

Eberline Services
W.O. No. R2-02-026-7797

Bechtel Hanford Inc.
SDG H1694

Case Narrative

RECEIVED
JUN 10 2002

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EDMC

1.0 GENERAL

Bechtel Hanford Inc. (BHI) Sample Delivery Group H1694 was composed of twenty-four solid (soil) samples designated under SAF No. B00-029 with a Project Designation of: 100 F Area – Quick Turn.

The samples were received as stated on the Chain-of-Custody documents. Any discrepancies are noted on the Eberline Services Sample Receipt Checklist. The results were transmitted to BHI via e-Fax on February 11, 2002. The electronic data deliverable (EDD) was transmitted by e-mail to BHI on February 11, 2002.

2.0 ANALYSIS NOTES

2.1 Gamma Screen Analyses

No problems were encountered during the course of the analyses.

Case Narrative Certification Statement

"I certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data obtained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature."

Melissa C. Mannion
Melissa C. Mannion
Program Manager

2/12/02
Date

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP H1694

SDG 7797

Contact Melissa C. Mannion

SAMPLE SUMMARY

Client Hanford

Contract No. 630

Case no SDG H1694

CLIENT SAMPLE ID	LOCATION	MATRIX	LEVEL	LAB SAMPLE ID	SAF NO	CHAIN OF CUSTODY	COLLECTED
B14179	100-F-2	SOLID		R202026-01	B00-029	B00-029-188	02/05/02 09:31
B14180	100-F-2	SOLID		R202026-02	B00-029	B00-029-188	02/05/02 09:32
B14181	100-F-2	SOLID		R202026-03	B00-029	B00-029-188	02/05/02 09:33
B14182	100-F-2	SOLID		R202026-04	B00-029	B00-029-188	02/05/02 09:34
B14183	100-F-2	SOLID		R202026-05	B00-029	B00-029-188	02/05/02 09:38
B14184	100-F-2	SOLID		R202026-06	B00-029	B00-029-188	02/05/02 09:36
B14185	100-F-2	SOLID		R202026-07	B00-029	B00-029-188	02/05/02 09:30
B14186	100-F-2	SOLID		R202026-08	B00-029	B00-029-188	02/05/02 09:34
B14187	100-F-2	SOLID		R202026-09	B00-029	B00-029-188	02/05/02 09:37
B14188	100-F-2	SOLID		R202026-10	B00-029	B00-029-188	02/05/02 09:40
B14189	100-F-2	SOLID		R202026-11	B00-029	B00-029-188	02/05/02 09:42
B14190	100-F-2	SOLID		R202026-12	B00-029	B00-029-188	02/05/02 09:44
B14191	100-F-2	SOLID		R202026-13	B00-029	B00-029-188	02/05/02 09:46
B14192	100-F-2	SOLID		R202026-14	B00-029	B00-029-188	02/05/02 09:45
B14193	100-F-2	SOLID		R202026-15	B00-029	B00-029-188	02/05/02 09:48
B14194	100-F-2	SOLID		R202026-16	B00-029	B00-029-188	02/05/02 09:44
B14195	100-F-2	SOLID		R202026-17	B00-029	B00-029-188	02/05/02 09:43
B14196	100-F-2	SOLID		R202026-18	B00-029	B00-029-188	02/05/02 09:42
B14197	100-F-2	SOLID		R202026-19	B00-029	B00-029-188	02/05/02 09:45
B14198	100-F-2	SOLID		R202026-20	B00-029	B00-029-188	02/05/02 09:47
B14199	100-F-2	SOLID		R202026-21	B00-029	B00-029-188	02/05/02 09:49
B14180	100-F-2	SOLID		R202026-22	B00-029	B00-029-188	02/05/02 09:51
B14181	100-F-2	SOLID		R202026-23	B00-029	B00-029-188	02/05/02 09:53
B14182	100-F-2	SOLID		R202026-24	B00-029	B00-029-188	02/05/02 09:55
Method Blank		SOLID		R202026-25	B00-029		

SAMPLE SUMMARY

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Lab id TMANC

Protocol Hanford

Version Ver 1.0

Form DVD-CS

Version 3.06

Report date 02/12/02

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP H1694

SDG 7797

Contact Melissa C. Mannion

QC SUMMARY

Client HanfordContract No. 630Case no SDG H1694

QC BATCH	CHAIN OF CUSTODY	CLIENT SAMPLE ID	MATRIX	% SOLIDS	SAMPLE AMOUNT	BASIS AMOUNT	DAYS SINCE RECEIVED	LAB COLL SAMPLE ID	DEPARTMENT SAMPLE ID
7797	B00-029-188	B14179	SOLID	100.0	713.5 g		02/07/02 2	R202026-01	7797-001
		B14180	SOLID	100.0	858.5 g		02/07/02 2	R202026-02	7797-002
		B14181	SOLID	100.0	761.9 g		02/07/02 2	R202026-03	7797-003
		B14182	SOLID	100.0	764.8 g		02/07/02 2	R202026-04	7797-004
		B14183	SOLID	100.0	737.0 g		02/07/02 2	R202026-05	7797-005
		B14184	SOLID	100.0	823.8 g		02/07/02 2	R202026-06	7797-006
		B14185	SOLID	100.0	763.4 g		02/07/02 2	R202026-07	7797-007
		B14186	SOLID	100.0	905.1 g		02/07/02 2	R202026-08	7797-008
		B14187	SOLID	100.0	915.0 g		02/07/02 2	R202026-09	7797-009
		B14188	SOLID	100.0	880.9 g		02/07/02 2	R202026-10	7797-010
		B14189	SOLID	100.0	975.9 g		02/07/02 2	R202026-11	7797-011
		B14190	SOLID	100.0	773.1 g		02/07/02 2	R202026-12	7797-012
		B14191	SOLID	100.0	831.3 g		02/07/02 2	R202026-13	7797-013
		B14192	SOLID	100.0	916.7 g		02/07/02 2	R202026-14	7797-014
		B14193	SOLID	100.0	887.2 g		02/07/02 2	R202026-15	7797-015
		B14194	SOLID	100.0	898.0 g		02/07/02 2	R202026-16	7797-016
		B14195	SOLID	100.0	924.0 g		02/07/02 2	R202026-17	7797-017
		B14196	SOLID	100.0	622.5 g		02/07/02 2	R202026-18	7797-018
		B14197	SOLID	100.0	752.7 g		02/07/02 2	R202026-19	7797-019
		B14198	SOLID	100.0	808.1 g		02/07/02 2	R202026-20	7797-020
		B14199	SOLID	100.0	832.8 g		02/07/02 2	R202026-21	7797-021
		B14180	SOLID	100.0	742.1 g		02/07/02 2	R202026-22	7797-022
		B14181	SOLID	100.0	766.3 g		02/07/02 2	R202026-23	7797-023
		B14182	SOLID	100.0	827.8 g		02/07/02 2	R202026-24	7797-024
		Method Blank	SOLID					R202026-25	7797-025

