04/25/90	Asparagus
B00BC6 19889	ASPG040	Taylor Flats	04/25/90	Asparagus
B00BC7 19890-1	ASPG041	Taylor Flats	04/25/90	Asparagus
B00BC8 19892	ASPG042	Taylor Flats	04/25/90	Asparagus
B00BC9 19893	ASPG043	Taylor Flats	04/25/90	Asparagus
B00BD0 19894	ASPG044	Taylor Flats	04/25/90	Asparagus
B00BD1 19895	ASPG045	Taylor Flats	04/25/90	Asparagus
B00BD2 19896	ASPG046	Taylor Flats	04/25/90	Asparagus
B00BG3 19897	B00993	Sunnyside	05/11/90	Asparagus
B00BG4 19898	B00994	Sunnyside	05/11/90	Asparagus
B00BG5 19899	B00995	Sunnyside	05/11/90	Asparagus
B00BG6 19900-1	B00996	Sunnyside	05/11/90	Asparagus
B00BG7 19902	B00997	Sunnyside	05/11/90	Asparagus
B00BG8 19903	B00998	Toppenish	05/11/90	Asparagus
B00BG9 19904	B00999	Toppenish	05/11/90	Asparagus

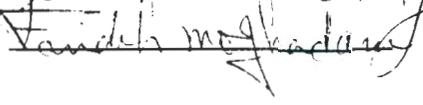
<i>U #</i>	<i>Parent #</i>	<i>Stratum</i>	<i>Sample Date</i>	<i>Sample Type</i>
B00BH0 19905	B009B0	Toppenish	05/11/90	Asparagus
B00BH1 19906	B009B1	Toppenish	05/11/90	Asparagus
B00BH2 19907	B009B2	Toppenish	05/11/90	Asparagus
B00BH3 19908	B009B3	Toppenish	05/11/90	Asparagus
B00BD5 19909	B00975	Upriver	05/03/90	Asparagus
B00BD6 19910-1	B00976	Upriver	05/03/90	Asparagus
B00BD8 19912	B00978	Upriver	05/03/90	Asparagus
B00BD7 19913	B00977	Upriver	05/03/90	Asparagus
B00BJ1 19914	B009C1	Upriver	05/14/90	Asparagus
B00BJ0 19915	B009C0	Upriver	05/14/90	Asparagus
B00BH9 19916	B009B9	Upriver	05/14/90	Asparagus
B00CK5 19917	B009P9	Upriver	06/20/90	CHNA
B00CL2 19918	B009Q0	Upriver	06/20/90	POSA
B00CK1 19919	B009Q1	Upriver	06/20/90	CHNA
B00CL0 19920-1	B009Q2	Upriver	06/20/90	POSA
B00BF8 19922	B00988	West	05/07/90	Asparagus
B00BF7 19923	B00987	West	05/07/90	Asparagus
B00BF5 19924	B00985	West	05/07/90	Asparagus
B00BF6 19925	B00986	West	05/07/90	Asparagus

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/20/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19865  
 Plant Sample No: B00B98  
 Volume/Weight: 1.1040E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 8.90E-02 pCi/g	100%
U-235	< 5.00E-02 pCi/g	100%
U-238	< 1.50E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

Laboratory Manager 

The data contained in this report were produced and documented in accordance with approved quality control and quality assurance procedures. All of the results are decay corrected to the reference date listed above. Indicated errors are two(2) standard deviations based on counting statistics only.

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/20/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19866  
 Plant Sample No: B00B95  
 Volume/Weight: 1.0099E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 2.20E-01 pCi/g	100%
U-235	< 1.00E-01 pCi/g	100%
U-238	< 9.60E-02 pCi/g	100%
Total U	0.3 ppb	300%

Project Manager

Laboratory Manager

*William L. [Signature]*  
*[Signature]*

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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/20/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19867  
 Plant Sample No: B00B97  
 Volume/Weight: 1.0119E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 8.10E-02 pCi/g	100%
U-235	< 3.70E-02 pCi/g	100%
U-238	< 3.20E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager

Laboratory Manager

The data contained in this report were produced and documented in accordance with approved quality control and quality assurance procedures. All of the results are decay corrected to the reference date listed above. Indicated errors are two(2) standard deviations based on counting statistics only.

