

MARCH 19, 2007

W05089A

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Rec 3/19/07

Analytical Data Package Prepared For  
**Pacific Northwest National Lab**

Radiochemical Analysis By  
**STL Richland STLRL**  
2800 G.W. Way, Richland Wa, 99354, (509)-375-3131.  
Data Package Contains \_\_\_\_\_ Pages

Report Nbr: 34519

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05089	S07-012	B1LDD2	J7A050108-3	JMFP91AD	9JMFP910	7011261

Comments:



STL Richland  
2800 George Washington Way  
Richland, WA 99354

Tel: 509 375 3131 Fax: 509 375 5590  
www.stl-inc.com

## Certificate of Analysis

Pacific Northwest National Laboratories  
Sigma V Building  
Richland, WA 99352

March 16, 2007

Attention: Dot Stewart

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SAF Number	:	S07-012
Date SDG Closed	:	January 5, 2007
Number of Samples	:	One (1)
Sample Type	:	Water
SDG Number	:	W05089
Data Deliverable	:	45-Day / Summary

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### CASE NARRATIVE

#### I. Introduction

On January 3, 2007 one water sample was received at STL Richland (STLR) for radiochemical analysis. Upon receipt, the sample was assigned the following laboratory ID number to correspond with the Pacific Northwest National Laboratories (PGW) specific ID:

<u>PGW ID#</u>	<u>STLR ID#</u>	<u>DATE OF RECEIPT</u>	<u>MATRIX</u>
B1LDD2	JMFP9	1/3/07	WATER

#### II. Sample Receipt

The sample was 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:

**Alpha Spectroscopy**  
Uranium 234, 235 and 238 by method RICH-RC-5039

MARCH 19, 2007

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**Liquid Scintillation Counting**  
Enriched Tritium by method RICH-RC-5024

**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**

**Liquid Scintillation Counting**

Enriched Tritium by method RICH-RC-5024

The LCS, batch blank, samples and sample duplicate (B1LDD2) 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:



Sherryl A. Adam  
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,  $R = \text{constants} * f(x,y,z,...)$ . 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**

<b>Action Lev</b>	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.
<b>Batch</b>	The QC preparation batch number that relates laboratory samples to QC samples that were prepared and analyzed together.
<b>Bias</b>	Defined by the equation $(Result/Expected) - 1$ as defined by ANSI N13.30.
<b>COC No</b>	Chain of Custody Number assigned by the Client or STL Richland.
<b>Count Error (#s)</b>	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.
<b>Total Uncert (#s) <i>u<sub>c</sub> Combined Uncertainty.</i></b>	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<sub>c</sub> the combined uncertainty</i> . The uncertainty is absolute and in the same units as the result.
<b>(#s), Coverage Factor</b>	The coverage factor defines the width of the confidence interval, 1, 2 or 3 standard deviations.
<b>CRDL (RL)</b>	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)
<b>Lc</b>	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%. $Lc = (1.645 * \sqrt{2 * (BkgndCnt / BkgndCntMin) / SCntMin}) * (ConvFct / (Eff * Yld * Abn * Vol)) * IngrFct$ . 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.
<b>Lot-Sample No</b>	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.
<b>MDC MDA</b>	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%. $MDC = (4.65 * \sqrt{((BkgndCnt / BkgndCntMin) / SCntMin) + 2.71 / SCntMin}) * (ConvFct / (Eff * Yld * Abn * Vol)) * IngrFct$ . For LSC methods the batch blank is used as a measure of the background variability.
<b>Primary Detector</b>	The instrument identifier associated with the analysis of the sample aliquot.
<b>Ratio U-234/U-238</b>	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.
<b>Rst/MDC</b>	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.
<b>Rst/TotUcert</b>	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.
<b>Report DB No</b>	Sample Identifier used by the report system. The number is based upon the first five digits of the <b>Work Order</b> Number.
<b>RER</b>	The equation Replicate Error Ratio = $(S - D) / [\sqrt{TPUs^2 + TPUD^2}]$ 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.
<b>SDG</b>	Sample Delivery Group Number assigned by the Client or assigned by STL Richland upon sample receipt.
<b>Sum Rpt Alpha Spec Rst(s)</b>	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.
<b>Work Order</b>	The LIMS software assign test specific identifier.
<b>Yield</b>	The recovery of the tracer added to the sample such as Pu-242 used to trace a Pu-239/40 method.



