

Analytical Data Package Prepared For

Fluor Hanford

Radiochemical Analysis By

STL Richland

2800 G.W. Way, Richland Wa, 99354, (509)-375-3131.

Assigned Laboratory Code: STLRL

Data Package Contains _____ Pages

Report No.: 32102

SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.
W04901	R06-013	B1J2T4	J6D140312-1	H3A6W1AA	9H3A6W10	6107203
		B1J375	J6D140312-2	H3A691AA	9H3A6910	6107203

RECEIVED
MAY 23 2007

EDMC



Certificate of Analysis

Fluor Hanford
P.O. Box 1000, T6-03
Richland, WA 99352

May 17, 2006

Attention: John Trechter

SAF Number	:	R06-013
Date SDG Closed	:	April 12, 2006
Number of Samples	:	Two (2)
Sample Type	:	Soil
SDG Number	:	W04901
Data Deliverable	:	15 / 15-Day Summary

CASE NARRATIVE

I. Introduction

On April 12, 2006, two soil samples were received at STL Richland (STLR) for radiochemical analysis. Upon receipt, the samples were assigned to lot J6D140312 and assigned the following laboratory ID number to correspond with the Fluor Hanford (FH) specific ID:

<u>FH ID#</u>	<u>STLR ID#</u>	<u>MATRIX</u>	<u>DATE OF RECEIPT</u>
B1J2T4	H3A6W	SOIL	4/12/06
B1J375	H3A69	SOIL	4/12/06

II. Sample Receipt

The samples were received in good condition and no anomalies were noted during check-in.

III. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information, analytical results and the appropriate associated statistical errors.

The requested analyses were:

Fluor Hanford
May 17, 2006

Liquid Scintillation Counting
Selenium-79 by method RICH-RC-5043

IV. Quality Control

The analytical results for each analysis performed includes a minimum of one laboratory control sample (LCS), one method (reagent) blank, and one duplicate sample analysis. Any exceptions have been noted in the "Comments" section.

QC and sample results are reported in the same units.

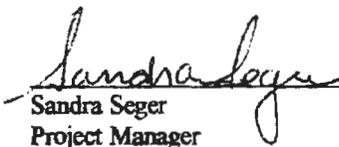
V. Comments

Gas Proportional Counting
Selenium-79 by method RICH-RC-5043

There is currently not an available standard for Selenium 79 and an LCS was not analyzed. The batch blank, sample and sample duplicate (B1J2T4) results are within contractual requirements.

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

Reviewed and approved:


Sandra Seger
Project Manager

Drinking Water Method Cross References

DRINKING WATER ASTM METHOD CROSS REFERENCES		
Referenced Method	Isotope(s)	STL Richland's SOP number
EPA 901.1	Cs-134, I-131	RICH-RC-5017
EPA 900.0	Alpha & Beta	RICH-RC-5014
EPA 903.1	Ra-226	RICH-RC-5005
EPA 904.0	Ra-228	RICH-RC-5005
EPA 905.0	Sr89/90	RICH-RC-5006
ASTM D2460	Total Radium	RICH-RC-5027
Standard Method 7500-U-C & ASTM D5174	Uranium	RICH-RC-5058
EPA 906.0	Tritium	RICH-RC-5007
NOTE:		
The Gross Alpha LCS is prepared with Am-241 (unless otherwise specified in the case narrative)		
The Gross Beta LCS is prepared with Sr/Y-90 (unless otherwise specified in the case narrative)		

Uncertainty Estimation

STL Richland has adopted the internationally accepted approach to estimating uncertainties described in "NIST Technical Note 1297, 1994 Edition". The approach, "Law of Propagation of Errors", involves the identification of all variables in an analytical method which are used to derive a result. These variables are related to the analytical result (R) by some functional relationship, $R = \text{constants} * f(x,y,z, \dots)$. The components (x,y,z) are evaluated to determine their contribution to the overall method uncertainty. The individual component uncertainties (u_i) are then combined using a statistical model that provides the most probable overall uncertainty value. All component uncertainties are categorized as type A, evaluated by statistical methods, or type B, evaluated by other means. Uncertainties not included in the components, such as sample homogeneity, are combined with the component uncertainty as the square root of the sum-of-the-squares of the individual uncertainties. The uncertainty associated with the derived result is the combined uncertainty (u_c) multiplied by the coverage factor (1,2, or 3).