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/26/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19868  
 Plant Sample No: B00BD3  
 Volume/Weight: 1.0119E+01 g (dry)  
 Purchase Order No: MPB-svv-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 1.20E-01 pCi/g	100%
U-235	< 5.20E-02 pCi/g	100%
U-238	< 4.60E-02 pCi/g	100%
Total U	0.2 ppb	300%

Project Manager

Laboratory Manager

*[Handwritten signature of William L. Hagg]*  
*[Handwritten signature of Sandra M. Hagg]*

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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/26/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19869  
 Plant Sample No: B00BD4  
 Volume/Weight: 1.0797E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 9.10E-02 pCi/g	100%
U-235	< 4.20E-02 pCi/g	100%
U-238	< 5.80E-03 pCi/g	100%
Total U	0.0 ppb	300%

Project Manager

Laboratory Manager

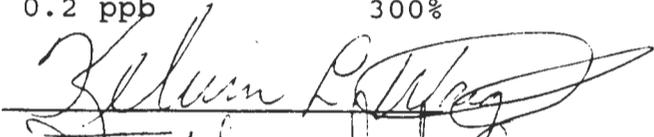
*K. L. ...*  
*F. ...*

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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 06/19/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19870  
 Plant Sample No: B00BP0  
 Volume/Weight: 1.0295E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 2.20E-01 pCi/g	100%
U-235	< 3.80E-02 pCi/g	100%
U-238	< 6.10E-02 pCi/g	100%
Total U	0.2 ppb	300%

Project Manager 

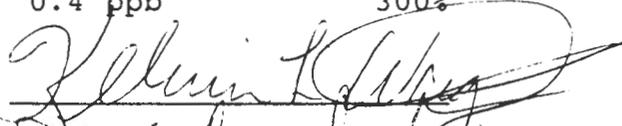
Laboratory Manager 

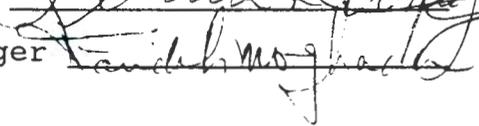
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 06/19/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19871  
 Plant Sample No: Duplicate B00BP1 (19872)  
 Volume/Weight: 1.0112E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 8.10E-02 pCi/g	100%
U-235	< 6.00E-02 pCi/g	100%
U-238	< 1.10E-01 pCi/g	100%
Total U	0.4 ppb	300%

Project Manager 

Laboratory Manager 

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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 06/19/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19872  
 Plant Sample No: B00BP1  
 Volume/Weight: 1.0112E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 1.10E-01 pCi/g	100%
U-235	< 3.70E-02 pCi/g	100%
U-238	< 3.70E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager

Laboratory Manager

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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/08/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19873  
 Plant Sample No: B00BF9  
 Volume/Weight: 1.0919E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 1.20E-01 pCi/g	100%
U-235	< 3.90E-02 pCi/g	100%
U-238	< 7.00E-02 pCi/g	100%
Total U	0.2 ppb	300%

Project Manager

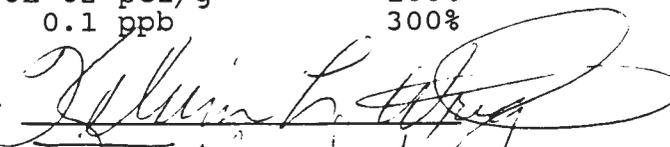
Laboratory Manager

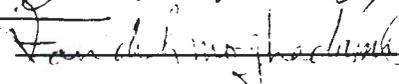
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/08/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19874  
 Plant Sample No: B00BGO  
 Volume/Weight: 1.0556E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 6.00E-02 pCi/g	100%
U-235	< 4.40E-02 pCi/g	100%
U-238	< 2.40E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

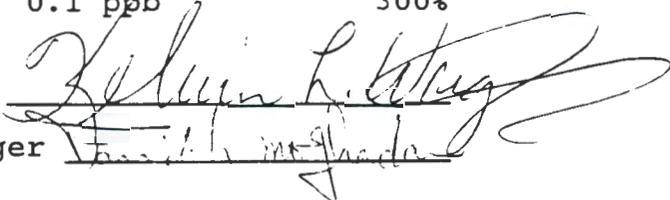
Laboratory Manager 

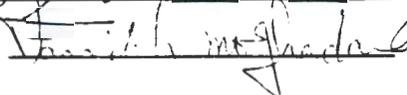
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/08/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19875  
 Plant Sample No: B00BG1  
 Volume/Weight: 1.0312E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 7.70E-02 pCi/g	100%
U-235	< 2.70E-02 pCi/g	100%
U-238	< 1.80E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

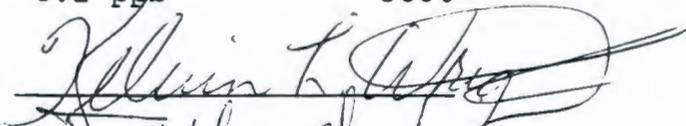
Laboratory Manager 

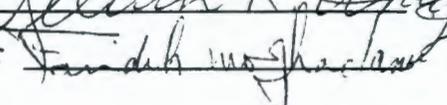
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/08/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19876  
 Plant Sample No: B00BG2  
 Volume/Weight: 9.8684E+00 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 7.40E-02 pCi/g	100%
U-235	< 2.70E-02 pCi/g	100%
U-238	< 5.90E-02 pCi/g	100%
Total U	0.2 ppb	300%