Friday, March 16, 2007

STL Richland QC Blank Report

Lab Code: STLRL

FormNbr: R    FormatType: FEAD    VersionNbr: 05    File Name: h:\Reportdb\edd\Fead\W05089.Edd, h:\Reportdb\edd\Fead\W05089.Edd, h:\Reportdb\edd\Fead\W05089.Edd

Lab Sample Id: JMPGG1AB    Sdg/Rept Nbr: W05089    Collection Date: 01/03/2007 09:27  
 Client Id: NA    Matrix: WATER    WATER    Sample On Date:  
 Moisture/Solids%\*:    QC Type: BLK    Received Date: 01/03/2007

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp				
	MW6-SBB-A19981								AC	H				
Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Qu- al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	Type
7011261 H-3	7.16E+00	6.3E+00	pCi/L	5.44E+00	100.0	TRITIUM_ELE	1.50E-01	03/08/2007	L	06:51				D
BLK 10028-17-8		4.4E+00												

STL Richland  
 rptFeadRadEdd v3.68

U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide.  
 J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL).  
 B Qual- Analyte was found in the associated laboratory blank above the MDC.

Friday, March 16, 2007

### STL Richland QC Control Sample Report

Lab Code: STLR

FormNbr: R      FormatType: FEAD      VersionNbr: 05      File Name: h:\Report\bbedd\Fead\Rad\W05089.Edd, h:\Report\bbedd\Fead\Rad\34519.Edd

Lab Sample Id: JMPGG1CS      Sdg/Rept Nbr: W05089      34519      Collection Date: 01/03/2007 09:27  
Client Id: NA      Matrix: WATER      WATER      Sample On Date:  
Moisture/Solids%\*:      QC Type: BS      Received Date: 01/03/2007

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	MW6-SBB-A19981								AD	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert.2S	Qu- al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
7011261 H-3		3.80E+02	pCi/L	6.7E+01		5.45E+00	100.0	4.51E+02	TRITIUM_ELE	1.50E-01	03/08/2007 08:09			70	D
BS	10028-17-8			1.6E+01				84.2		L				130	

STL Richland  
rptFeadRadEdd v3.68

U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide.  
J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL).  
B Qual- Analyte was found in the associated laboratory blank above the MDC.

Friday, March 16, 2007

### STL Richland QC Duplicate Report

Lab Code: STLRL

FormNbr: R

FormatType: FEAD

VersionNbr: 05

File Name: h:\Reportdb\edd\Fead\Rad\W05089.Edd, h:\Reportdb\edd\Fead\Rad\34519.Edd

**Lab Sample Id:** JMFP91ER      **Sdg/Rept Nbr:** W05089      **34519**      **Collection Date:** 01/03/2007 09:27  
**Client Id:** B1LDD2      **Matrix:** WATER      **WATER**      **Sample On Date:**  
**Moisture/Solids%\*:**      **QC Type:** DUP      **Received Date:** 01/03/2007

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RType
S07-012	MW6-SBB-A19981								AB	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt	Unceft.2S	Qu- al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Type
7011261	H-3	5.64E+00	pCi/L	6.2E+00		U	5.47E+00	100.0		TRITIUM_ELE	1.50E-01	03/08/2007	72.0	0.7		D
DUP	10028-17-8	2.65E+00		4.3E+00							L	10:44	20.0	3		

STL Richland

rptFeadRadEdd v3.68

U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide.  
 J Qual - No U qualifier has been assigned and the result is below the Reporting Limit (CRDL).  
 B Qual - Analyte was found in the associated laboratory blank above the MDC.