When three or more sample replicates are used to derive the analytical result, the type A uncertainty is the standard deviation of the mean value (S/\sqrt{n}), where S is the standard deviation of the derived results. The type B uncertainties are all other random or non-random components that are not included in the standard deviation.

The derivation of the general "Law of Propagation of Errors" equations and specific example are available on request.

Report Definitions

Action Lev	An agreed upon activity level used to trigger some action when the final result is greater than or equal to the Action Level. Often the Action Level is related to the Decision Limit.
Batch	The QC preparation batch number that relates laboratory samples to QC samples that were prepared and analyzed together.
Bias	Defined by the equation $(\text{Result}/\text{Expected}) - 1$ as defined by ANSI N13.30.
COC No	Chain of Custody Number assigned by the Client or STL Richland.
Count Error (#s)	Poisson counting statistics of the gross sample count and background. The uncertainty is absolute and in the same units as the result. For Liquid Scintillation Counting (LSC) the batch blank count is the background.
Total Uncert (#s) <i>u_c - Combined Uncertainty.</i>	All known uncertainties associated with the preparation and analysis of the sample are propagated to give a measure of the uncertainty associated with the result, <i>u_c, the combined uncertainty.</i> The uncertainty is absolute and in the same units as the result.
(#s), Coverage Factor	The coverage factor defines the width of the confidence interval, 1, 2 or 3 standard deviations.
CRDL (RL)	Contractual Required Detection Limit as defined in the Client's Statement Of Work or STL Richland "default" nominal detection limit. Often referred to the reporting level (RL)
Lc	Decision Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume associated with the sample. The Type I error probability is approximately 5%. $Lc = (1.645 * \sqrt{2 * (\text{BkgndCnt}/\text{BkgndCntMin}) / \text{SCntMin}}) * (\text{ConvFct}/(\text{Eff} * \text{Yld} * \text{Abn} * \text{Vol}) * \text{IngrFct})$. For LSC methods the batch blank is used as a measure of the background variability. Lc cannot be calculated when the background count is zero.
Lot-Sample No	The number assigned by the LIMS software to track samples received on the same day for a given client. The sample number is a sequential number assigned to each sample in the Lot.
MDC MDA	Detection Level based on instrument background or blank, adjusted by the Efficiency, Chemical Yield, and Volume with a Type I and II error probability of approximately 5%. $MDC = (4.65 * \sqrt{(\text{BkgndCnt}/\text{BkgndCntMin}) / \text{SCntMin}} + 2.71 / \text{SCntMin}) * (\text{ConvFct}/(\text{Eff} * \text{Yld} * \text{Abn} * \text{Vol}) * \text{IngrFct})$. For LSC methods the batch blank is used as a measure of the background variability.
Primary Detector	The instrument identifier associated with the analysis of the sample aliquot.
Ratio U-234/U-238	The U-234 result divided by the U-238 result. The U-234/U-238 ratio for natural uranium in NIST SRM 4321C is 1.038.
Rst/MDC	Ratio of the Result to the MDC. A value greater than 1 may indicate activity above background at a high level of confidence. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Rst/TotUcert	Ratio of the Result to the Total Uncertainty. If the uncertainty has a coverage factor of 2 a value greater than 1 may indicate activity above background at approximately the 95% level of confidence assuming a two-sided confidence interval. Caution should be used when applying this factor and it should be used in concert with the qualifiers associated with the result.
Report DB No	Sample Identifier used by the report system. The number is based upon the first five digits of the Work Order Number.
RER	The equation Replicate Error Ratio = $(S - D) / [\sqrt{(\text{TPUs}^2 + \text{TPUd}^2)}]$ as defined by ICPT BOA where S is the original sample result, D is the result of the duplicate, TPUs is the total uncertainty of the original sample and TPUd is the total uncertainty of the duplicate sample.
SDG	Sample Delivery Group Number assigned by the Client or assigned by STL Richland upon sample receipt.
Sum Rpt Alpha Spec Rst(s)	The sum of the reported alpha spec results for tests derived from the same sample excluding duplicate result where the results are in the same units.
Work Order	The LIMS software assign test specific identifier.
Yield	The recovery of the tracer added to the sample such as Pu-242 used to trace a Pu-239/40 method.