Project Manager 

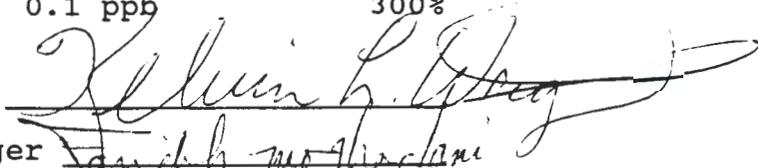
Laboratory Manager 

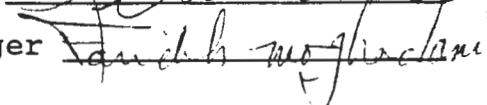
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19877  
 Plant Sample No: B00BB5  
 Volume/Weight: 1.0312E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 4.30E-02 pCi/g	100%
U-235	< 2.70E-02 pCi/g	100%
U-238	< 2.30E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

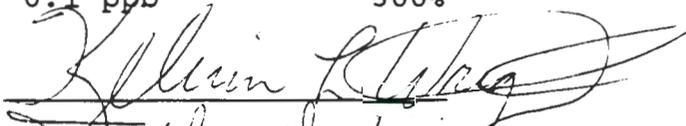
Laboratory Manager 

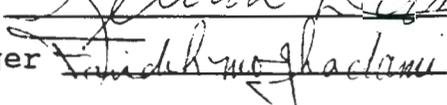
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19878  
 Plant Sample No: B00BB6  
 Volume/Weight: 1.1159E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 2.20E-01 pCi/g	100%
U-235	< 2.70E-02 pCi/g	100%
U-238	< 2.20E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

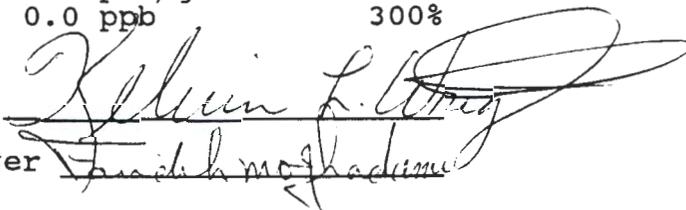
Laboratory Manager 

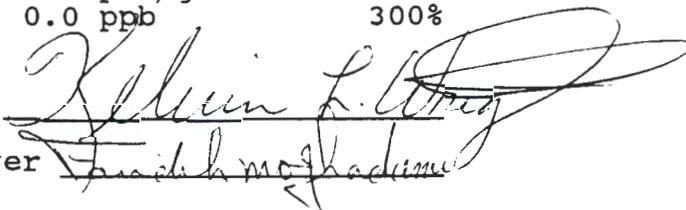
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19879  
 Plant Sample No: B00BB7  
 Volume/Weight: 1.0793E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 6.30E-02 pCi/g	100%
U-235	< 2.00E-02 pCi/g	100%
U-238	< 1.20E-02 pCi/g	100%
Total U	0.0 ppb	300%

Project Manager 

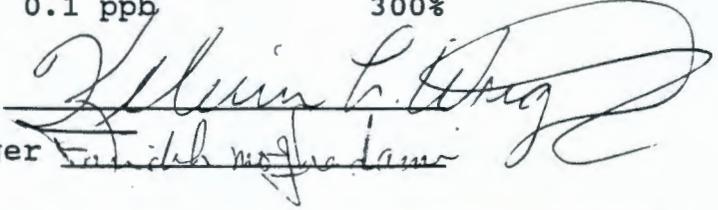
Laboratory Manager 

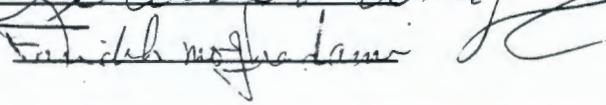
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19880  
 Plant Sample No: B00BB8  
 Volume/Weight: 1.0696E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 5.60E-02 pCi/g	100%
U-235	< 3.30E-02 pCi/g	100%
U-238	< 2.60E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

Laboratory Manager 

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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19881  
 Plant Sample No: DUPLICATE B00BB5 (19877)  
 Volume/Weight: 1.0312E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 9.90E-01 pCi/g	100%
U-235	5.38E-01 pCi/g	63%
U-238	< 1.90E-01 pCi/g	100%
Total U	36.4 ppb	263%

Project Manager

Laboratory Manager

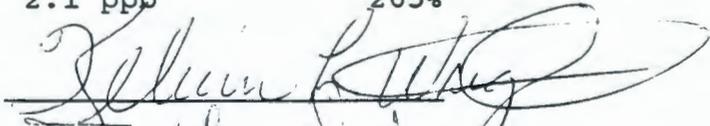
*Kellie L. Street*  
*Fandeh Maghadam*

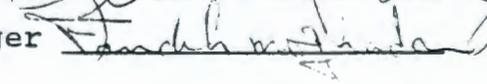
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19882  
 Plant Sample No: B00BB9  
 Volume/Weight: 1.0696E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 1.10E-01 pCi/g	100%
U-235	2.93E-02 pCi/g	65%
U-238	< 3.30E-02 pCi/g	100%
Total U	2.1 ppb	265%