MARCH 19, 2007



STL

Data Review/Verification Checklist  
RADIOCHEMISTRY, First Level Review

3/9/2007 12:53:38 PM

Lot No., Due Date: J7A050108; 02/16/2007  
Client, Site: 384868; PGW 615HANFORD HANFORD  
QC Batch No., Method Test: 7011261; RH3EE H3EE by LSC  
SDG, Matrix: W05089; WATER

1.0 QC

1.1 Is the ICC 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 Angela Long

Date 3/9/07

MARCH 19, 2007



STL

Data Review Checklist  
RADIOCHEMISTRY  
Second Level Review

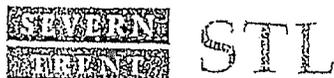
QC Batch Number: 7011261  
W05089

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. Olson Date: 3-13-07





Sample Check-in List

Date/Time Received: 01-03-07 1505

Client: P6W SDG #: W05089 NA [ ] SAE #: 507-012 NA [ ]

Work Order Number: J7A050108 Chain of Custody #: 507-012-40, 108, 2

Shipping Container ID: \_\_\_\_\_ Air Bill # \_\_\_\_\_

- 1. Custody Seals on shipping container intact? NA [ ] Yes [x] No [ ]
- 2. Custody Seals dated and signed? NA [ ] Yes [ ] No [x]
- 3. Chain of Custody record present? Yes [x] No [ ]
- 4. Cooler temperature: \_\_\_\_\_ NA [ ] Intermediate packing materials: NA [x] Air [ ]
- 6. Number of samples in shipping container: 3
- 7. Sample holding times exceeded? NA [x] Yes [ ] No [ ]
- 8. Samples have:
  - \_\_\_\_\_ tape
  - \_\_\_\_\_ custody seals
  - \_\_\_\_\_ hazard labels
  - \_\_\_\_\_ appropriate samples labels
- 9. Samples are:
  - \_\_\_\_\_ in good condition
  - \_\_\_\_\_ broken
  - \_\_\_\_\_ leaking
  - \_\_\_\_\_ have air bubbles
  - (Only for samples requiring headspace)
- 10. Sample pH taken? NA [ ] pH < 2 [x] pH > 2 [x] pH > 6 [ ]
- 11. Sample Location, Sample Collector Listed? \* Yes [x] No [ ]  
\*For documentation only. No corrective action needed
- 12. Were any anomalies identified in sample receipt? Yes [ ] No [x]
- 13. Description of anomalies (include sample numbers): \_\_\_\_\_

Sample Custodian: S. Smith Date: 01-03-07 1505

Client Sample ID	Analysis Requested	Condition	Comments/Notes

Client Informed on \_\_\_\_\_ by \_\_\_\_\_ Person contacted \_\_\_\_\_

[ ] No action necessary: process as is.

Project Manager: \_\_\_\_\_ Date: \_\_\_\_\_

LS-022 9/03, Rev 5

11/11/2007 11:24:25 AM  
384868, Pacific Northwest National Laboratory  
Pacific Northwest National Lab

Sample Preparation/Analysis

AS H-3 Prp/SepRC5024  
U3 Enriched Tritium by Liquid Scint  
5l CLIENT: HANFORD

Balance Id: 12424

Pipet #:

AnalytDueDate: 02/16/2007

Sep1 DT/Tm Tech: 22807pm

Batch: 7011261 WATER

PM, Quote: SA, 57671

Sep2 DT/Tm Tech:

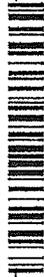
SEQ Batch, Test: None

Prep Tech:

Work Order, Lot, Sample Date/Time	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On   Off (24hr) Circle	CR Analyst, Init/Date	Comments:
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1 JMF98-1-AD

J7A050108-3-SAMP



01/03/2007 09:27

Amt/Rec: 20ML\_4XLP #Containers: 5

Scr: Alpha: 1.57E-03 uCi/Sa Beta: -2.38E-04 uCi/Sa

2 JMF98-1-AE-X

J7A050108-3-DUP



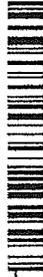
01/03/2007 09:27

Amt/Rec: 20ML\_4XLP #Containers: 5

Scr: Alpha: 1.57E-03 uCi/Sa Beta: -2.38E-04 uCi/Sa

3 JMPGG-1-AA-B

J7A110000-261-BLK



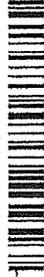
01/03/2007 09:27

Amt/Rec: #Containers: 1

Scr: Alpha: Beta:

4 JMPGG-1-AC-C

J7A110000-261-LCS



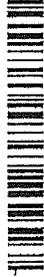
01/03/2007 09:27

Amt/Rec: #Containers: 1

Scr: Alpha: Beta:

5 JMPGG-1-AD-BN

J7A110000-261-BLK



01/03/2007 09:27

Amt/Rec: #Containers: 1

Scr: Alpha: Beta:

Comments:

All Clients for Batch:  
384868, Pacific Northwest National Laboratory Pacific Northwest National Lab, SA, 57671

JMF991AD-SAMP Constituent List:

H-3 RDL: 1.00E+01 pCi/L LCL: 70 UCL: 130 RPD: 20

STL Richland Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Page 1  
Richland Wa. pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added

ISV - Insufficient Volume for Analysis

WO Cnt: 5

ICOC v4.8.26

1/11/2007 11:24:26 AM

Sample Preparation/Analysis

AS H-3 Prp/SepRC5024  
 U3 Enriched Tritium by Liquid Scint  
 51 CLIENT: HANFORD

Balance Id: 12424

Pipet #:

AnalytDueDate: 02/16/2007

Sep1 DT/Tm Tech: J-28-070m

Batch: 7011261  
 SEQ Batch, Test: None

Sep2 DT/Tm Tech:

pCi/L

Prep Tech:

Work Order, Lot, Sample Date/Time	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Mth	Detector Id	Count On   Off (24hr) Circle	CR Analyst, Init/Date	Comments:
JMFGG1AA-BLK: H-3 RDL:1.00E+01	pCi/L	LCL:	UCL:	RPD:				
JMFGG1AC-LCS: H-3 RDL:10	pCi/L	LCL:70	UCL:130	RPD:20				
JMFGG1AD-IBLK: H-3 RDL:1.00E+01	pCi/L	LCL:	UCL:	RPD:				
JMFP91AD-SAMP Uncert Level (#): 2	Decay to SaDt: Y	Blk Subt.: N	Sci.Not.: Y	ODRs: B				
JMFGG1AA-BLK: Uncert Level (#): 2	Decay to SaDt: Y	Blk Subt.: N	Sci.Not.: Y	ODRs: B				
JMFGG1AC-LCS: Uncert Level (#): 2	Decay to SaDt: Y	Blk Subt.: N	Sci.Not.: Y	ODRs: B				
JMFGG1AD-IBLK: Uncert Level (#): 2	Decay to SaDt: Y	Blk Subt.: N	Sci.Not.: Y	ODRs: B				

Approved By \_\_\_\_\_ Date: \_\_\_\_\_

MARCH 19, 2007

3/9/2007 12:52:53 PM

# ICOC Fraction Transfer/Status Report

ByDate: 3/9/2006, 3/14/2007, Batch: '7011261', User: \*ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting	Comments
<b>7011261</b>				
AC		CaicC	McDowellID	2/19/2007 11:33:16
SC			wagarr	IsBatched 1/11/2007 11:25:28 AM
SC			McDowellID	InSep1 2/19/2007 11:33:16 AM
SC			ICOC	IsRpt 2/22/2007 4:31:14 AM
SC			McDowellID	Sep1C 3/7/2007 1:07:44 PM
SC			DAWKINSO	InCnt1 3/7/2007 3:45:54 PM
SC			BlackCL	CaicC 3/9/2007 6:42:07 AM
AC			McDowellID	2/22/2007 10:34:47
AC			McDowellID	3/7/2007 1:07:44 PM
AC			DAWKINSO	3/7/2007 3:45:54 PM
AC			BlackCL	3/9/2007 6:42:07 AM

AC: Accepting Entry; SC: Status Change

STL Richland  
Richland Wa.