Sample Results Summary

Date: 17-May-06

STL Richland STLRL

Ordered by Method, Batch No., Client Sample ID.

Report No. : 32102

SDG No: W04901

Client Id		Parameter	Result +/- Uncertainty (2s)	Qual	Units	Yield	MDC or MDA	CRDL	RPD
Batch	Work Order								
6107203 SE79_SEP_IE_LSC									
B1J2T4									
	H3A6W1AA	SE-79	-2.33E-01 +/- 1.42E+00	U	pCi/g	72%	2.81E+00	1.00E+01	
B1J2T4 DUP									
	H3A6W1AC	SE-79	-7.63E-01 +/- 1.54E+00	U	pCi/g	64%	3.10E+00	1.00E+01	-106.4
B1J375									
	H3A891AA	SE-79	-3.56E-01 +/- 1.38E+00	U	pCi/g	70%	2.76E+00	1.00E+01	
No. of Results: 3									

STL Richland

RPD - Relative Percent Difference.

rptSTLRchSaSum
mary2 V4.15.0 A97

U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

QC Results Summary

Date: 17-May-06

STL Richland STLRL

Ordered by Method, Batch No, QC Type,.

Report No. : 32102

SDG No.: W04901

Batch	Work Order	Parameter	Result +/- Uncertainty (2s)	Qual	Units	Yield	Recovery	Bias	MDC MDA
SE79_SEP_IE_LSC	6107203	BLANK QC							
	H3EW01AA	SE-79	-1.55E+00 +/- 3.31E+00	U	pCi/g	31%			6.65E+00
No. of Results: 1									

STL Richland Bias - (Result/Expected)-1 as defined by ANSI N13.30.
 rptSTLRchQcSummary V4.15.0 A97 U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

FORM I

Date: 17-May-06

SAMPLE RESULTS

Lab Name: STL Richland

SDG: W04901

Collection Date: 4/11/2006 12:30:00 PM

Lot-Sample No.: J6D140312-1

Report No.: 32102

Received Date: 4/12/2006 3:35:00 PM

Client Sample ID: B1J2T4

COC No.: R06-013-006

Matrix: SOIL SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Allquot Size	Primary Detector
Batch: 6107203	SE79_SEP_IE_LSC				Work Order: H3A6W1AA		Report DB ID: 9H3A6W10					
SE-79	-2.33E-01	U	1.1E+00	1.4E+00	2.81E+00	pCi/g	72%	-0.08	5/11/06 03:05 a		1.0	LSC3
						1.35E+00	1.00E+01	-0.33			G	

No. of Results: 1

Comments:

STL Richland MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
 rptSTLRchSample U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.
 V4.15.0 A97

FORM I
SAMPLE RESULTS

Date: 17-May-06

Lab Name: STL Richland

SDG: W04901

Collection Date: 4/11/2006 11:40:00 AM

Lot-Sample No.: J6D140312-2

Report No. : 32102

Received Date: 4/12/2006 3:35:00 PM

Client Sample ID: B1J375

COC No. : R06-013-006

Matrix: SOIL SOLID

Ordered by Client Sample ID, Batch No.

Parameter	Result	Count Qual	Count Error (2 s)	Total Uncert(2 s)	MDC MDA, Action Lev	Rpt Unit, Lc	Yield CRDL(RL)	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 6107203	SE79_SEP_IE_LSC			Work Order: H3A691AA		Report DB ID: 9H3A6910						
SE-79	-3.56E-01 U		1.1E+00	1.4E+00	2.76E+00	pCi/g	70%	-0.13	5/11/06 04:30 a		1.05	LSC3
						1.32E+00	1.00E+01	-0.51			G	

No. of Results: 1

Comments:

STL Richland
rptSTLRchSample
V4.15.0 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

FORM II

Date: 17-May-06

DUPLICATE RESULTS

Lab Name: STL Richland

SDG: W04901

Collection Date: 4/11/2006 12:30:00 PM

Lot-Sample No.: J6D140312-1

Report No. : 32102

Received Date: 4/12/2006 3:35:00 PM

Client Sample ID: B1J2T4 DUP

COC No. : R06-013-006

Matrix: SOIL SOLID

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUncert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 6107203	SE79_SEP_IE_LSC				Work Order: H3A6W1AC	Report DB ID: H3A6W1CR			Orig Sa DB ID: 9H3A6W10			
SE-79	-7.63E-01	U	1.2E+00	1.5E+00	3.10E+00	pCi/g	64%	-0.25	5/11/06 03:47 a		1.02	LSC3
	-2.33E-01	U	RPD	-106.4		1.00E+01		-0.99			G	

No. of Results: 1 Comments:

STL Richland RPD - Relative Percent Difference.

rptSTLRchDupV4.1 MDC|MDA,Le - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.

