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Analytical Data Package Prepared For

Fluor Hanford Inc.

Radiochemical Analysis By

STL Richland

2800 G.W. Way, Richland Wa, 99352, (509)-375-3131.

Assigned Laboratory Code: STLRL

Data Package Contains 71 Pages

Report No.: 28402

SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.
W04589	F05-009	B1CF64	J5C160275-1	G6CW51AA	9G6CW510	5076485
		B1CF64	J5C160275-1	G6CW51AC	9G6CW510	5076486
		B1CF65	J5C160275-2	G6CW81AA	9G6CW810	5076485
		B1CF65	J5C160275-2	G6CW81AC	9G6CW810	5076486
		B1CF67	J5C160275-3	G6CXC1AA	9G6CXC10	5076485
		B1CF67	J5C160275-3	G6CXC1AC	9G6CXC10	5076486
		B1CF68	J5C160275-4	G6CXJ1AA	9G6CXJ10	5076485
		B1CF68	J5C160275-4	G6CXJ1AC	9G6CXJ10	5076486
		B1CF69	J5C160275-5	G6CXL1AA	9G6CXL10	5076485
		B1CF69	J5C160275-5	G6CXL1AC	9G6CXL10	5076486
		B1CF70	J5C160275-6	G6CXN1AA	9G6CXN10	5076485
		B1CF70	J5C160275-6	G6CXN1AC	9G6CXN10	5076486
		B1CF71	J5C160275-7	G6CXQ1AA	9G6CXQ10	5076485
		B1CF71	J5C160275-7	G6CXQ1AC	9G6CXQ10	5076486
		B1CF87	J5C160275-8	G6CXR1AA	9G6CXR10	5076485
		B1CF87	J5C160275-8	G6CXR1AC	9G6CXR10	5076486
		B1CFC3	J5C160275-9	G6CXT1AA	9G6CXT10	5076485
		B1CFC3	J5C160275-9	G6CXT1AC	9G6CXT10	5076486
		B1CFC4	J5C160275-10	G6CXV1AA	9G6CXV10	5076485
		B1CFC4	J5C160275-10	G6CXV1AC	9G6CXV10	5076486
	F05-009	B1CFC5	J5C160275-11	G6CXW1AA	9G6CXW10	5076485
		B1CFC5	J5C160275-11	G6CXW1AC	9G6CXW10	5076486
		B1CFC6	J5C160275-12	G6CXX1AA	9G6CXX10	5076485
		B1CFC6	J5C160275-12	G6CXX1AC	9G6CXX10	5076486
		B1CFC7	J5C160275-13	G6CX51AA	9G6CX510	5076485
		B1CFC7	J5C160275-13	G6CX51AC	9G6CX510	5076486

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SDG No.	Order No.	Client Sample ID (List Order)	Lot-Sa No.	Work Order	Report DB ID	Batch No.
W04589	F05-009	B1CFC8	J5C160275-14	G6CX81AA	9G6CX810	5076485
		B1CFC8	J5C160275-14	G6CX81AC	9G6CX810	5076486
		B1CFC9	J5C160275-15	G6C0A1AA	9G6C0A10	5076485
		B1CFC9	J5C160275-15	G6C0A1AC	9G6C0A10	5076486
		B1CFD0	J5C160275-16	G6C0D1AA	9G6C0D10	5076485
		B1CFD0	J5C160275-16	G6C0D1AC	9G6C0D10	5076486
		B1CFD1	J5C160275-17	G6C0H1AA	9G6C0H10	5076485
		B1CFD1	J5C160275-17	G6C0H1AC	9G6C0H10	5076486
		B1CFD2	J5C160275-18	G6C0L1AA	9G6C0L10	5076485
		B1CFD2	J5C160275-18	G6C0L1AC	9G6C0L10	5076486
		B1CFD3	J5C160275-19	G6C0M1AA	9G6C0M10	5076485
		B1CFD3	J5C160275-19	G6C0M1AC	9G6C0M10	5076486

SEVERN TRENT STL

STL Richland
2800 George Washington Way
Richland, WA 99354

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

Certificate of Analysis

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

March 29, 2005

Attention: Steve Trent

SAF Number	:	F05-009
Date SDG Closed	:	March 16, 2005
Number of Samples	:	Nineteen (19)
Sample Type	:	Soil
SDG Number	:	W04589
Data Deliverable	:	7-Day / 15-Day Summary

CASE NARRATIVE

I. Introduction

On March 16, 2005, nineteen water samples were received at STL Richland (STLR) for radiochemical analysis. Upon receipt, the samples were assigned the following laboratory ID numbers to correspond with the Fluor Hanford (FH) specific IDs:

FH ID#	STLR ID#	MATRIX	DATE OF RECEIPT
B1CF64	G6CW5	SOIL	3/16/05
B1CF65	G6CW8	SOIL	3/16/05
B1CF67	G6CXC	SOIL	3/16/05
B1CF68	G6CXJ	SOIL	3/16/05
B1CF69	G6CXL	SOIL	3/16/05
B1CF70	G6CXN	SOIL	3/16/05
B1CF71	G6CXQ	SOIL	3/16/05
B1CF87	G6CXR	SOIL	3/16/05
B1CFC3	G6CXT	SOIL	3/16/05
B1CFC4	G6CXV	SOIL	3/16/05
B1CFC5	G6CXW	SOIL	3/16/05
B1CFC6	G6CXX	SOIL	3/16/05
B1CFC7	G6CX5	SOIL	3/16/05
B1CFC8	G6CX8	SOIL	3/16/05

B1CFC9	G6C0A	SOIL	3/16/05
B1CFD0	G6C0D	SOIL	3/16/05
B1CFD1	G6C0H	SOIL	3/16/05
B1CFD2	G6C0L	SOIL	3/16/05
B1CFD3	G6C0M	SOIL	3/16/05

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:

Alpha Spectroscopy
Uranium-234, -235, -238 by method RUCH-RC-5067
Liquid Scintillation Counting
Technetium-99 by method RICH-RC-5078

IV. Quality Control

The analytical results for each analysis performed under SDG W04589 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

Alpha Spectroscopy
Uranium-234, -235, -238 by method RUCH-RC-5067:
The LCS, batch blank, samples and sample duplicate (B1CF64) results are within contractual requirements.