QC SUMMARY

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EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP H1694

SDG 7797
Contact Melissa C. Mannion

PREP BATCH SUMMARY

Client Hanford
Contract No. 630
Case no SDG H1694

TEST	MATRIX	METHOD	PREPARATION ERROR		PLANCHETS ANALYZED				QUALIFIERS	
			BATCH	2σ %	CLIENT	MORE	RE	BLANK		LCS
Gamma Spectroscopy										
GAM	SOLID	Gamma Scan	6952-200	15.0	24			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.

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP H1694

WORK SUMMARY

SDG 7797

Contact Melissa C. Mannion

Client Hanford

Contract No. 630

Case no SDG H1694

CLIENT SAMPLE ID			LAB SAMPLE ID			SUF-				
LOCATION		MATRIX	COLLECTED		TEST	FIX	ANALYZED	REVIEWED	BY	METHOD
CUSTODY	SAF No		RECEIVED	PLANCHET						
B14179			R202026-01	7797-001	GAM		02/08/02	02/11/02	MCM	Gamma Scan
100-F-2		SOLID	02/05/02							
B00-029-188	B00-029		02/07/02							
B14180			R202026-02	7797-002	GAM		02/08/02	02/11/02	MCM	Gamma Scan
100-F-2		SOLID	02/05/02							
B00-029-188	B00-029		02/07/02							
B14181			R202026-03	7797-003	GAM		02/08/02	02/11/02	MCM	Gamma Scan
100-F-2		SOLID	02/05/02							
B00-029-188	B00-029		02/07/02							
B14182			R202026-04	7797-004	GAM		02/08/02	02/11/02	MCM	Gamma Scan
100-F-2		SOLID	02/05/02							
B00-029-188	B00-029		02/07/02							
B14183			R202026-05	7797-005	GAM		02/08/02	02/11/02	MCM	Gamma Scan
100-F-2		SOLID	02/05/02							
B00-029-188	B00-029		02/07/02							
B14184			R202026-06	7797-006	GAM		02/08/02	02/11/02	MCM	Gamma Scan
100-F-2		SOLID	02/05/02							
B00-029-188	B00-029		02/07/02							
B14185			R202026-07	7797-007	GAM		02/08/02	02/11/02	MCM	Gamma Scan
100-F-2		SOLID	02/05/02							
B00-029-188	B00-029		02/07/02							
B14186			R202026-08	7797-008	GAM		02/08/02	02/11/02	MCM	Gamma Scan
100-F-2		SOLID	02/05/02							
B00-029-188	B00-029		02/07/02							
B14187			R202026-09	7797-009	GAM		02/08/02	02/11/02	MCM	Gamma Scan
100-F-2		SOLID	02/05/02							
B00-029-188	B00-029		02/07/02							
B14188			R202026-10	7797-010	GAM		02/08/02	02/11/02	MCM	Gamma Scan
100-F-2		SOLID	02/05/02							
B00-029-188	B00-029		02/07/02							

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Lab id TMANC

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EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP H1694

SDG 7797
Contact Melissa C. Mannion

WORK SUMMARY, cont.

Client Hanford
Contract No. 630
Case no SDG H1694

CLIENT SAMPLE ID		LAB SAMPLE ID								
LOCATION	MATRIX	COLLECTED		SUF-						
CUSTODY	SAF No	RECEIVED	PLANCHET	TEST	FIX	ANALYZED	REVIEWED	BY	METHOD	
B14189		R202026-11	7797-011	GAM		02/08/02	02/11/02	MCM	Gamma Scan	
100-F-2	SOLID	02/05/02								
B00-029-188	B00-029	02/07/02								
B14190		R202026-12	7797-012	GAM		02/08/02	02/11/02	MCM	Gamma Scan	
100-F-2	SOLID	02/05/02								
B00-029-188	B00-029	02/07/02								
B14191		R202026-13	7797-013	GAM		02/08/02	02/11/02	MCM	Gamma Scan	
100-F-2	SOLID	02/05/02								
B00-029-188	B00-029	02/07/02								
B14192		R202026-14	7797-014	GAM		02/08/02	02/11/02	MCM	Gamma Scan	
100-F-2	SOLID	02/05/02								
B00-029-188	B00-029	02/07/02								
B14193		R202026-15	7797-015	GAM		02/08/02	02/11/02	MCM	Gamma Scan	
100-F-2	SOLID	02/05/02								
B00-029-188	B00-029	02/07/02								
B14194		R202026-16	7797-016	GAM		02/08/02	02/11/02	MCM	Gamma Scan	
100-F-2	SOLID	02/05/02								
B00-029-188	B00-029	02/07/02								
B14195		R202026-17	7797-017	GAM		02/08/02	02/11/02	MCM	Gamma Scan	
100-F-2	SOLID	02/05/02								
B00-029-188	B00-029	02/07/02								
B14196		R202026-18	7797-018	GAM		02/08/02	02/11/02	MCM	Gamma Scan	
100-F-2	SOLID	02/05/02								
B00-029-188	B00-029	02/07/02								
B14197		R202026-19	7797-019	GAM		02/08/02	02/11/02	MCM	Gamma Scan	
100-F-2	SOLID	02/05/02								
B00-029-188	B00-029	02/07/02								
B14198		R202026-20	7797-020	GAM		02/08/02	02/11/02	MCM	Gamma Scan	
100-F-2	SOLID	02/05/02								
B00-029-188	B00-029	02/07/02								

WORK SUMMARY

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Version Ver 1.0
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EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP H1694

SDG 7797
Contact Melissa C. Mannion

WORK SUMMARY, cont.