5.0 A97 U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

FORM II
BLANK RESULTS

Date: 17-May-06

Lab Name: STL Richland

SDG: W04901

Matrix: SOIL

Report No. : 32102

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC MDA ,	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUncert	Analysis, Prep Date	Total Sa Size	Allquot Size	Primary Detector
Batch: 6107203	SE79_SEP_IE_LSC											
	SE-79	U	2.7E+00	3.3E+00	6.65E+00	pCi/g	31%	-0.23	5/11/06 05:12 a		1.0	LSC3
					3.19E+00	1.00E+01		-0.94			G	
No. of Results: 1			Comments:									

STL Richland
rptSTLRchBlank
V4.15.0 A97

MDC|MDA, Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
U Qual - Analyzed for but not detected above limiting criteria. Limit criteria is less than the Mdc/Mda or Total Uncert or not identified by gamma scan software.

Lot No., Due Date: J6D140312; 04/27/2006
 Client, Site: 108302; RUS TEDF HANFORD
 QC Batch No., Method Test: 6107203; RSE79 Se-79 by LSC
 SDG, Matrix: W04901; SOIL

1.0 COC

1.1 Is the ICOC page complete; includes all applicable analysis, dates, SOP numbers, and revisions? Yes No N/A

2.0 QC Batch

2.1 Do the Summary/Detailed Reports include a calculated result for each sample listed on the QC Batch Sheet? Yes No N/A

2.2 Are the QC appropriate for the analysis included in the batch? Yes No N/A

2.3 Is the Analytical Batch Worksheet complete; includes as appropriate, volumes, count times, etc? Yes No N/A

2.4 Does the Worksheets include a Tracer Vial label for each sample? Yes No N/A

3.0 QC & Samples

3.1 Is the blank results, yield, and MDA within contract limits? Yes No N/A

3.2 Is the LCS result, yield, and MDA within contract limits? Yes No N/A

3.3 Are the MS/MSD results, yields, and MDA within contract limits? Yes No N/A

3.4 Are the duplicate result, yields, and MDAs within contract limits? Yes No N/A

3.5 Are the sample yields and MDAs within contract limits? Yes No N/A

4.0 Raw Data

4.1 Were results calculated in the correct units? Yes No N/A

4.2 Were analysis volumes entered correctly? Yes No N/A

4.3 Were Yields entered correctly? Yes No N/A

4.4 Were spectra reviewed/meet contractual requirements? Yes No N/A

4.5 Were raw counts reviewed for anomalies? Yes No N/A

5.0 Other

5.1 Are all nonconformances included and noted? Yes No N/A

5.2 Are all required forms filled out? Yes No N/A

5.3 Was the correct methodology used? Yes No N/A

5.4 Was transcription checked? Yes No N/A

5.5 Were all calculations checked at a minimum frequency? Yes No N/A

5.6 Are worksheet entries complete and correct? Yes No N/A

6.0 Comments on any No response:

First Level Review Pam Anderson

Date 5-12-06

SEVERN
TRENT

STL

Data Review Checklist
RADIOCHEMISTRY
Second Level Review

QC Batch Number: 6107203

Review Item	Yes (✓)	No (✓)	N/A (✓)
A. Sample Analysis			
1. Are the sample yields within acceptance criteria?	/		
2. Is the sample Minimum Detectable Activity < the Contract Detection Limit?	/		
3. Are the correct isotopes reported?	/		
B. QC Samples			
1. Is the Minimum Detectable Activity for the blank result ≤ the Contract Detection Limit?	/		
2. Does the blank result meet the Contract criteria?	/		
3. Is the blank result < the Contract Detection Limit?	/		
4. Is the blank result > the Contract Detection Limit but the sample result < the Contract Detection Limit?			/
5. Is the LCS recovery with contract acceptance criteria?	/		
7. Is the LCS Minimum Detectable Activity ≤ the Contract Detection Limit?	/		
8. Do the MS/MSD results and yields meet acceptance criteria?			/
9. Do the duplicate sample results and yields meet acceptance criteria?			/
C. Other			
1. Are all Nonconformances included and noted?			/
2. Are all required forms filled out?	/		
3. Was the correct methodology used?	/		
4. Was transcription checked?	/		
5. Were all calculations checked at a minimum frequency?	/		
6. Were units checked?	/		