Liquid Scintillation Counting
Technetium-99 by method RICH-RC-5078:
The LCS, batch blank, samples, sample duplicate (B1CF65) and sample matrix spike (B1CF67) 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:

for Jackie Waddell
Becky Warrington
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 = 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/vn), 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 (Result/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) ***u_c - Combined Uncertainty.***	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, ***u_c the combined uncertainty***. 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*(BkgrndCnt/BkgrndCntMin)/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.
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((BkgrndCnt/BkgrndCntMin)/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.
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($TPUs^2$ + $TPUd^2$)] 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.
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

STL Richland STLRL

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

Date: 29-Mar-05

Report No. : 28402

SDG No: W04589

Batch	Client Id Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Yield	MDC or MDA	CRDL	RPD
5076485 UISO_IE_PLATE_AEA									
B1CF64									
	G6CW51AA	U-234	6.00E-01 +- 1.47E-01		pCi/g	72%	3.13E-02	1.00E+00	
		U-235	4.43E-02 +- 2.95E-02		pCi/g	72%	2.69E-02	1.00E+00	
		U-238	5.59E-01 +- 1.39E-01		pCi/g	72%	2.92E-02	1.00E+00	
B1CF64 DUP									
	G6CW51AD	U-234	7.03E-01 +- 1.78E-01		pCi/g	56%	2.57E-02	1.00E+00	15.8
		U-235	2.15E-02 +- 2.19E-02	U	pCi/g	56%	1.46E-02	1.00E+00	69.3
		U-238	6.41E-01 +- 1.66E-01		pCi/g	56%	3.69E-02	1.00E+00	13.7
B1CF65									
	G6CW81AA	U-234	7.78E-01 +- 1.90E-01		pCi/g	57%	4.79E-02	1.00E+00	
		U-235	3.20E-02 +- 2.82E-02	U	pCi/g	57%	3.54E-02	1.00E+00	
		U-238	7.92E-01 +- 1.93E-01		pCi/g	57%	4.23E-02	1.00E+00	
B1CF67									
	G6CXC1AA	U-234	8.41E-01 +- 1.96E-01		pCi/g	64%	4.15E-02	1.00E+00	
		U-235	5.47E-02 +- 3.52E-02		pCi/g	64%	3.62E-02	1.00E+00	
		U-238	8.66E-01 +- 2.01E-01		pCi/g	64%	3.81E-02	1.00E+00	
B1CF68									
	G6CXJ1AA	U-234	1.68E+00 +- 3.60E-01		pCi/g	54%	5.07E-02	1.00E+00	
		U-235	6.64E-02 +- 4.00E-02		pCi/g	54%	2.98E-02	1.00E+00	
		U-238	1.77E+00 +- 3.77E-01		pCi/g	54%	5.07E-02	1.00E+00	
B1CF69									
	G6CXL1AA	U-234	4.43E+00 +- 8.39E-01		pCi/g	66%	2.55E-02	1.00E+00	
		U-235	1.75E-01 +- 6.44E-02		pCi/g	66%	2.16E-02	1.00E+00	
		U-238	4.46E+00 +- 8.44E-01		pCi/g	66%	2.16E-02	1.00E+00	
B1CF70									
	G6CXN1AA	U-234	4.16E-01 +- 1.30E-01		pCi/g	47%	1.74E-02	1.00E+00	
		U-235	6.41E-03 +- 1.29E-02	U	pCi/g	47%	1.74E-02	1.00E+00	
		U-238	4.81E-01 +- 1.39E-01		pCi/g	47%	1.74E-02	1.00E+00	
B1CF71									
	G6CXQ1AA	U-234	5.72E-01 +- 1.45E-01		pCi/g	66%	1.26E-02	1.00E+00	
		U-235	2.79E-02 +- 2.33E-02		pCi/g	66%	1.26E-02	1.00E+00	
		U-238	6.17E-01 +- 1.54E-01		pCi/g	66%	2.23E-02	1.00E+00	
B1CF87									
	G6CXR1AA	U-234	5.97E-01 +- 1.43E-01		pCi/g	76%	1.08E-02	1.00E+00	
		U-235	2.70E-02 +- 2.16E-02		pCi/g	76%	1.90E-02	1.00E+00	
		U-238	6.28E-01 +- 1.49E-01		pCi/g	76%	1.90E-02	1.00E+00	
B1CFC3									
	G6CXT1AA	U-234	6.69E-01 +- 1.55E-01		pCi/g	72%	1.83E-02	1.00E+00	

STL Richland

rptSTLRchSaSummary2 V4.11 A97

RPD - Relative Percent Difference.