Client Hanford
Contract No. 630
Case no SDG H1694

CLIENT SAMPLE ID	LAB SAMPLE ID										
LOCATION	MATRIX	COLLECTED			SUF-						
CUSTODY	SAF No	RECEIVED	PLANCHET	TEST	FIX	ANALYZED	REVIEWED	BY	METHOD		
B14199		R202026-21	7797-021	GAM		02/08/02	02/11/02	MCM	Gamma Scan		
100-F-2		02/05/02									
B00-029-188	B00-029	02/07/02									
B14180		R202026-22	7797-022	GAM		02/08/02	02/11/02	MCM	Gamma Scan		
100-F-2		02/05/02									
B00-029-188	B00-029	02/07/02									
B14181		R202026-23	7797-023	GAM		02/08/02	02/11/02	MCM	Gamma Scan		
100-F-2		02/05/02									
B00-029-188	B00-029	02/07/02									
B14182		R202026-24	7797-024	GAM		02/08/02	02/11/02	MCM	Gamma Scan		
100-F-2		02/05/02									
B00-029-188	B00-029	02/07/02									
Method Blank		R202026-25	7797-025	GAM		02/08/02	02/11/02	MCM	Gamma Scan		
	SOLID										
	B00-029										

COUNTS OF TESTS BY SAMPLE TYPE											
TEST	SAF No	METHOD	REFERENCE	CLIENT	MORE	RE	BLANK	LCS	DUP	SPIKE	TOTAL
GAM	B00-029	Gamma Scan	GAMMA_GS	24			1				25
TOTALS				24			1				25

EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H1694

R202026-25

Method Blank

METHOD BLANK

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-25</u>	Client sample id <u>Method Blank</u>	
Dept sample id <u>7797-025</u>	Material/Matrix <u>SOLID</u>	
	SAF No <u>B00-029</u>	

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.051</u>	0.050	U	GAM
Cesium 137	10045-97-3	U		<u>0.042</u>	0.10	U	GAM
Europium 152	14683-23-9	U		<u>0.12</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.20</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.12</u>	0.10	U	GAM
Americium 241	14596-10-2	U		0.13		U	GAM

100 F Area - Quick Turn

QC-BLANK #41171

Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
Report date <u>02/12/02</u>

EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-01

B14179

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract <u>No. 630</u>	
Lab sample id <u>R202026-01</u>	Client sample id <u>B14179</u>	
Dept sample id <u>7797-001</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:31</u>	<u>713.5 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.063</u>	0.050	U	GAM
Cesium 137	10045-97-3	0.405	0.085	<u>0.077</u>	0.10		GAM
Europium 152	14683-23-9	U		<u>0.14</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.30</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.21</u>	0.10	U	GAM
Americium 241	14596-10-2	U		<u>0.54</u>		U	GAM

100 F Area - Quick Turn

EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-02

B14180

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract <u>No. 630</u>	
Lab sample id <u>R202026-02</u>	Client sample id <u>B14180</u>	
Dept sample id <u>7797-002</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:32</u>	<u>858.5 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		0.056	0.050	U	GAM
Cesium 137	10045-97-3	U		0.052	0.10	U	GAM
Europium 152	14683-23-9	U		0.12	0.10	U	GAM
Europium 154	15585-10-1	U		0.16	0.10	U	GAM
Europium 155	14391-16-3	U		0.11	0.10	U	GAM
Americium 241	14596-10-2	U		0.064		U	GAM

100 F Area - Quick Turn

DATA SHEETS

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Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
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EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H1694

R202026-03

B14181

D A T A S H E E T

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-03</u>	Client sample id <u>B14181</u>	
Dept sample id <u>7797-003</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:33</u> <u>761.9 g</u>	
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.11</u>	0.050	U	GAM
Cesium 137	10045-97-3	U		<u>0.13</u>	0.10	U	GAM
Europium 152	14683-23-9	U		<u>0.20</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.30</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.21</u>	0.10	U	GAM
Americium 241	14596-10-2	U		0.27		U	GAM

100 F Area - Quick Turn

DATA SHEETS

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Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
Report date <u>02/12/02</u>

EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-04

B14182

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-04</u>	Client sample id <u>B14182</u>	
Dept sample id <u>7797-004</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:34</u>	<u>764.8 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.082</u>	0.050	U	GAM
Cesium 137	10045-97-3	0.168	0.080	<u>0.067</u>	0.10		GAM
Europium 152	14683-23-9	U		<u>0.19</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.30</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.23</u>	0.10	U	GAM
Americium 241	14596-10-2	U		<u>0.29</u>		U	GAM

100 F Area - Quick Turn

Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
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EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-05

B14183

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-05</u>	Client sample id <u>B14183</u>	
Dept sample id <u>7797-005</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:38</u>	<u>737.0 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2 σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.064</u>	0.050	U	GAM
Cesium 137	10045-97-3	0.140	0.072	0.075	0.10		GAM
Europium 152	14683-23-9	U		<u>0.15</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.25</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.20</u>	0.10	U	GAM
Americium 241	14596-10-2	U		0.53		U	GAM

100 F Area - Quick Turn

EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-06

B14184

D A T A S H E E T

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-06</u>	Client sample id <u>B14184</u>	
Dept sample id <u>7797-006</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:36</u>	<u>823.8 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		0.042	0.050	U	GAM
Cesium 137	10045-97-3	0.159	0.051	0.045	0.10		GAM
Europium 152	14683-23-9	U		<u>0.12</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.15</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.12</u>	0.10	U	GAM
Americium 241	14596-10-2	U		0.067		U	GAM

100 F Area - Quick Turn

Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
Report date <u>02/12/02</u>

EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H1694

R202026-07

B14185

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-07</u>	Client sample id <u>B14185</u>	
Dept sample id <u>7797-007</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:30</u>	<u>763.4 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.056</u>	0.050	U	GAM
Cesium 137	10045-97-3	0.144	0.065	<u>0.066</u>	0.10		GAM
Europium 152	14683-23-9	U		<u>0.11</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.18</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.12</u>	0.10	U	GAM
Americium 241	14596-10-2	U		<u>0.069</u>		U	GAM

100 F Area - Quick Turn

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EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-08

B14186

D A T A S H E E T

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-08</u>	Client sample id <u>B14186</u>	
Dept sample id <u>7797-008</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:34</u>	<u>905.1 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.077</u>	0.050	U	GAM
Cesium 137	10045-97-3	U		<u>0.087</u>	0.10	U	GAM
Europium 152	14683-23-9	U		<u>0.16</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.29</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.19</u>	0.10	U	GAM
Americium 241	14596-10-2	U		<u>0.24</u>		U	GAM

100 F Area - Quick Turn

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Protocol <u>Hanford</u>
Version <u>Ver 1.0</u>
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EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-09