Comments on any "No" response: _____

Second Level Review: Sheryl A. Adam Date: 5-15-06

STL RICHLAND

Fluor Hanford Inc.

JL D140312 ^{SRS} 4/17/06 ~~6004900 W04901~~ DUE ~~4-28-06~~ ^{SRS} 5/1/06 4/27/06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

R06-013-006

PAGE 1 OF 1

COLLECTOR
HOGAN, JG

SAMPLING LOCATION
U-8 Trench

ICE CHEST NO.
TI-9

SHIPPED TO
Seyern Trent Incorporated, Richland

COMPANY CONTACT
TRECHTER, JE

TELEPHONE NO.
373-7046

PROJECT DESIGNATION
200-UW-1 Operable Unit, Soil from Trench between 216-U-8 and 216-U-12

FIELD LOGBOOK NO.
DTS-SAWS-H99

OFFSITE PROPERTY NO.
N/A

PROJECT COORDINATOR
TRECHTER, JE

SAF NO.
R06-013

METHOD OF SHIPMENT
GOVERNMENT VEHICLE

BILL OF LADING/AIR BILL NO.
N/A

PRICE CODE 9C

AIR QUALITY []

DATA TURNAROUND
15 Days / 15 Days

MATRIX*
OL = OTHER LIQUID
OS = OTHER SOLID
S = SOIL
W = WATER

SPECIAL HANDLING AND/OR STORAGE

POSSIBLE SAMPLE HAZARDS/ REMARKS

Sample B1J2T4 contains radioactive material that does not meet DOT limits or exceed lab acceptance criteria.

SAMPLE NO.	LAB ID	MATRIX*	SAMPLE DATE	SAMPLE TIME	NO./TYPE CONTAINER(S)	ANALYSIS	PRESERVATION
B1J2T4		S	04-11-06	1230	1X60mL G/P Selenium-79 (Se-79)	20.6 gr H3A6W	None
B1J375		S	↓	1140	1X60mL G/P Selenium-79 (Se-79)	23.0 gr H3A69	None

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

SPECIAL INSTRUCTIONS

RELINQUISHED BY/REMOVED FROM
DURATEK
JG HOGAN

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RELINQUISHED BY/REMOVED FROM

RECEIVED BY/STORED IN
[Signature]

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

RECEIVED BY/STORED IN

STL, send copy of chain of custody (COC) to John Trechter within 24 hours of sample receipt. All samples have been taken using the multiple-increment sampling program. This requires the entire sample provided in each bottle to be used in analysis.

LABORATORY SECTION

RECEIVED BY

DISPOSAL METHOD

TITLE

DATE/TIME

FINAL SAMPLE DISPOSITION

DISPOSED BY

DATE/TIME

Sample Check-in List

Date/Time Received: 4/12/06 15:35 ^{W04901 SKS417106}
 Client: RUS SDG #: W04900 NA SAF #: R06-013 NA
 Work Order Number: UGD140312 Chain of Custody # R06-013-006
 Shipping Container ID: TJ-9 Air Bill # N/A

- Custody Seals on shipping container intact? NA Yes No
- Custody Seals dated and signed? NA Yes No
- Chain of Custody record present? Yes No
- Cooler temperature: _____ NA 5. Vermiculite/packing materials is NA Wet Dry
- Number of samples in shipping container: 5
- Sample holding times exceeded? NA Yes No
- Samples have:
 tape
 custody seals
 hazard labels
 appropriate samples labels
- Samples are:
 in good condition
 broken
 leaking
 have air bubbles
 (Only for samples requiring head space)
- Sample pH taken? NA pH < 2 pH > 2 adjusted pH
- Sample Location, Sample Collector Listed? * Yes No
 *For documentation only. No corrective action needed.
- Were any anomalies identified in sample receipt? Yes No
- Description of anomalies (include sample numbers): N/A