Project Manager 

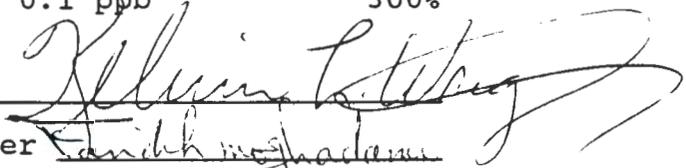
Laboratory Manager 

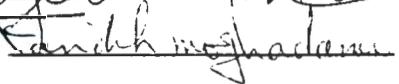
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19883  
 Plant Sample No: B00BC0  
 Volume/Weight: 1.0635E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 6.70E-02 pCi/g	100%
U-235	< 3.90E-02 pCi/g	100%
U-238	< 1.80E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

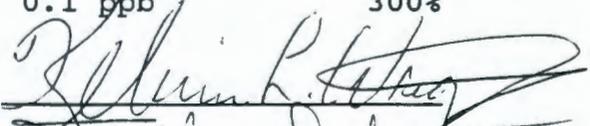
Laboratory Manager 

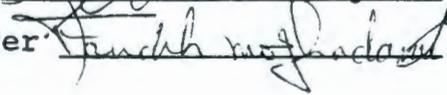
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19884  
 Plant Sample No: B00BC1  
 Volume/Weight: 1.1012E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 5.50E-02 pCi/g	100%
U-235	< 4.60E-02 pCi/g	100%
U-238	< 1.40E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

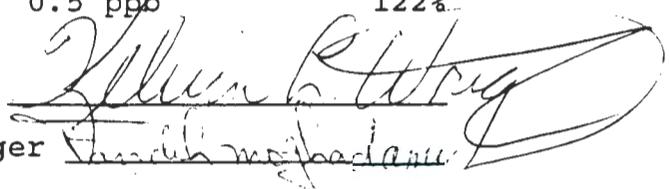
Laboratory Manager 

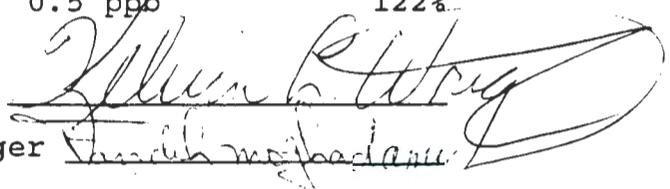
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19885  
 Plant Sample No: B00BC2  
 Volume/Weight: 1.0953E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	1.04E-01 pCi/g	60%
U-235	< 3.00E-02 pCi/g	100%
U-238	< 5.60E-02 pCi/g	100%
Total U	0.5 ppb	122%

Project Manager 

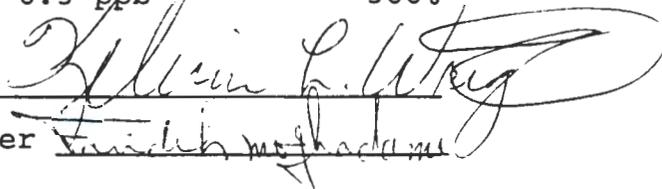
Laboratory Manager 

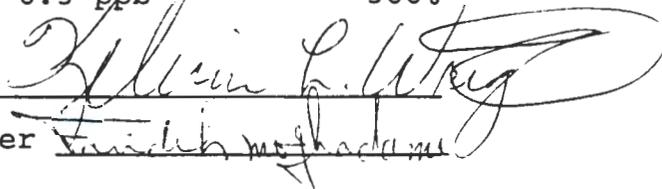
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19886  
 Plant Sample No: B00BC3  
 Volume/Weight: 1.0993E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 1.40E-01 pCi/g	100%
U-235	< 8.90E-02 pCi/g	100%
U-238	< 8.20E-02 pCi/g	100%
Total U	0.3 ppb	300%

Project Manager 

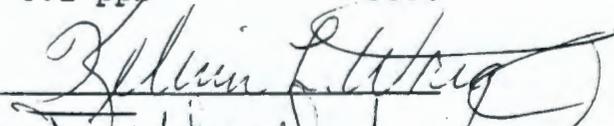
Laboratory Manager 

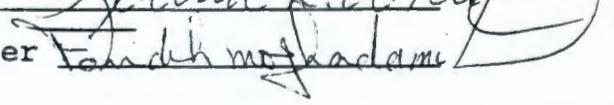
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19887  
 Plant Sample No: B00BC4  
 Volume/Weight: 9.5329E+00 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 6.00E-02 pCi/g	100%
U-235	< 3.20E-02 pCi/g	100%
U-238	< 2.40E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