B14187

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract <u>No. 630</u>	
Lab sample id <u>R202026-09</u>	Client sample id <u>B14187</u>	
Dept sample id <u>7797-009</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:37</u>	<u>915.0 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.069</u>	0.050	U	GAM
Cesium 137	10045-97-3	U		<u>0.053</u>	0.10	U	GAM
Europium 152	14683-23-9	U		<u>0.13</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.24</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.19</u>	0.10	U	GAM
Americium 241	14596-10-2	U		<u>0.48</u>		U	GAM

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EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-10

B14188

D A T A S H E E T

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract <u>No. 630</u>	
Lab sample id <u>R202026-10</u>	Client sample id <u>B14188</u>	
Dept sample id <u>7797-010</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:40</u>	<u>880.9 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.064</u>	0.050	U	GAM
Cesium 137	10045-97-3	U		<u>0.061</u>	0.10	U	GAM
Europium 152	14683-23-9	U		<u>0.11</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.23</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.18</u>	0.10	U	GAM
Americium 241	14596-10-2	U		<u>0.46</u>		U	GAM

100 F Area - Quick Turn

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EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-11

B14189

D A T A S H E E T

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-11</u>	Client sample id <u>B14189</u>	
Dept sample id <u>7797-011</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:42</u>	<u>975.9 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.081</u>	0.050	U	GAM
Cesium 137	10045-97-3	U		<u>0.072</u>	0.10	U	GAM
Europium 152	14683-23-9	U		<u>0.15</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.30</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.12</u>	0.10	U	GAM
Americium 241	14596-10-2	U		<u>0.083</u>		U	GAM

100 F Area - Quick Turn

Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
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EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H1694

R202026-12

B14190

D A T A S H E E T

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract <u>No. 630</u>	
Lab sample id <u>R202026-12</u>	Client sample id <u>B14190</u>	
Dept sample id <u>7797-012</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:44</u>	<u>773.1 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.051</u>	0.050	U	GAM
Cesium 137	10045-97-3	U		<u>0.050</u>	0.10	U	GAM
Europium 152	14683-23-9	U		<u>0.12</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.16</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.12</u>	0.10	U	GAM
Americium 241	14596-10-2	U		<u>0.064</u>		U	GAM

100 F Area - Quick Turn

Lab id <u>TMANC</u>
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EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-13

B14191

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract <u>No. 630</u>	
Lab sample id <u>R202026-13</u>	Client sample id <u>B14191</u>	
Dept sample id <u>7797-013</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:46</u>	<u>831.3 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.092</u>	0.050	U	GAM
Cesium 137	10045-97-3	U		<u>0.063</u>	0.10	U	GAM
Europium 152	14683-23-9	U		<u>0.19</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.27</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.20</u>	0.10	U	GAM
Americium 241	14596-10-2	U		<u>0.26</u>		U	GAM

100 F Area - Quick Turn

Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
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EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H1694

R202026-14

B14192

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-14</u>	Client sample id <u>B14192</u>	
Dept sample id <u>7797-014</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:45</u>	<u>916.7 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		0.042	0.050	U	GAM
Cesium 137	10045-97-3	U		0.033	0.10	U	GAM
Europium 152	14683-23-9	U		0.084	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.16</u>	0.10	U	GAM
Europium 155	14391-16-3	U		0.10	0.10	U	GAM
Americium 241	14596-10-2	U		0.13		U	GAM

100 F Area - Quick Turn

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EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-15

B14193

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-15</u>	Client sample id <u>B14193</u>	
Dept sample id <u>7797-015</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:48</u>	<u>887.2 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.053</u>	0.050	U	GAM
Cesium 137	10045-97-3	0.243	0.068	0.063	0.10		GAM
Europium 152	14683-23-9	U		<u>0.14</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.22</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.18</u>	0.10	U	GAM
Americium 241	14596-10-2	U		0.45		U	GAM

100 F Area - Quick Turn

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EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H1694

R202026-16

B14194

D A T A S H E E T

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract <u>No. 630</u>	
Lab sample id <u>R202026-16</u>	Client sample id <u>B14194</u>	
Dept sample id <u>7797-016</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:44</u>	<u>898.0 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.087</u>	0.050	U	GAM
Cesium 137	10045-97-3	U		<u>0.074</u>	0.10	U	GAM
Europium 152	14683-23-9	U		<u>0.16</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.27</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.20</u>	0.10	U	GAM
Americium 241	14596-10-2	U		<u>0.24</u>		U	GAM

100 F Area - Quick Turn

Lab id <u>TMANC</u>
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EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-17

B14195

D A T A S H E E T

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-17</u>	Client sample id <u>B14195</u>	
Dept sample id <u>7797-017</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:43</u>	<u>924.0 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2 σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		0.046	0.050	U	GAM
Cesium 137	10045-97-3	U		0.048	0.10	U	GAM
Europium 152	14683-23-9	U		0.10	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.15</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.11</u>	0.10	U	GAM
Americium 241	14596-10-2	U		0.058		U	GAM

100 F Area - Quick Turn

Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
Version <u>Ver 1.0</u>
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EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-18

B14196

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract <u>No. 630</u>	
Lab sample id <u>R202026-18</u>	Client sample id <u>B14196</u>	
Dept sample id <u>7797-018</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:42</u>	<u>622.5 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2 σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.10</u>	0.050	U	GAM
Cesium 137	10045-97-3	U		<u>0.10</u>	0.10	U	GAM
Europium 152	14683-23-9	U		<u>0.21</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.28</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.21</u>	0.10	U	GAM
Americium 241	14596-10-2	U		<u>0.28</u>		U	GAM

100 F Area - Quick Turn

Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
Report date <u>02/12/02</u>

EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H1694

R202026-19

B14197

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-19</u>	Client sample id <u>B14197</u>	
Dept sample id <u>7797-019</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:45</u>	<u>752.7 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		0.045	0.050	U	GAM
Cesium 137	10045-97-3	0.094	0.039	0.039	0.10	J	GAM
Europium 152	14683-23-9	U		0.088	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.13</u>	0.10	U	GAM
Europium 155	14391-16-3	U		0.10	0.10	U	GAM
Americium 241	14596-10-2	U		0.12		U	GAM

100 F Area - Quick Turn

DATA SHEETS

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SUMMARY DATA SECTION

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Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
Report date <u>02/12/02</u>

EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-20

B14198

D A T A S H E E T

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract <u>No. 630</u>	
Lab sample id <u>R202026-20</u>	Client sample id <u>B14198</u>	
Dept sample id <u>7797-020</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:47</u>	<u>808.1 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2 σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.052</u>	0.050	U	GAM
Cesium 137	10045-97-3	0.102	0.045	<u>0.049</u>	0.10		GAM
Europium 152	14683-23-9	U		<u>0.12</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.17</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.16</u>	0.10	U	GAM
Americium 241	14596-10-2	U		<u>0.43</u>		U	GAM

100 F Area - Quick Turn

Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
Report date <u>02/12/02</u>

EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H1694

R202026-21

B14199

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-21</u>	Client sample id <u>B14199</u>	
Dept sample id <u>7797-021</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:49</u>	<u>832.8 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.089</u>	0.050	U	GAM
Cesium 137	10045-97-3	U		<u>0.13</u>	0.10	U	GAM
Europium 152	14683-23-9	U		<u>0.15</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.27</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.12</u>	0.10	U	GAM
Americium 241	14596-10-2	U		0.074		U	GAM

100 F Area - Quick Turn

DATA SHEETS

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SUMMARY DATA SECTION

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Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
Report date <u>02/12/02</u>

EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-22

B141B0

D A T A S H E E T

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-22</u>	Client sample id <u>B141B0</u>	
Dept sample id <u>7797-022</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:51</u>	<u>742.1 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2 σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.052</u>	0.050	U	GAM
Cesium 137	10045-97-3	0.140	0.048	0.052	0.10		GAM
Europium 152	14683-23-9	U		0.096	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.15</u>	0.10	U	GAM
Europium 155	14391-16-3	U		0.10	0.10	U	GAM
Americium 241	14596-10-2	U		0.057		U	GAM

100 F Area - Quick Turn

Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
Report date <u>02/12/02</u>

DATA SHEETS

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SUMMARY DATA SECTION

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EBERLINE SERVICES / RICHMOND

SAMPLE DELIVERY GROUP H1694

R202026-23

B141B1

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract No. <u>630</u>	
Lab sample id <u>R202026-23</u>	Client sample id <u>B141B1</u>	
Dept sample id <u>7797-023</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:53</u>	<u>766.3 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		0.046	0.050	U	GAM
Cesium 137	10045-97-3	0.077	0.046	0.049	0.10	J	GAM
Europium 152	14683-23-9	U		0.090	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.17</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.11</u>	0.10	U	GAM
Americium 241	14596-10-2	U		0.14		U	GAM

100 F Area - Quick Turn

DATA SHEETS

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SUMMARY DATA SECTION

Page 32

Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
Report date <u>02/12/02</u>

EBERLINE SERVICES / RICHMOND
SAMPLE DELIVERY GROUP H1694

R202026-24

B141B2

DATA SHEET

SDG <u>7797</u>	Client/Case no <u>Hanford</u>	SDG <u>H1694</u>
Contact <u>Melissa C. Mannion</u>	Contract <u>No. 630</u>	
Lab sample id <u>R202026-24</u>	Client sample id <u>B141B2</u>	
Dept sample id <u>7797-024</u>	Location/Matrix <u>100-F-2</u>	<u>SOLID</u>
Received <u>02/07/02</u>	Collected/Weight <u>02/05/02 09:55</u>	<u>827.8 g</u>
% solids <u>100.0</u>	Custody/SAF No <u>B00-029-188</u>	<u>B00-029</u>

ANALYTE	CAS NO	RESULT pCi/g	2 σ ERR (COUNT)	MDA pCi/g	RDL pCi/g	QUALI- FIERS	TEST
Cobalt 60	10198-40-0	U		<u>0.075</u>	0.050	U	GAM
Cesium 137	10045-97-3	U		<u>0.069</u>	0.10	U	GAM
Europium 152	14683-23-9	U		<u>0.13</u>	0.10	U	GAM
Europium 154	15585-10-1	U		<u>0.20</u>	0.10	U	GAM
Europium 155	14391-16-3	U		<u>0.17</u>	0.10	U	GAM
Americium 241	14596-10-2	U		<u>0.45</u>		U	GAM

100 F Area - Quick Turn

Lab id <u>TMANC</u>
Protocol <u>Hanford</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>3.06</u>
Report date <u>02/12/02</u>

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP H1694

METHOD SUMMARY

GAMMA SCAN

GAMMA SPECTROSCOPY

Test GAM Matrix SOLID
SDG 7797
Contact Melissa C. Mannion

Client Hanford
Contract No. 630
Contract SDG H1694

RESULTS

CLIENT SAMPLE ID	LAB SAMPLE ID	RAW TEST FIX	SUF- PLANCHET	Cobalt 60	Cesium 137
Preparation batch 6952-200					
B14179	R202026-01	7797-001	U	0.405	
B14180	R202026-02	7797-002	U	U	
B14181	R202026-03	7797-003	U	U	
B14182	R202026-04	7797-004	U	0.168	
B14183	R202026-05	7797-005	U	0.140	
B14184	R202026-06	7797-006	U	0.159	
B14185	R202026-07	7797-007	U	0.144	
B14186	R202026-08	7797-008	U	U	
B14187	R202026-09	7797-009	U	U	
B14188	R202026-10	7797-010	U	U	
B14189	R202026-11	7797-011	U	U	
B14190	R202026-12	7797-012	U	U	
B14191	R202026-13	7797-013	U	U	
B14192	R202026-14	7797-014	U	U	
B14193	R202026-15	7797-015	U	0.243	
B14194	R202026-16	7797-016	U	U	
B14195	R202026-17	7797-017	U	U	
B14196	R202026-18	7797-018	U	U	
B14197	R202026-19	7797-019	U	0.094 J	
B14198	R202026-20	7797-020	U	0.102	
B14199	R202026-21	7797-021	U	U	
B14180	R202026-22	7797-022	U	0.140	
B14181	R202026-23	7797-023	U	0.077 J	
B14182	R202026-24	7797-024	U	U	
BLK (QC ID=41171)	R202026-25	7797-025	U	U	

Nominal values and limits from method RDLs (pCi/g) 0.050 0.10
100 F Area - Quick Turn

METHOD SUMMARIES

Page 1

SUMMARY DATA SECTION

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Lab id TMANC
Protocol Hanford
Version Ver 1.0
Form DVD-CMS
Version 3.06
Report date 02/12/02