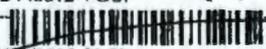
Sample Custodian: [Signature] Date: 4/12/06

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person contacted _____
 No action necessary; process as is.
 Project Manager _____ Date _____

STL RICHLAND

5/4/2006 1:27:40 PM Sample Preparation/Analysis Balance Id:1120373922
 108302, Fluor Hanford Inc, Waste CW Se-79 PrpRC5013, SepRC5043 Pipet #: _____
 Management Federal Servi TM Selenium-79 by Liquid Scint Sep1 DT/Tm Tech: _____
AnalyDueDate: 04/27/2006 W04901 51 CLIENT: HANFORD Sep2 DT/Tm Tech: _____
Batch: 6107203 SOIL pCi/g PM, Quote: HC , 27045 Prep Tech: ,HansenM
 SEQ Batch, Test: None

Work Order, Lot, Sample Date/Tm	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Tracer Yield	Count Time Min	Detector Id	Count On Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 H3A6W-1-AA J6D140312-1-SAMP  04/11/2006 12:30	(1g)	1.00g,ln	SETA0113 05/02/06						
		AmtRec: 60MLG	#Containers: 1			Scr:	Alpha: 4.90E+01pCi/g	Beta: 1.39E+01pCi/g	
2 H3A6W-1-AC-X J6D140312-1-DUP  04/11/2006 12:30	(1g)	1.02g,ln	SETA0110 05/02/06						
		AmtRec: 60MLG	#Containers: 1			Scr:	Alpha: 4.90E+01pCi/g	Beta: 1.39E+01pCi/g	
3 H3A69-1-AA J6D140312-2-SAMP  04/11/2006 11:40	(1g)	1.05g,ln	SETA0111 05/02/06						
		AmtRec: 60MLG	#Containers: 1			Scr:	Alpha: 9.81E+00pCi/g	Beta: 3.82E+00pCi/g	
4 H3EW0-1-AA-B J6D170000-203-BLK  04/11/2006 12:30		1.00g,ln	SETA0112 05/02/06						
		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:	
5 H3EW0-1-AC-BN J6D170000-203-IBLK  04/11/2006 12:30									
		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:	

Comments: *target aliquot in parenthesis MH 5-4-06*

All Clients for Batch: 108302, Fluor Hanford Inc Waste Management Federal Servi, HC , 27045

H3A6W1AA-SAMP Constituent List:
 Se-79 RDL:10 pCi/g LCL: UCL: RPD:

STL Richland Key: ln - Initial Amt, fl - Final Amt, dl - Diluted Amt, s1 - Sep1, s2 - Sep2 Page 1 ISV - Insufficient Volume for Analysis WO Cnt: 5
 Richland Wa. pd - Prep DI, r - Reference DI, ec - Enrichment Cell, ci - Cocktailed Added Prep_SamplePrep v4.8.22

19

5/12/2006 12:56:46 PM

ICOC Fraction Transfer/Status Report

ByDate: 5/12/2005, 5/17/2006, Batch: '6107203', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting	Comments
6107203				
AC	CalcC	WhitneyT	4/25/2006 4:18:01 PM	
SC		wagar	IsBatched	4/17/2006 9:48:02 AM
SC		WhitneyT	Prep1C	4/25/2006 4:18:01 PM
SC		HansenM	InPrep2	5/2/2006 9:13:30 AM
SC		HansenM	Prep2C	5/5/2006 8:11:38 AM
SC		ManisD	InSep1	5/8/2006 10:13:13 AM
SC		MANISD	Sep1C	5/9/2006 4:15:08 PM
SC		DAWKINSO	InCnt1	5/10/2006 4:36:10 PM
SC		BlackCL	CalcC	5/11/2006 8:47:03 AM
AC		HansenM	5/2/2006 9:13:30 AM	
AC		HansenM	5/5/2006 8:11:38 AM	
AC		ManisD	5/8/2006 10:13:13	
AC		MANISD	5/9/2006 4:15:08 PM	
AC		DAWKINSO	5/10/2006 4:36:10 PM	
AC		BlackCL	5/11/2006 8:47:03	

AC: Accepting Entry; SC: Status Change

STL Richland

Richland Wa.