U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

Sample Results Summary

STL Richland STLRL

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

Date: 29-Mar-05

Report No. : 28402

SDG No: W04589

Batch	Client Id Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Yield	MDC or MDA	CRDL	RPD
5076485	UISO_IE_PLATE_AEA								
	B1CFC3								
	G6CXT1AA	U-235	3.83E-03 +- 7.69E-03	U	pCi/g	72%	1.04E-02	1.00E+00	
		U-238	6.47E-01 +- 1.51E-01		pCi/g	72%	1.04E-02	1.00E+00	
	B1CFC4								
	G6CXV1AA	U-234	6.00E-01 +- 1.42E-01		pCi/g	79%	1.81E-02	1.00E+00	
		U-235	3.78E-03 +- 7.59E-03	U	pCi/g	79%	1.02E-02	1.00E+00	
		U-238	5.03E-01 +- 1.24E-01		pCi/g	79%	1.02E-02	1.00E+00	
	B1CFC5								
	G6CXW1AA	U-234	8.11E-01 +- 1.91E-01		pCi/g	65%	1.27E-02	1.00E+00	
		U-235	2.31E-02 +- 2.14E-02		pCi/g	65%	1.89E-02	1.00E+00	
		U-238	7.50E-01 +- 1.80E-01		pCi/g	65%	1.27E-02	1.00E+00	
	B1CFC6								
	G6CXX1AA	U-234	2.06E+00 +- 4.02E-01		pCi/g	76%	2.06E-02	1.00E+00	
		U-235	8.82E-02 +- 4.01E-02		pCi/g	76%	1.76E-02	1.00E+00	
		U-238	1.62E+00 +- 3.24E-01		pCi/g	76%	2.18E-02	1.00E+00	
	B1CFC7								
	G6CX51AA	U-234	6.33E-01 +- 1.50E-01		pCi/g	78%	2.24E-02	1.00E+00	
		U-235	2.71E-02 +- 2.16E-02		pCi/g	78%	1.81E-02	1.00E+00	
		U-238	4.81E-01 +- 1.22E-01		pCi/g	78%	2.73E-02	1.00E+00	
	B1CFC8								
	G6CX81AA	U-234	1.69E+00 +- 3.55E-01		pCi/g	61%	1.32E-02	1.00E+00	
		U-235	7.75E-02 +- 4.14E-02		pCi/g	61%	1.96E-02	1.00E+00	
		U-238	1.78E+00 +- 3.71E-01		pCi/g	61%	1.32E-02	1.00E+00	
	B1CFC9								
	G6C0A1AA	U-234	7.41E-01 +- 1.70E-01		pCi/g	80%	1.84E-02	1.00E+00	
		U-235	3.13E-02 +- 2.35E-02		pCi/g	80%	2.01E-02	1.00E+00	
		U-238	7.78E-01 +- 1.77E-01		pCi/g	80%	1.09E-02	1.00E+00	
	B1CFD0								
	G6C0D1AA	U-234	8.95E-01 +- 2.00E-01		pCi/g	72%	2.87E-02	1.00E+00	
		U-235	2.68E-02 +- 2.28E-02		pCi/g	72%	2.64E-02	1.00E+00	
		U-238	7.96E-01 +- 1.82E-01		pCi/g	72%	2.64E-02	1.00E+00	
	B1CFD1								
	G6C0H1AA	U-234	5.72E+00 +- 1.05E+00		pCi/g	80%	2.87E-02	1.00E+00	
		U-235	2.72E-01 +- 8.08E-02		pCi/g	80%	1.87E-02	1.00E+00	
		U-238	4.38E+00 +- 8.12E-01		pCi/g	80%	2.87E-02	1.00E+00	
	B1CFD2								
	G6C0L1AA	U-234	6.04E+00 +- 1.12E+00		pCi/g	68%	4.28E-02	1.00E+00	
		U-235	2.90E-01 +- 8.71E-02		pCi/g	68%	3.09E-02	1.00E+00	

STL Richland

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RPD - Relative Percent Difference.

U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

Sample Results Summary

STL Richland STLRL

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Date: 29-Mar-05

Report No. : 28402

SDG No: W04589

Batch	Client Id Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Yield	MDC or MDA	CRDL	RPD
5076485 UISO_IE_PLATE_AEA									
B1CFD2									
	G6C0L1AA	U-238	4.86E+00 +- 9.08E-01		pCi/g	68%	3.90E-02	1.00E+00	
B1CFD3									
	G6C0M1AA	U-234	1.68E+00 +- 3.31E-01		pCi/g	82%	3.12E-02	1.00E+00	
		U-235	4.64E-02 +- 2.85E-02		pCi/g	82%	2.83E-02	1.00E+00	
		U-238	1.83E+00 +- 3.59E-01		pCi/g	82%	3.70E-02	1.00E+00	
5076486 TC99_ETVDSK_LSC									
B1CF64									
	G6CW51AC	TC-99	8.22E-02 +- 3.86E-01	U	pCi/g	100%	6.63E-01	1.50E+01	
B1CF65									
	G6CW81AC	TC-99	4.78E-02 +- 3.85E-01	U	pCi/g	100%	6.64E-01	1.50E+01	
B1CF65 DUP									
	G6CW81AD	TC-99	-1.52E-01 +- 3.73E-01	U	pCi/g	100%	6.59E-01	1.50E+01	-384.5
B1CF67									
	G6CXC1AC	TC-99	4.90E-03 +- 3.80E-01	U	pCi/g	100%	6.52E-01	1.50E+01	
B1CF68									
	G6CXJ1AC	TC-99	-2.46E-01 +- 3.67E-01	U	pCi/g	100%	6.53E-01	1.50E+01	
B1CF69									
	G6CXL1AC	TC-99	-2.77E-01 +- 3.66E-01	U	pCi/g	100%	6.53E-01	1.50E+01	
B1CF70									
	G6CXN1AC	TC-99	2.33E-01 +- 3.93E-01	U	pCi/g	100%	6.55E-01	1.50E+01	
B1CF71									
	G6CXQ1AC	TC-99	3.31E-02 +- 3.81E-01	U	pCi/g	100%	6.48E-01	1.50E+01	
B1CF87									
	G6CXR1AC	TC-99	-2.91E-01 +- 3.64E-01	U	pCi/g	100%	6.48E-01	1.50E+01	
B1CFC3									
	G6CXT1AC	TC-99	2.86E-01 +- 3.99E-01	U	pCi/g	100%	6.73E-01	1.50E+01	
B1CFC4									
	G6CXV1AC	TC-99	9.93E-01 +- 3.92E-01		pCi/g	100%	6.26E-01	1.50E+01	
B1CFC5									
	G6CXW1AC	TC-99	3.55E-01 +- 3.58E-01	U	pCi/g	100%	6.29E-01	1.50E+01	
B1CFC6									
	G6CXX1AC	TC-99	1.56E+00 +- 4.25E-01		pCi/g	100%	6.27E-01	1.50E+01	
B1CFC7									
	G6CX51AC	TC-99	6.67E-02 +- 3.41E-01	U	pCi/g	100%	6.30E-01	1.50E+01	
B1CFC8									
	G6CX81AC	TC-99	3.44E-02 +- 3.39E-01	U	pCi/g	100%	6.29E-01	1.50E+01	
B1CFC9									
	G6C0A1AC	TC-99	-8.58E-02 +- 3.32E-01	U	pCi/g	100%	6.25E-01	1.50E+01	

STL Richland

rptSTLRchSaSummary2 V4.11 A97

RPD - Relative Percent Difference.