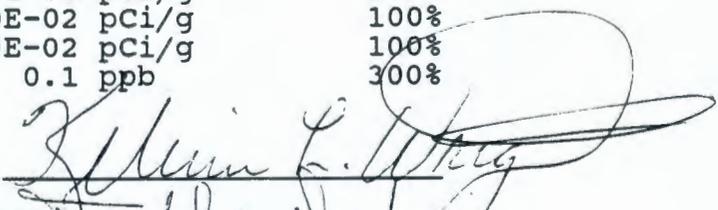
Laboratory Manager 

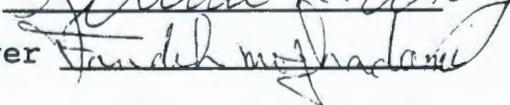
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19888  
 Plant Sample No: B00BC5  
 Volume/Weight: 1.0725E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 9.20E-02 pCi/g	100%
U-235	< 4.80E-02 pCi/g	100%
U-238	< 2.90E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

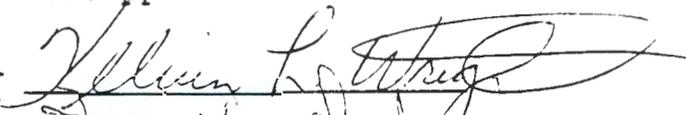
Laboratory Manager 

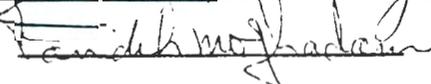
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19889  
 Plant Sample No: B00BC6  
 Volume/Weight: 1.1115E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 9.00E-02 pCi/g	100%
U-235	< 2.60E-02 pCi/g	100%
U-238	< 8.00E-03 pCi/g	100%
Total U	0.0 ppb	300%

Project Manager 

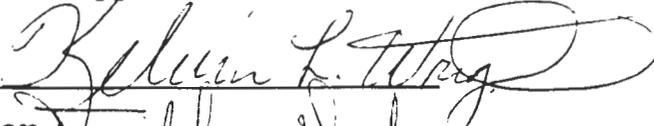
Laboratory Manager 

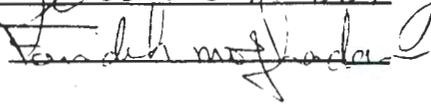
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19890  
 Plant Sample No: B00BC7  
 Volume/Weight: 1.0920E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 3.80E-02 pCi/g	100%
U-235	< 1.10E-02 pCi/g	100%
U-238	< 2.60E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

Laboratory Manager 

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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19891  
 Plant Sample No: DUPLICATE B00BC6 (19889)  
 Volume/Weight: 1.1115E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 1.30E-01 pCi/g	100%
U-235	< 9.10E-02 pCi/g	100%
U-238	< 1.20E-01 pCi/g	100%
Total U	0.4 ppb	300%

Project Manager

Laboratory Manager

*Kellum L. Grogan*  
*Fanick M. Ghadami*

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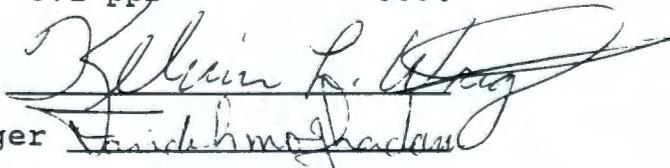
SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19892  
 Plant Sample No: B00BC8  
 Volume/Weight: 1.0555E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 6.20E-02 pCi/g	100%
U-235	< 1.60E-02 pCi/g	100%
U-238	< 3.30E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager

Laboratory Manager

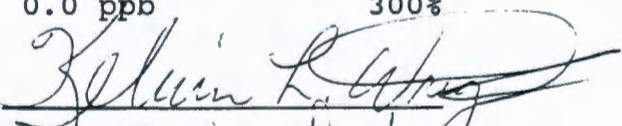


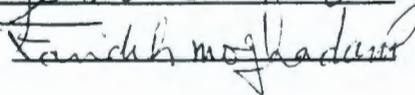
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19893  
 Plant Sample No: B00BC9  
 Volume/Weight: 1.0581E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 4.30E-02 pCi/g	100%
U-235	< 3.50E-02 pCi/g	100%
U-238	< 1.10E-02 pCi/g	100%
Total U	0.0 ppb	300%

Project Manager 

Laboratory Manager 

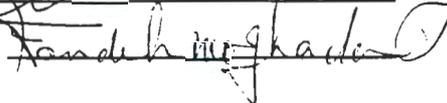
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19894  
 Plant Sample No: B00BD0  
 Volume/Weight: 1.0333E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 3.80E-01 pCi/g	100%
U-235	< 1.70E-01 pCi/g	100%
U-238	< 1.20E-01 pCi/g	100%
Total U	0.4 ppb	300%

Project Manager 

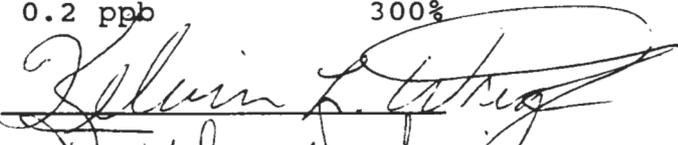
Laboratory Manager 

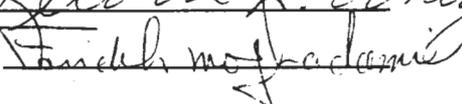
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19895  
 Plant Sample No: B00BD1  
 Volume/Weight: 1.2153E+01 g (dry)  
 Purchase Order No: MPB-SVY-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 1.20E-01 pCi/g	100%
U-235	< 2.60E-02 pCi/g	100%
U-238	< 5.00E-02 pCi/g	100%
Total U	0.2 ppb	300%