EBERLINE SERVICES/RICHMOND

SAMPLE DELIVERY GROUP H1694

Test GAM Matrix SOLID
SDG 7797
Contact Melissa C. Mannion

METHOD SUMMARY

GAMMA SCAN
GAMMA SPECTROSCOPY

Client Hanford
Contract No. 630
Contract SDG H1694

METHOD PERFORMANCE

CLIENT SAMPLE ID	LAB SAMPLE ID	RAW SUF- TEST FIX	MDA pCi/g	ALIQ g	PREP FAC	DILU- TION	YIELD %	EFF %	COUNT min	FWHM keV	DRIFT KeV	DAYS HELD	ANAL- PREPARED	YZED	DETECTOR
Preparation batch 6952-200 2σ prep error 15.0 % Reference Lab Notebook 6952 pg. 200															
B14179	R202026-01		0.063	713					33			3	02/08/02	02/08	MB,05,00
B14180	R202026-02		0.056	858					34			3	02/08/02	02/08	MB,07,00
B14181	R202026-03		0.11	762					33			3	02/08/02	02/08	02,03,00
B14182	R202026-04		0.082	765					31			3	02/08/02	02/08	02,03,00
B14183	R202026-05		0.064	764					31			3	02/08/02	02/08	MB,05,00
B14184	R202026-06		0.042	824					31			3	02/08/02	02/08	MB,07,00
B14185	R202026-07		0.056	763					31			3	02/08/02	02/08	MB,07,00
B14186	R202026-08		0.077	905					31			3	02/08/02	02/08	02,03,00
B14187	R202026-09		0.069	915					31			3	02/08/02	02/08	MB,05,00
B14188	R202026-10		0.064	881					31			3	02/08/02	02/08	MB,05,00
B14189	R202026-11		0.081	976					31			3	02/08/02	02/08	02,01,00
B14190	R202026-12		0.051	773					31			3	02/08/02	02/08	MB,07,00
B14191	R202026-13		0.092	831					31			3	02/08/02	02/08	02,03,00
B14192	R202026-14		0.042	917					31			3	02/08/02	02/08	02,04,00
B14193	R202026-15		0.053	887					31			3	02/08/02	02/08	MB,05,00
B14194	R202026-16		0.087	898					31			3	02/08/02	02/08	02,03,00
B14195	R202026-17		0.046	924					31			3	02/08/02	02/08	MB,07,00
B14196	R202026-18		0.10	623					46			3	02/08/02	02/08	02,03,00
B14197	R202026-19		0.045	753					46			3	02/08/02	02/08	02,04,00
B14198	R202026-20		0.052	808					46			3	02/08/02	02/08	MB,05,00
B14199	R202026-21		0.089	833					47			3	02/08/02	02/08	02,01,00
B14180	R202026-22		0.052	742					47			3	02/08/02	02/08	MB,07,00
B14181	R202026-23		0.046	766					39			3	02/08/02	02/08	02,04,00
B14182	R202026-24		0.075	828					39			3	02/08/02	02/08	MB,05,00
BLK (QC ID=41171)	R202026-25		0.051	623					38				02/08/02	02/08	01,03,00
Nominal values and limits from method			0.050 623						100		180				

PROCEDURES REFERENCE GAMMA_GS
CP-060 Soil Preparation, rev 3
CP-100 Ge(Li) Preparation for Commercial Samples, rev 3

AVERAGES ± 2 SD MDA 0.066 ± 0.039
FOR 25 SAMPLES YIELD _____ ± _____

METHOD SUMMARIES

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SUMMARY DATA SECTION

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Lab id TMANC
Protocol Hanford
Version Ver 1.0
Form DVD-CMS
Version 3.06
Report date 02/12/02