U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

Sample Results Summary

STL Richland STLRL

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

Date: 29-Mar-05

Report No. : 28402

SDG No: W04589

Batch	Client Id Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Yield	MDC or MDA	CRDL	RPD
5076486 TC99_ETVDSK_LSC									
B1CFD0									
	G6C0D1AC	TC-99	3.53E-01 +- 3.58E-01	U	pCi/g	100%	6.33E-01	1.50E+01	
B1CFD1									
	G6C0H1AC	TC-99	7.07E-01 +- 3.76E-01		pCi/g	100%	6.25E-01	1.50E+01	
B1CFD2									
	G6C0L1AC	TC-99	4.36E-01 +- 3.62E-01	U	pCi/g	100%	6.28E-01	1.50E+01	
B1CFD3									
	G6C0M1AC	TC-99	3.34E-01 +- 3.56E-01	U	pCi/g	100%	6.27E-01	1.50E+01	

No. of Results: 80

RPD - Relative Percent Difference.

U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

QC Results Summary
STL Richland STLRL

Date: 29-Mar-05

Ordered by Method, Batch No, QC Type,.

Report No. : 28402 **SDG No.:** W04589

Batch Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Yield	Recovery	Bias	MDC|MDA
UISO_IE_PLATE_AEA								
5076485 BLANK QC								
G6GV81AA	U-234	6.26E-04 +- 9.60E-03	U	pCi/g	93%			2.80E-02
	U-235	-1.25E-03 +- 1.78E-03	U	pCi/g	93%			1.77E-02
	U-238	-3.75E-03 +- 7.53E-03	U	pCi/g	93%			3.00E-02
5076485 LCS								
G6GV81AC	U-234	1.64E+00 +- 3.21E-01		pCi/g	88%	100%	0.0	1.91E-02
	U-238	1.75E+00 +- 3.39E-01		pCi/g	88%	101%	0.0	1.62E-02
TC99_ETVDSK_LSC								
5076486 MATRIX SPIKE								
G6CXC1AD	TC-99	1.72E+02 +- 1.02E+01		pCi/g	100%	76%	-0.2	6.55E-01
5076486 BLANK QC								
G6GWF1AA	TC-99	2.43E-01 +- 3.51E-01	U	pCi/g	100%			6.30E-01
5076486 LCS								
G6GWF1AC	TC-99	1.82E+02 +- 1.06E+01		pCi/g	100%	80%	-0.2	6.28E-01

No. of Results: 8

Bias - (Result/Expected)-1 as defined by ANSI N13.30.

U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/8/2005 12:15:00 PM
Lot-Sample No.:	J5C160275-1	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CF64	COC No. :	F05-009-078	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CW51AA		Report DB ID: 9G6CW510						
U-234	***6.00E-01***		1.02E-01	1.47E-01	3.13E-02	pCi/g	72%	*(19.2)*	3/24/05 10:24 p		2.02	ALP1
						9.90E-03	1.00E+00	*(8.2)*			G	
U-235	***4.43E-02***		2.84E-02	2.95E-02	2.69E-02	pCi/g	72%	*(1.6)*	3/24/05 10:24 p		2.02	ALP1
						7.67E-03	1.00E+00	*(3.)*			G	
U-238	***5.59E-01***		9.79E-02	1.39E-01	2.92E-02	pCi/g	72%	*(19.1)*	3/24/05 10:24 p		2.02	ALP1
						8.86E-03	1.00E+00	*(8.)*			G	
							Ratio U-234/238 = 1.1					
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CW51AC		Report DB ID: 9G6CW510						
TC-99	***8.22E-02***	U	2.74E-01	3.86E-01	6.63E-01	pCi/g	100%	*0.12*	3/25/05 07:58 a		2.0	LSC4
						3.19E-01	1.50E+01	*0.43*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	**SDG:**	W04589	**Collection Date:**	3/9/2005 2:30:00 PM
Lot-Sample No.:	J5C160275-2	**Report No. :**	28402	**Received Date:**	3/16/2005 12:30:00 PM
Client Sample ID:	B1CF65	**COC No. :**	F05-009-079	**Matrix:**	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			**Work Order:** G6CW81AA		**Report DB ID:** 9G6CW810						
U-234	***7.78E-01***		1.28E-01	1.90E-01	4.79E-02	pCi/g	57%	*(16.3)*	3/24/05 10:24 p		2.02	ALP3
						1.70E-02	1.00E+00	*(8.2)*			G	
U-235	***3.20E-02***	U	2.76E-02	2.82E-02	3.54E-02	pCi/g	57%	*0.9*	3/24/05 10:24 p		2.02	ALP3
						1.07E-02	1.00E+00	*(2.3)*			G	
U-238	***7.92E-01***		1.28E-01	1.93E-01	4.23E-02	pCi/g	57%	*(18.7)*	3/24/05 10:24 p		2.02	ALP3
						1.42E-02	1.00E+00	*(8.2)*			G	
							Ratio U-234/238 = 1.0					
Batch: 5076486	TC99_ETVDSK_LSC			**Work Order:** G6CW81AC		**Report DB ID:** 9G6CW810						
TC-99	***4.78E-02***	U	2.73E-01	3.85E-01	6.64E-01	pCi/g	100%	*0.07*	3/25/05 09:00 a		2.0	LSC4
						3.19E-01	1.50E+01	*0.25*			G	

No. of Results: 4 **Comments:**

STL Richland
rptSTLRchSample
V4.11 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/9/2005 8:20:00 AM
Lot-Sample No.:	J5C160275-3	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CF67	COC No. :	F05-009-081	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CXC1AA		Report DB ID: 9G6CXC10						
U-234	***8.41E-01***		1.26E-01	1.96E-01	4.15E-02	pCi/g	64%	*(20.2)*	3/24/05 10:25 p		2.05	ALP4
						1.45E-02	1.00E+00	*(8.6)*			G	
U-235	***5.47E-02***		3.38E-02	3.52E-02	3.62E-02	pCi/g	64%	*(1.5)*	3/24/05 10:25 p		2.05	ALP4
						1.18E-02	1.00E+00	*(3.1)*			G	
U-238	***8.66E-01***		1.27E-01	2.01E-01	3.81E-02	pCi/g	64%	*(22.7)*	3/24/05 10:25 p		2.05	ALP4
						1.28E-02	1.00E+00	*(8.6)*			G	
							Ratio U-234/238 = 1.0					
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CXC1AC		Report DB ID: 9G6CXC10						
TC-99	***4.90E-03***	U	2.70E-01	3.80E-01	6.52E-01	pCi/g	100%	*0.01*	3/25/05 11:04 a		2.0	LSC4
						3.14E-01	1.50E+01	*0.03*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 A97