Project Manager 

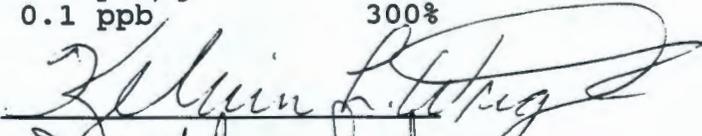
Laboratory Manager 

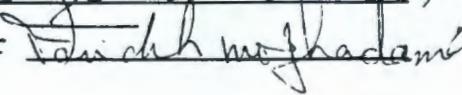
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 04/25/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19896  
 Plant Sample No: B00BD2  
 Volume/Weight: 1.0743E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 8.70E-02 pCi/g	100%
U-235	< 2.90E-02 pCi/g	100%
U-238	< 4.00E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

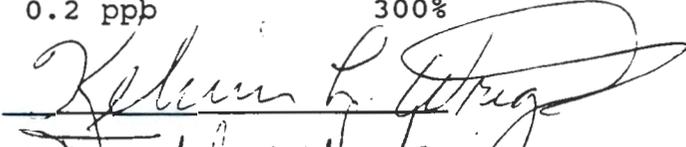
Laboratory Manager 

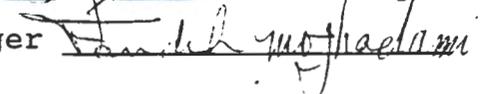
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/11/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19897  
 Plant Sample No: B00BG3  
 Volume/Weight: 1.0472E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 7.70E-02 pCi/g	100%
U-235	< 5.90E-02 pCi/g	100%
U-238	< 5.20E-02 pCi/g	100%
Total U	0.2 ppb	300%

Project Manager 

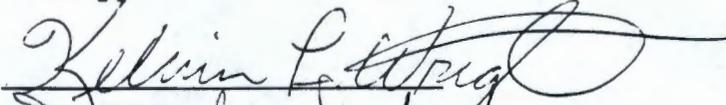
Laboratory Manager 

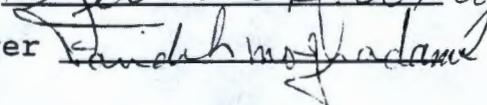
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/11/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19898  
 Plant Sample No: B00BG4  
 Volume/Weight: 1.1006E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 6.80E-02 pCi/g	100%
U-235	< 6.80E-02 pCi/g	100%
U-238	< 2.80E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

Laboratory Manager 

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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/11/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19899  
 Plant Sample No: B00BG5  
 Volume/Weight: 1.1121E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 1.60E-01 pCi/g	100%
U-235	< 6.40E-02 pCi/g	100%
U-238	< 6.40E-02 pCi/g	100%
Total U	0.2 ppb	300%

Project Manager

Laboratory Manager

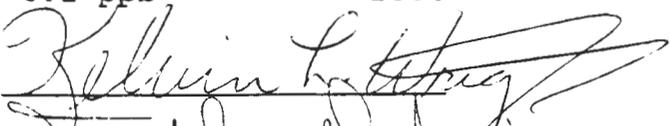
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*[Signature]*

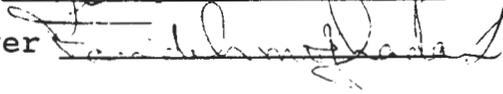
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/11/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19900  
 Plant Sample No: BOOBG6  
 Volume/Weight: 1.0934E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 7.00E-02 pCi/g	100%
U-235	< 4.80E-02 pCi/g	100%
U-238	3.80E-02 pCi/g	60%
Total U	0.1 ppb	260%

Project Manager 

Laboratory Manager 

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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/11/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19901  
 Plant Sample No: DUPLICATE B00BH2 (19907)  
 Volume/Weight: 1.0788E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 1.60E-01 pCi/g	100%
U-235	< 1.10E-01 pCi/g	100%
U-238	< 7.00E-02 pCi/g	100%
Total U	0.3 ppb	300%

Project Manager

Laboratory Manager

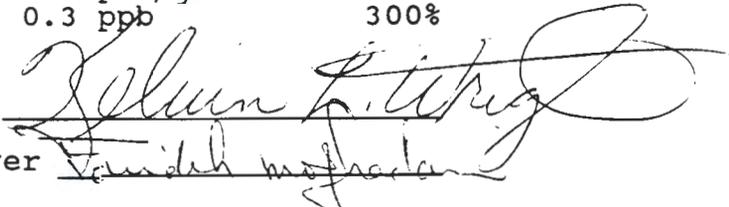
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*[Handwritten Signature]*