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B00-029-188		Page 1 of 5	
Collector MT Stankovich / <i>Nielson</i>		Company Contact Mike Stankovich		Telephone No. 531-7620		Project Coordinator TRENT, SJ		Price Code <i>2D</i> Data Turnaround	
Project Designation 100 F Area - Quick Turn		Sampling Location 116-F-9 <i>H1694 (7797)</i>		SAF No. B00-029		Air Quality ☐		<i>7dgy</i>	
Ice Chest No. <i>See OSPC</i>		Field Logbook No. EL-1535-3		COA R116F92000		Method of Shipment <i>Federal Express</i>			
Shipped To TMA/RECRA		Offsite Property No. <i>A020169</i>		Bill of Lading/Air Bill No. <i>See OSPC</i>					
POTENTIAL SAMPLE HAZARDS/REMARKS <i>Potential Radioactive Tie to B13NPO</i> Special Handling and/or Storage <i>NONE</i>					Preservation		None		
					Type of Container		Marinelli		
					No. of Container(s)		1		
					Volume		500mL		
SAMPLE ANALYSIS					See item (1) in Special Instructions				
Sample No.		Matrix *		Sample Date		Sample Time			
1 B14179 ✓		SOIL		2-5-02		0931		—	
2 B14180 ✓		SOIL		2-5-02		0932		—	
3 B14181 ✓		SOIL		2-5-02		0933		✓	
4 B14182 ✓		SOIL		2-5-02		0934		—	
5 B14183 ✓		SOIL		2-5-02		0938		✓	
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS	
Relinquished By/Removed From <i>R. Thore</i> Date/Time <i>1315</i>				Received By/Stored In <i>R. Thore</i> Date/Time <i>1315</i>				(1) Gamma Spectroscopy - Screen (Americium-241, Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155) SAMPLES STORED IN REF.# <i>AT</i> THE 3728 SHIPPING FACILITY ON <i>RT</i> 1/1 COLLECTOR NOT AVAILABLE TO RELINQUISH SAMPLES ON 1/1 FOR SHIPMENT.	
Relinquished By/Removed From <i>R. Thore</i> Date/Time <i>1400</i>				Received By/Stored In <i>R. Thore</i> Date/Time <i>1400</i>					
Relinquished By/Removed From <i>R. Thore</i> Date/Time <i>0445</i>				Received By/Stored In <i>R. Thore</i> Date/Time <i>0445</i>					
Relinquished By/Removed From <i>R. Thore</i> Date/Time <i>0445</i>				Received By/Stored In <i>R. Thore</i> Date/Time <i>0445</i>					
Relinquished By/Removed From <i>R. Thore</i> Date/Time <i>0445</i>				Received By/Stored In <i>R. Thore</i> Date/Time <i>0445</i>					
Relinquished By/Removed From <i>FED-EXPRESS</i> Date/Time <i>2-7-02</i>				Received By/Stored In <i>E. MARTAS</i> Date/Time <i>2-7-02</i>					
Relinquished By/Removed From				Received By/Stored In					
LABORATORY SECTION		Received By		Title		Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B00-029-188		Page 2 of 3	
Collector MT Stankovich / <i>Nidson</i>		Company Contact Mike Stankovich		Telephone No. 531-7620		Project Coordinator TRENT, SJ		Price Code <i>2D</i>	
Project Designation 100 F Area - Quick Turn		Sampling Location 116-F-9		<i>H1694 (7797)</i>		SAF No. B00-029		Data Turnaround <i>7 days</i>	
Ice Chest No. <i>See OSPC</i>		Field Logbook No. EL-1535-3		COA R116F92000		Method of Shipment <i>Federal Express</i>			
Shipped To TMA/RECRA		Offsite Property No. <i>A020169</i>		Bill of Lading/Air Bill No. <i>See OSPC</i>					
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Potential Radiactive</i> <i>Tie to B13NPO</i> Special Handling and/or Storage <i>None</i>					Preservation		None		
					Type of Container		Marinelli		
					No. of Container(s)		1		
					Volume		500mL		
SAMPLE ANALYSIS					See Item (1) in Special Instructions				
Sample No.		Matrix *		Sample Date		Sample Time			
6 B14184 ✓		SOIL		2-5-02		0936			
7 B14185 ✓		SOIL		2-5-02		0930			
8 B14186 ✓		SOIL		2-5-02		0934			
9 B14187 ✓		SOIL		2-5-02		0937			
10 B14188 ✓		SOIL		2-5-02		0940			
CHAIN OF POSSESSION					SPECIAL INSTRUCTIONS				
Relinquished By/Removed From <i>R. Thoren</i> Date/Time <i>2-5-02 1315</i> Received By/Stored In <i>R. Thoren</i> Date/Time <i>2-5-02 1400</i> Relinquished By/Removed From <i>R. Thoren</i> Date/Time <i>2-5-02 0945</i> Received By/Stored In <i>R. Thoren</i> Date/Time <i>2-6-02 0945</i> Relinquished By/Removed From <i>R. Thoren</i> Date/Time <i>2-6-02 0945</i> Received By/Stored In <i>FED EXPRESS</i> Date/Time <i>2-7-02 1041</i> Relinquished By/Removed From <i>FED EXPRESS</i> Date/Time <i>2-7-02</i> Received By/Stored In <i>E. Mestas</i> Date/Time <i>2-7-02</i>					(1) Gamma Spectroscopy - Screen (Americium-241, Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155) SAMPLES STORED IN REF. # <i>AT RT</i> THE 3728 SHIPPING FACILITY ON <i>2-5-02</i> COLLECTOR NOT AVAILABLE TO RELINQUISH SAMPLES ON <i>1/1</i> FOR SHIPMENT.				
LABORATORY SECTION Received By _____ Title _____ Date/Time _____					FINAL SAMPLE DISPOSITION Disposed By _____ Date/Time _____				