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FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/9/2005 9:05:00 AM
Lot-Sample No.:	J5C160275-4	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CF68	COC No. :	F05-009-082	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CXJ1AA		Report DB ID: 9G6CXJ10						
U-234	***1.68E+00***		1.89E-01	3.60E-01	5.07E-02	pCi/g	54%	*(33.2)*	3/24/05 10:25 p		2.05	ALP5
						1.82E-02	1.00E+00	*(9.3)*			G	
U-235	***6.64E-02***		3.81E-02	4.00E-02	2.98E-02	pCi/g	54%	*(2.2)*	3/24/05 10:25 p		2.05	ALP5
						7.76E-03	1.00E+00	*(3.3)*			G	
U-238	***1.77E+00***		1.94E-01	3.77E-01	5.07E-02	pCi/g	54%	*(34.9)*	3/24/05 10:25 p		2.05	ALP5
						1.82E-02	1.00E+00	*(9.4)*			G	
								Ratio U-234/238 = 0.9				
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CXJ1AC		Report DB ID: 9G6CXJ10						
TC-99	***-2.46E-01***	U	2.61E-01	3.67E-01	6.53E-01	pCi/g	100%	*-0.38*	3/25/05 01:09 p		2.0	LSC4
						3.14E-01	1.50E+01	*-(1.3)*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/9/2005 9:30:00 AM
Lot-Sample No.:	J5C160275-5	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CF69	COC No. :	F05-009-083	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CXL1AA			Report DB ID: 9G6CXL10					
U-234	***4.43E+00***		2.83E-01	8.39E-01	2.55E-02	pCi/g	66%	*(173.9)*	3/24/05 10:25 p		2.0	ALP6
						6.63E-03	1.00E+00	*(10.6)*			G	
U-235	***1.75E-01***		5.63E-02	6.44E-02	2.16E-02	pCi/g	66%	*(8.1)*	3/24/05 10:25 p		2.0	ALP6
						4.69E-03	1.00E+00	*(5.4)*			G	
U-238	***4.46E+00***		2.83E-01	8.44E-01	2.16E-02	pCi/g	66%	*(206.4)*	3/24/05 10:25 p		2.0	ALP6
						4.69E-03	1.00E+00	*(10.6)*			G	
							Ratio U-234/238 = 1.0					
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CXL1AC			Report DB ID: 9G6CXL10					
TC-99	***-2.77E-01***	U	2.60E-01	3.66E-01	6.53E-01	pCi/g	100%	*-0.42*	3/25/05 02:11 p		2.0	LSC4
						3.14E-01	1.50E+01	*-(1.5)*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 A97

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FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/8/2005 3:30:00 PM
Lot-Sample No.:	J5C160275-6	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CF70	COC No. :	F05-009-084	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CXN1AA			Report DB ID: 9G6CXN10					
U-234	***4.16E-01***		1.03E-01	1.30E-01	1.74E-02	pCi/g	47%	*(24.)*	3/24/05 10:26 p		2.03	ALP7
							1.00E+00	*(6.4)*			G	
U-235	***6.41E-03***	U	1.28E-02	1.29E-02	1.74E-02	pCi/g	47%	*0.37*	3/24/05 10:26 p		2.03	ALP7
							1.00E+00	*1.*			G	
U-238	***4.61E-01***		1.09E-01	1.39E-01	1.74E-02	pCi/g	47%	*(26.6)*	3/24/05 10:26 p		2.03	ALP7
							1.00E+00	*(6.6)*			G	
							Ratio U-234/238 = 0.9					
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CXN1AC			Report DB ID: 9G6CXN10					
TC-99	***2.33E-01***	U	2.78E-01	3.93E-01	6.55E-01	pCi/g	100%	*0.36*	3/25/05 03:13 p		2.0	LSC4
						3.15E-01	1.50E+01	*(1.2)*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/9/2005 12:07:00 PM
Lot-Sample No.:	J5C160275-7	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CF71	COC No. :	F05-009-085	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CXQ1AA			Report DB ID: 9G6CXQ10					
U-234	***5.72E-01***		1.03E-01	1.45E-01	1.26E-02	pCi/g	66%	*(45.4)*	3/24/05 10:26 p		2.0	ALP9
							1.00E+00	*(7.9)*			G	
U-235	***2.79E-02***		2.28E-02	2.33E-02	1.26E-02	pCi/g	66%	*(2.2)*	3/24/05 10:26 p		2.0	ALP9
							1.00E+00	*(2.4)*			G	
U-238	***6.17E-01***		1.07E-01	1.54E-01	2.23E-02	pCi/g	66%	*(27.7)*	3/24/05 10:26 p		2.0	ALP9
						4.84E-03	1.00E+00	*(8.)*			G	
							Ratio U-234/238 = 0.9					
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CXQ1AC			Report DB ID: 9G6CXQ10					
TC-99	***3.31E-02***	U	2.70E-01	3.81E-01	6.48E-01	pCi/g	100%	*0.05*	3/25/05 04:16 p		2.0	LSC4
						3.11E-01	1.50E+01	*0.17*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/9/2005 2:30:00 PM
Lot-Sample No.:	J5C160275-8	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CF87	COC No. :	F05-009-101	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CXR1AA			Report DB ID: 9G6CXR10					
U-234	***5.97E-01***		9.74E-02	1.43E-01	1.08E-02	pCi/g	76%	*(55.4)*	3/24/05 10:26 p		2.04	ALP10
							1.00E+00	*(8.3)*			G	
U-235	***2.70E-02***		2.11E-02	2.16E-02	1.90E-02	pCi/g	76%	*(1.4)*	3/24/05 10:26 p		2.04	ALP10
						4.14E-03	1.00E+00	*(2.5)*			G	
U-238	***6.28E-01***		1.00E-01	1.49E-01	1.90E-02	pCi/g	76%	*(32.9)*	3/24/05 10:26 p		2.04	ALP10
						4.14E-03	1.00E+00	*(8.4)*			G	
							Ratio U-234/238 = 1.0					
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CXR1AC			Report DB ID: 9G6CXR10					
TC-99	***-2.91E-01***	U	2.58E-01	3.64E-01	6.48E-01	pCi/g	100%	*-0.45*	3/25/05 05:18 p		2.0	LSC4
						3.11E-01	1.50E+01	*-(1.6)*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 A97