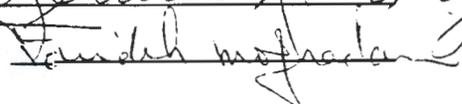
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/11/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19902  
 Plant Sample No: B00BG7  
 Volume/Weight: 1.0325E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 1.50E-01 pCi/g	100%
U-235	< 8.20E-02 pCi/g	100%
U-238	< 7.40E-02 pCi/g	100%
Total U	0.3 ppb	300%

Project Manager 

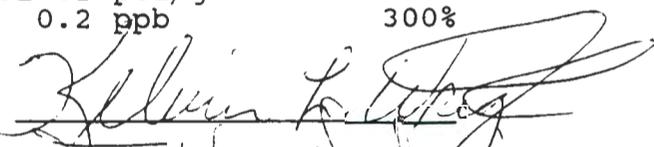
Laboratory Manager 

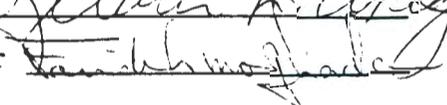
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/11/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19903  
 Plant Sample No: B00BG8  
 Volume/Weight: 1.1242E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 3.70E-02 pCi/g	100%
U-235	< 5.60E-02 pCi/g	100%
U-238	< 5.00E-02 pCi/g	100%
Total U	0.2 ppb	300%

Project Manager 

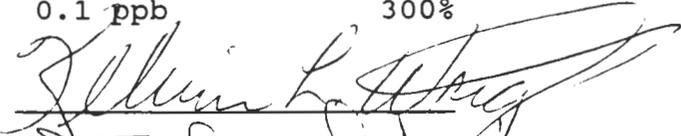
Laboratory Manager 

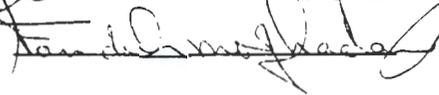
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/11/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19904  
 Plant Sample No: B00BG9  
 Volume/Weight: 1.0458E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 1.10E-01 pCi/g	100%
U-235	< 5.50E-02 pCi/g	100%
U-238	< 3.10E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

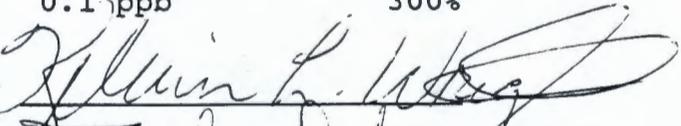
Laboratory Manager 

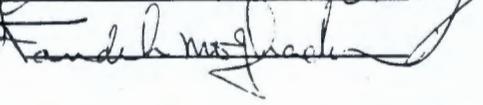
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/11/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19905  
 Plant Sample No: B00BH0  
 Volume/Weight: 1.0810E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 2.50E-02 pCi/g	100%
U-235	< 2.50E-02 pCi/g	100%
U-238	< 3.60E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

Laboratory Manager 

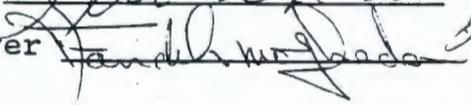
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/11/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19906  
 Plant Sample No: B00BH1  
 Volume/Weight: 1.1282E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 6.70E-02 pCi/g	100%
U-235	< 6.10E-02 pCi/g	100%
U-238	< 2.80E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

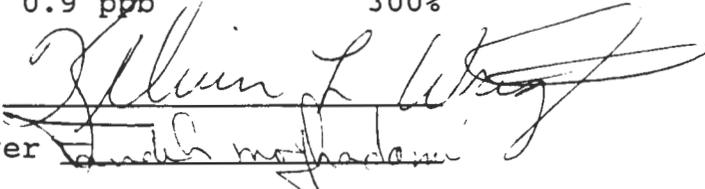
Laboratory Manager 

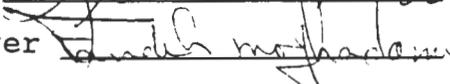
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/11/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19907  
 Plant Sample No: B00BH2  
 Volume/Weight: 1.0788E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 5.00E-01 pCi/g	100%
U-235	< 2.30E-01 pCi/g	100%
U-238	< 2.60E-01 pCi/g	100%
Total U	0.9 ppb	300%

Project Manager 

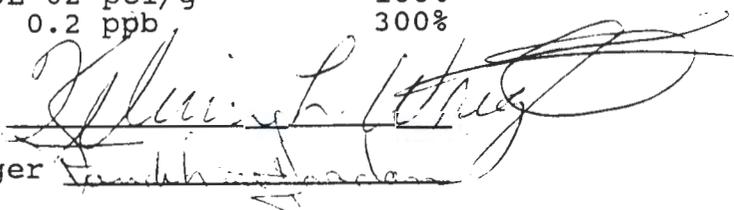
Laboratory Manager 

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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/11/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19908  
 Plant Sample No: B00BH3  
 Volume/Weight: 1.0452E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 1.20E-01 pCi/g	100%
U-235	< 4.40E-02 pCi/g	100%
U-238	< 6.30E-02 pCi/g	100%
Total U	0.2 ppb	300%