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B00-029-188		Page <u>3</u> of <u>5</u>	
Collector MT Stankovich / <u>Nielson</u>		Company Contact Mike Stankovich		Telephone No. 531-7620		Project Coordinator TRENT, SJ		Price Code <u>2D</u> Data Turnaround	
Project Designation 100 F Area - Quick Turn		Sampling Location 116-F-9 <u>H1694 (7797)</u>		SAF No. B00-029		Air Quality ☐		<u>7 days</u>	
Ice Chest No. <u>See OSPC</u>		Field Logbook No. EL-1535-3		COA R116F92000		Method of Shipment <u>Federal Express</u>			
Shipped To TMA/RECRA		Offsite Property No. <u>A020169</u>		Bill of Lading/Air Bill No. <u>See OSPC</u>					
POSSIBLE SAMPLE HAZARDS/REMARKS <u>Potential</u> <u>TIE TO BBNPO</u> Special Handling and/or Storage <u>NONE</u>				Preservation		None			
				Type of Container		Marinelli			
				No. of Container(s)		1			
				Volume		500mL			
SAMPLE ANALYSIS				See item (1) in Special Instructions.					
Sample No.		Matrix *		Sample Date		Sample Time			
11 B14189 ✓		SOIL		2-5-02		0942		—	
12 B14190 ✓		SOIL		2-5-02		0944		—	
13 B14191 ✓		SOIL		2-5-02		0946		—	
14 B14192 ✓		SOIL		2-5-02		0945		—	
15 B14193 ✓		SOIL		2-5-02		0948		—	
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				Matrix * S=Soil SS=Sediment SO=Solid SI=Sediment W=Water O=Oil A=Air DS=Dry Solids DL=Dry Liquids T=Tissue WT=Wipe L=Liquid V=Vegetation X=Other	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
<u>R. Nielson</u>		<u>2-5-02 1315</u>		<u>R. Thoren</u>		<u>2-5-02 1315</u>			
<u>R. Thoren</u>		<u>2-5-02 1400</u>		<u>R. Thoren</u>		<u>2-5-02 1400</u>			
<u>R. Thoren</u>		<u>2-5-02 0945</u>		<u>R. Thoren</u>		<u>2-5-02 0945</u>			
<u>R. Thoren</u>		<u>2-5-02 0945</u>		<u>R. Thoren</u>		<u>2-5-02 0945</u>			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		(1) Gamma Spectroscopy - Screen (Americium-241, Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155) SAMPLES STORED IN REF.# <u>AT</u> THE 3728 SHIPPING FACILITY ON <u>RT</u> <u>2-5-02</u> COLLECTOR NOT AVAILABLE TO RELINQUISH SAMPLES ON <u>1/1</u> FOR SHIPMENT.	
<u>FED. EXPRESS</u>		<u>2-7-02 10AM</u>		<u>E. MATIAS</u>		<u>2-7-02 10AM</u>			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
<u>FED. EXPRESS</u>		<u>2-7-02</u>		<u>E. MATIAS</u>		<u>2-7-02</u>			
LABORATORY SECTION		Received By		Title		Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B00-029-188		Page 4 of 5	
Collector MT Stankovich / <i>Nielson</i>		Company Contact Mike Stankovich		Telephone No. 531-7620		Project Coordinator TRENT, SJ		Price Code <i>2D</i> Data Turnaround	
Project Designation 100 F Area - Quick Turn		Sampling Location 116-F-9 <i>H1694 (7797)</i>		SAF No. B00-029		Air Quality ☐ <i>7 days</i>			
Ice Chest No. <i>See OSCP</i>		Field Logbook No. EL-1535-3		COA R116F92000		Method of Shipment <i>Federal Express</i>			
Shipped To TMA/RECRA		Offsite Property No. <i>A020169</i>		Bill of Lading/Air Bill No. <i>See OSCP</i>					
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Potential Radioactive</i> <i>Tie to B13NPD</i> Special Handling and/or Storage <i>NONE</i>				Preservation		None			
				Type of Container		Marinelli			
				No. of Container(s)		1			
				Volume		500mL			
SAMPLE ANALYSIS				See item (1) in Special Instructions.					
Sample No.		Matrix *		Sample Date		Sample Time			
16 B14194 ✓		SOIL		2-5-02		0944		✓	
17 B14195 ✓		SOIL		2-5-02		0943		✓	
18 B14196 ✓		SOIL		2-5-02		0942		✓	
19 B14197 ✓		SOIL		2-5-02		0945		✓	
20 B14198 ✓		SOIL		2-5-02		0947		✓	
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				Matrix * S=Soil SD=Soil/Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Dry Solid DL=Dry Liquid T=Tissue WL=Wipe L=Liquid V=Vegetation X=Other	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
<i>R. Nielson</i>		<i>2-5-02</i>		<i>R. Thoren</i>		<i>2-5-02</i>			
<i>R. Thoren</i>		<i>2-5-02</i>		<i>R. Thoren</i>		<i>2-5-02</i>			
<i>R. Thoren</i>		<i>2-5-02</i>		<i>R. Thoren</i>		<i>2-5-02</i>			
<i>R. Thoren</i>		<i>2-5-02</i>		<i>R. Thoren</i>		<i>2-5-02</i>			
SAMPLES STORED IN REF. # THE 3728 SHIPPING FACILITY ON 1/1/ COLLECTOR NOT AVAILABLE TO RELINQUISH SAMPLES ON 1/1/ FOR SHIPMENT.									
LABORATORY SECTION		Received By		Title		Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST						B00-029-188	Page 5 of 5	
Collector MT Stankovich / Nickson		Company Contact Mike Stankovich		Telephone No. 531-7620		Project Coordinator TRENT, SJ		Price Code 20	Data Turnaround	
Project Designation 100 F Area - Quick Turn		Sampling Location 116-F-9 H1694 (7797)		SAF No. B00-029		Air Quality ☐		7 days		
Ice Chest No.		Field Logbook No. EL-1535-3		COA R116F92000		Method of Shipment Federal Express				
Shipped To TMA/RECRA		Offsite Property No.		Bill of Lading/Air Bill No.						
POSSIBLE SAMPLE HAZARDS/REMARKS Potential Radiactive Tie TO B13NPO			Preservation	None						
Special Handling and/or Storage NONE			Type of Container	Marinelli						
			No. of Container(s)	1						
			Volume	500mL						
SAMPLE ANALYSIS				See Item (I) in Special Instructions						
Sample No.	Matrix *	Sample Date	Sample Time							
B14199 ✓	SOIL	2-5-02	0949	-						
B141B0 ✓	SOIL	2-5-02	0951	✓						
B141B1 ✓	SOIL	2-5-02	0953	✓						
B141B2 ✓	SOIL	2-5-02	0955	✓						
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				Matrix *		
Relinquished By/Removed From R. Nicksen		Date/Time 2-5-02	Received By/Stored In R. Thoren		Date/Time 2-5-02	(1) Gamma Spectroscopy - Screen (Americium-241, Cesium-137, Cobalt-60, Europium-152, Europium-154, Europium-155)				
Relinquished By/Removed From R. Thoren		Date/Time 2-5-02	Received By/Stored In R. Thoren		Date/Time 2-5-02	SAMPLES STORED IN REF.# AT THE 3728 SHIPPING FACILITY ON COLLECTOR NOT AVAILABLE TO RELINQUISH SAMPLES ON FOR SHIPMENT.				
Relinquished By/Removed From R. Thoren		Date/Time 2-6-02	Received By/Stored In R. Thoren		Date/Time 2-6-02					
Relinquished By/Removed From R. Thoren		Date/Time 2-6-02	Received By/Stored In E. MASTAS		Date/Time 2-7-02					
Relinquished By/Removed From R. Thoren		Date/Time 2-7-02	Received By/Stored In E. MASTAS		Date/Time 2-7-02					
LABORATORY SECTION		Received By		Title		Date/Time				
FINAL SAMPLE DISPOSITION		Disposed Method		Disposed By		Date/Time				

SAMPLE RECEIPT CHECKLIST

SAMPLE RECEIPT			
Client:	<u>Bechtel Hanford Inc.</u>	Date/Time received	<u>2-7-02 10:Am</u>
CoC No.	<u>B00-029-188</u>		
Container I.D. No.	<u>ERC-018 & ERC-02-107</u>	Requested TAT (Days)	<u>7 DAYS</u>
		P.O. Received	Yes [] No [☒]
INSPECTION			
1.	Custody seals on shipping container intact?	Yes [☒]	No [] N/A []
2.	Custody seals on shipping container dated & signed?	Yes [☒]	No [] N/A []
3.	Custody seals on sample containers intact?	Yes [☒]	No [] N/A []
4.	Custody seals on sample containers dated & signed?	Yes [☒]	No [] N/A []
5.	Cooler Temperature: _____	Packing material is:	Wet [] Dry [☒]
6.	Number of samples in shipping container:	<u>24</u>	
7.	Number of containers per sample:	<u>(1 EREW)</u> (Or see CoC _____)	
8.	Paperwork agrees with samples?	Yes [☒]	No []
9.	Samples have: Tape [] Hazard labels [] Red labels [] Appropriate sample labels []	☒	
10.	Samples are: In good condition [☒] Leaking [] Broken Container [] Missing []		
11.	Describe any anomalies: _____		
13.	Was P.M. notified of any anomalies? Yes [] No [] Date _____		
14.	Received by <u>E. Maester</u>	Date: <u>2-7-02</u>	Time: <u>10. Am</u>

Customer Sample No.	cpm	mr/hr	Customer Sample No.	Cpm	mr/hr
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Ion Chamber Ser. No. _____ Calibration date _____

Survey Meter Ser No. _____ Calibration date _____