MDC|MDA,Lc - Detection, Decision Level based on instrument background or blank, adjusted by the sample Efficiency, Yield, and Volume.
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FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/11/2005 2:30:00 PM
Lot-Sample No.:	J5C160275-9	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CFC3	COC No. :	F05-009-125	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CXT1AA			Report DB ID: 9G6CXT10					
U-234	***6.69E-01***		1.01E-01	1.55E-01	1.83E-02	pCi/g	72%	*(36.5)*	3/24/05 10:26 p		2.01	ALP11
						3.98E-03	1.00E+00	*(8.6)*			G	
U-235	***3.83E-03***	U	7.66E-03	7.69E-03	1.04E-02	pCi/g	72%	*0.37*	3/24/05 10:26 p		2.01	ALP11
							1.00E+00	*1.*			G	
U-238	***6.47E-01***		9.96E-02	1.51E-01	1.04E-02	pCi/g	72%	*(62.4)*	3/24/05 10:26 p		2.01	ALP11
							1.00E+00	*(8.6)*			G	
							Ratio U-234/238 = 1.0					
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CXT1AC			Report DB ID: 9G6CXT10					
TC-99	***2.86E-01***	U	2.84E-01	3.99E-01	6.73E-01	pCi/g	100%	*0.42*	3/25/05 06:20 p		2.0	LSC4
						3.24E-01	1.50E+01	*(1.4)*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/11/2005 9:10:00 AM
Lot-Sample No.:	J5C160275-10	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CFC4	COC No. :	F05-009-126	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CXV1AA		Report DB ID: 9G6CXV10						
U-234	***6.00E-01***		9.53E-02	1.42E-01	1.81E-02	pCi/g	79%	*(33.2)*	3/24/05 10:27 p		2.06	ALP12
						3.93E-03	1.00E+00	*(8.5)*			G	
U-235	***3.78E-03***	U	7.56E-03	7.59E-03	1.02E-02	pCi/g	79%	*0.37*	3/24/05 10:27 p		2.06	ALP12
							1.00E+00	*1.*			G	
U-238	***5.03E-01***		8.72E-02	1.24E-01	1.02E-02	pCi/g	79%	*(49.1)*	3/24/05 10:27 p		2.06	ALP12
							1.00E+00	*(8.1)*			G	
								Ratio U-234/238 = 1.2				
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CXV1AC		Report DB ID: 9G6CXV10						
TC-99	***9.93E-01***		2.91E-01	3.92E-01	6.26E-01	pCi/g	100%	*(1.6)*	3/24/05 10:03 p		2.0	LSC6
						3.00E-01	1.50E+01	*(5.1)*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/11/2005 12:10:00 PM
Lot-Sample No.:	J5C160275-11	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CFC5	COC No. :	F05-009-127	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CXW1AA			Report DB ID: 9G6CXW10					
U-234	***8.11E-01***		1.23E-01	1.91E-01	1.27E-02	pCi/g	65%	*(63.8)*	3/24/05 10:28 p		2.07	ALP65
							1.00E+00	*(8.5)*			G	
U-235	***2.31E-02***		2.10E-02	2.14E-02	1.89E-02	pCi/g	65%	*(1.2)*	3/24/05 10:28 p		2.07	ALP65
						3.09E-03	1.00E+00	*(2.2)*			G	
U-238	***7.50E-01***		1.19E-01	1.80E-01	1.27E-02	pCi/g	65%	*(59.)*	3/24/05 10:28 p		2.07	ALP65
							1.00E+00	*(8.4)*			G	
							Ratio U-234/238 = 1.1					
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CXW1AC			Report DB ID: 9G6CXW10					
TC-99	***3.55E-01***	U	2.71E-01	3.58E-01	6.29E-01	pCi/g	100%	*0.56*	3/24/05 11:06 p		2.0	LSC6
						3.02E-01	1.50E+01	*(2.)*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/14/2005 10:45:00 AM
Lot-Sample No.:	J5C160275-12	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CFC6	COC No. :	F05-009-128	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CXX1AA		Report DB ID: 9G6CXX10						
U-234	***2.06E+00***		1.78E-01	4.02E-01	2.06E-02	pCi/g	76%	*(99.7)*	3/24/05 10:28 p		2.03	ALP69
						5.08E-03	1.00E+00	*(10.2)*			G	
U-235	***8.82E-02***		3.70E-02	4.01E-02	1.76E-02	pCi/g	76%	*(5.)*	3/24/05 10:28 p		2.03	ALP69
						3.59E-03	1.00E+00	*(4.4)*			G	
U-238	***1.62E+00***		1.58E-01	3.24E-01	2.18E-02	pCi/g	76%	*(74.1)*	3/24/05 10:28 p		2.03	ALP69
						5.68E-03	1.00E+00	*(10.)*			G	
								Ratio U-234/238 = 1.3				
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CXX1AC		Report DB ID: 9G6CXX10						
TC-99	***1.56E+00***		3.09E-01	4.25E-01	6.27E-01	pCi/g	100%	*(2.5)*	3/25/05 12:08 a		2.0	LSC6
						3.01E-01	1.50E+01	*(7.4)*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/14/2005 1:00:00 PM
Lot-Sample No.:	J5C160275-13	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CFC7	COC No. :	F05-009-129	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CX51AA			Report DB ID: 9G6CX510					
U-234	***6.33E-01***		1.00E-01	1.50E-01	2.24E-02	pCi/g	78%	*(28.2)*	3/24/05 10:29 p		2.01	ALP71
						5.84E-03	1.00E+00	*(8.5)*			G	