Project Manager 

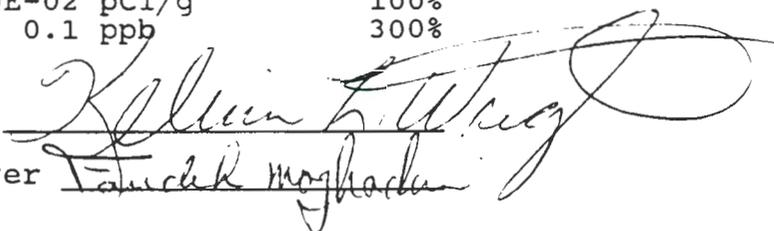
Laboratory Manager 

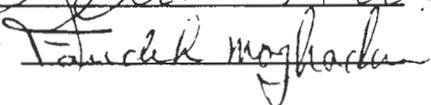
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/03/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19909  
 Plant Sample No: B00BD5  
 Volume/Weight: 1.0280E+01 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 9.30E-02 pCi/g	100%
U-235	< 6.90E-02 pCi/g	100%
U-238	< 1.50E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager 

Laboratory Manager 

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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/03/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19910  
 Plant Sample No: B00BD6  
 Volume/Weight: 9.9845E+00 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 6.50E-02 pCi/g	100%
U-235	< 3.20E-02 pCi/g	100%
U-238	< 3.10E-02 pCi/g	100%
Total U	0.1 ppb	300%

Project Manager

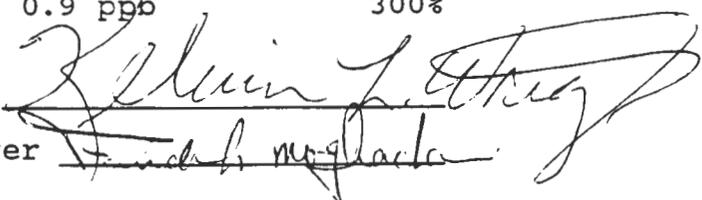
Laboratory Manager

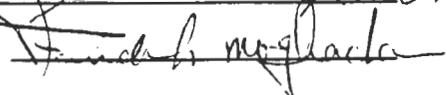
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 06/20/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19911  
 Plant Sample No: DUPLICATE B00CK5 (19917)  
 Volume/Weight: 4.6338E+00 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 4.70E-01 pCi/g	100%
U-235	< 3.30E-01 pCi/g	100%
U-238	< 2.60E-01 pCi/g	100%
Total U	0.9 ppb	300%

Project Manager 

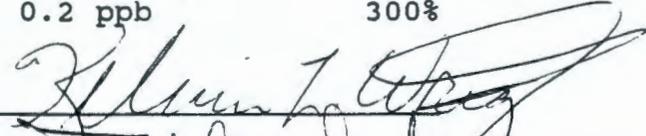
Laboratory Manager 

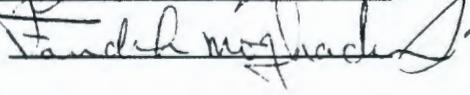
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/03/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19912  
 Plant Sample No: B00BD8  
 Volume/Weight: 9.4208E+00 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 7.60E-02 pCi/g	100%
U-235	< 6.20E-02 pCi/g	100%
U-238	< 4.20E-02 pCi/g	100%
Total U	0.2 ppb	300%

Project Manager 

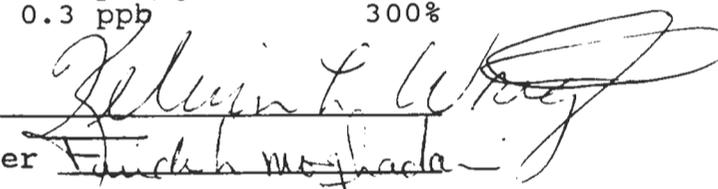
Laboratory Manager 

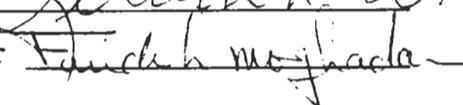
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SCIENCE APPLICATIONS INTERNATIONAL CORPORATION  
TOTAL URANIUM SAMPLE ANALYSIS REPORT

Plant Name: Westinghouse Hanford  
 Sample Type: Asparagus  
 Reference Date: 05/03/90  
 Receipt Date: 10/19/90  
 Reporting Date: 12/07/90  
 SAIC Sample No: 19913  
 Plant Sample No: B00BD7  
 Volume/Weight: 9.5175E+00 g (dry)  
 Purchase Order No: MPB-SVV-069146  
 SAIC Project No: 1-139-05-656

	Measured Amount Value	Unc.
U-234	< 1.40E-01 pCi/g	100%
U-235	< 1.20E-01 pCi/g	100%
U-238	< 8.80E-02 pCi/g	100%
Total U	0.3 ppb	300%

Project Manager 

Laboratory Manager 

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