U-235	***2.71E-02***		2.10E-02	2.16E-02	1.81E-02	pCi/g	78%	*(1.5)*	3/24/05 10:29 p		2.01	ALP71
						3.69E-03	1.00E+00	*(2.5)*			G	
U-238	***4.81E-01***		8.77E-02	1.22E-01	2.73E-02	pCi/g	78%	*(17.6)*	3/24/05 10:29 p		2.01	ALP71
						8.26E-03	1.00E+00	*(7.9)*			G	
								Ratio U-234/238 = 1.3				
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CX51AC			Report DB ID: 9G6CX510					
TC-99	***6.67E-02***	U	2.61E-01	3.41E-01	6.30E-01	pCi/g	100%	*0.11*	3/25/05 01:10 a		2.0	LSC6
						3.03E-01	1.50E+01	*0.39*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/10/2005 9:20:00 AM
Lot-Sample No.:	J5C160275-14	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CFC8	COC No. :	F05-009-130	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CX81AA			Report DB ID: 9G6CX810					
U-234	***1.69E+00***		1.81E-01	3.55E-01	1.32E-02	pCi/g	61%	*(128.)*	3/24/05 10:29 p		2.05	ALP72
							1.00E+00	*(9.5)*			G	
U-235	***7.75E-02***		3.90E-02	4.14E-02	1.96E-02	pCi/g	61%	*(4.)*	3/24/05 10:29 p		2.05	ALP72
						3.21E-03	1.00E+00	*(3.7)*			G	
U-238	***1.78E+00***		1.86E-01	3.71E-01	1.32E-02	pCi/g	61%	*(134.7)*	3/24/05 10:29 p		2.05	ALP72
							1.00E+00	*(9.6)*			G	
								Ratio U-234/238 = 1.0				
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CX81AC			Report DB ID: 9G6CX810					
TC-99	***3.44E-02***	U	2.59E-01	3.39E-01	6.29E-01	pCi/g	100%	*0.05*	3/25/05 02:12 a		2.0	LSC6
						3.02E-01	1.50E+01	*0.2*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/10/2005 12:31:00 PM
Lot-Sample No.:	J5C160275-15	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CFC9	COC No. :	F05-009-131	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6C0A1AA			Report DB ID: 9G6C0A10					
U-234	***7.41E-01***		1.09E-01	1.70E-01	1.84E-02	pCi/g	80%	*(40.2)*	3/24/05 10:29 p		2.0	ALP83
						3.75E-03	1.00E+00	*(8.7)*			G	
U-235	***3.13E-02***		2.28E-02	2.35E-02	2.01E-02	pCi/g	80%	*(1.6)*	3/24/05 10:29 p		2.0	ALP83
						4.60E-03	1.00E+00	*(2.7)*			G	
U-238	***7.78E-01***		1.12E-01	1.77E-01	1.09E-02	pCi/g	80%	*(71.2)*	3/24/05 10:29 p		2.0	ALP83
							1.00E+00	*(8.8)*			G	
							Ratio U-234/238 = 1.0					
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6C0A1AC			Report DB ID: 9G6C0A10					
TC-99	***-8.58E-02***	U	2.54E-01	3.32E-01	6.25E-01	pCi/g	100%	*-0.14*	3/25/05 03:14 a		2.0	LSC6
						3.00E-01	1.50E+01	*-0.52*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/10/2005 2:50:00 PM
Lot-Sample No.:	J5C160275-16	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CFD0	COC No. :	F05-009-132	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6C0D1AA		Report DB ID: 9G6C0D10						
U-234	***8.95E-01***		1.23E-01	2.00E-01	2.87E-02	pCi/g	72%	*(31.2)*	3/25/05 06:57 a		2.05	ALP1
						8.70E-03	1.00E+00	*(8.9)*			G	
U-235	***2.68E-02***		2.23E-02	2.28E-02	2.64E-02	pCi/g	72%	*(1.)*	3/25/05 06:57 a		2.05	ALP1
						7.53E-03	1.00E+00	*(2.3)*			G	
U-238	***7.96E-01***		1.16E-01	1.82E-01	2.64E-02	pCi/g	72%	*(30.2)*	3/25/05 06:57 a		2.05	ALP1
						7.53E-03	1.00E+00	*(8.7)*			G	
							Ratio U-234/238 = 1.1					
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6C0D1AC		Report DB ID: 9G6C0D10						
TC-99	***3.53E-01***	U	2.71E-01	3.58E-01	6.33E-01	pCi/g	100%	*0.56*	3/25/05 04:16 a		2.0	LSC6
						3.04E-01	1.50E+01	*(2.)*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	**STL Richland**	**SDG:**	W04589	**Collection Date:**	3/10/2005 3:35:00 PM
Lot-Sample No.:	**J5C160275-17**	**Report No. :**	28402	**Received Date:**	3/16/2005 12:30:00 PM
Client Sample ID:	**B1CFD1**	**COC No. :**	F05-009-133	**Matrix:**	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			**Work Order:** G6C0H1AA			**Report DB ID:** 9G6C0H10					
U-234	***5.72E+00***		2.99E-01	1.05E+00	2.87E-02	pCi/g	80%	*(199.4)*	3/25/05 06:57 a		2.01	ALP2
						9.07E-03	1.00E+00	*(10.9)*			G	
U-235	***2.72E-01***		6.52E-02	8.08E-02	1.87E-02	pCi/g	80%	*(14.6)*	3/25/05 06:57 a		2.01	ALP2
						4.06E-03	1.00E+00	*(6.7)*			G	
U-238	***4.38E+00***		2.61E-01	8.12E-01	2.87E-02	pCi/g	80%	*(152.7)*	3/25/05 06:57 a		2.01	ALP2
						9.07E-03	1.00E+00	*(10.8)*			G	
							Ratio U-234/238 = 1.3					
Batch: 5076486	TC99_ETVDSK_LSC			**Work Order:** G6C0H1AC			**Report DB ID:** 9G6C0H10					
TC-99	***7.07E-01***		2.82E-01	3.76E-01	6.25E-01	pCi/g	100%	*(1.1)*	3/25/05 05:19 a		2.0	LSC6
						3.00E-01	1.50E+01	*(3.8)*			G	

No. of Results: 4 **Comments:**

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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/10/2005 4:00:00 PM
Lot-Sample No.:	J5C160275-18	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CFD2	COC No. :	F05-009-134	Matrix:	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6C0L1AA			Report DB ID: 9G6C0L10					
U-234	***6.04E+00***		3.19E-01	1.12E+00	4.28E-02	pCi/g	68%	*(141.1)*	3/25/05 06:57 a		2.07	ALP3
						1.57E-02	1.00E+00	*(10.8)*			G	
U-235	***2.90E-01***		7.03E-02	8.71E-02	3.09E-02	pCi/g	68%	*(9.4)*	3/25/05 06:57 a		2.07	ALP3
						9.76E-03	1.00E+00	*(6.7)*			G	
U-238	***4.86E+00***		2.86E-01	9.08E-01	3.90E-02	pCi/g	68%	*(124.7)*	3/25/05 06:57 a		2.07	ALP3
						1.38E-02	1.00E+00	*(10.7)*			G	
								Ratio U-234/238 = 1.2				
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6C0L1AC			Report DB ID: 9G6C0L10					
TC-99	***4.36E-01***	U	2.73E-01	3.62E-01	6.28E-01	pCi/g	100%	*0.69*	3/25/05 06:21 a		2.0	LSC6
						3.02E-01	1.50E+01	*(2.4)*			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchSample
V4.11 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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM I

SAMPLE RESULTS

Date: 29-Mar-05

Lab Name:	STL Richland	**SDG:**	W04589	**Collection Date:**	3/10/2005 9:20:00 AM
Lot-Sample No.:	J5C160275-19	**Report No. :**	28402	**Received Date:**	3/16/2005 12:30:00 PM
Client Sample ID:	B1CFD3	**COC No. :**	F05-009-135	**Matrix:**	SOIL

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	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			**Work Order:**	G6C0M1AA		**Report DB ID:**	9G6C0M10				
U-234	***1.68E+00***		1.56E-01	3.31E-01	3.12E-02	pCi/g	82%	*(53.8)*	3/25/05 06:57 a		2.05	ALP4
						1.07E-02	1.00E+00	*(10.1)*			G	
U-235	***4.64E-02***		2.74E-02	2.85E-02	2.83E-02	pCi/g	82%	*(1.6)*	3/25/05 06:57 a		2.05	ALP4
						9.24E-03	1.00E+00	*(3.3)*			G	
U-238	***1.83E+00***		1.64E-01	3.59E-01	3.70E-02	pCi/g	82%	*(49.5)*	3/25/05 06:57 a		2.05	ALP4
						1.36E-02	1.00E+00	*(10.2)*			G	
							Ratio U-234/238 = 0.9					
Batch: 5076486	TC99_ETVDSK_LSC			**Work Order:**	G6C0M1AC		**Report DB ID:**	9G6C0M10				
TC-99	***3.34E-01***	U	2.69E-01	3.56E-01	6.27E-01	pCi/g	100%	*0.53*	3/25/05 07:23 a		2.0	LSC6
						3.01E-01	1.50E+01	*(1.9)*			G	

No. of Results: 4 **Comments:**

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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

Date: 29-Mar-05

DUPLICATE RESULTS

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/8/2005 12:15:00 PM
Lot-Sample No.:	J5C160275-1	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CF64 DUP	COC No. :	F05-009-078	Matrix:	SOIL

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6CW51AD		Report DB ID: G6CW51DR			Orig Sa DB ID: 9G6CW510			
U-234	7.03E-01		1.23E-01	1.78E-01	2.57E-02	pCi/g	56%	(27.3)	3/24/05 10:24 p		2.06	ALP2
	6.00E-01		RPD	15.8		1.00E+00		(7.9)			G	
U-235	2.15E-02	U	2.15E-02	2.19E-02	1.46E-02	pCi/g	56%	(1.5)	3/24/05 10:24 p		2.06	ALP2
	4.43E-02		RPD	69.3		1.00E+00		(2.)			G	
U-238	6.41E-01		1.18E-01	1.66E-01	3.69E-02	pCi/g	56%	(17.4)	3/24/05 10:24 p		2.06	ALP2
	5.59E-01		RPD	13.7		1.00E+00		(7.7)			G	

Ratio U-234/238 = 1.1 *Alpha Spec Result Sum = 1.4E+00*

No. of Results: 3 Comments:

STL Richland
rptSTLRchDupV4.1
1 A97

RPD - Relative Percent Difference.
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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

Date: 29-Mar-05

DUPLICATE RESULTS

Lab Name:	STL Richland	SDG:	W04589	Collection Date:	3/9/2005 2:30:00 PM
Lot-Sample No.:	J5C160275-2	Report No. :	28402	Received Date:	3/16/2005 12:30:00 PM
Client Sample ID:	B1CF65 DUP	COC No. :	F05-009-079	Matrix:	SOIL

Parameter	Result, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CW81AD		Report DB ID: G6CW81DR			Orig Sa DB ID: 9G6CW810			
TC-99	-1.52E-01	U	2.66E-01	3.73E-01	6.59E-01	pCi/g	100%	-0.23	3/25/05 10:02 a		2.0	LSC4
	4.78E-02	U	RPD	-384.5		1.50E+01		-0.81			G	

No. of Results: 1 Comments:

STL Richland RPD - Relative Percent Difference.

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

1 A97 U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

BLANK RESULTS

Date: 29-Mar-05

Lab Name: STL Richland

SDG: W04589

Matrix: SOIL

Report No. : 28402

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA ,	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order:	G6GV81AA		Report DB ID:	G6GV81AB				
U-234	6.26E-04	U	9.60E-03	9.60E-03	2.80E-02	pCi/g	93%	0.02	3/25/05 06:57 a		2.0	ALP5
					9.75E-03	1.00E+00		0.13			G	
U-235	-1.25E-03	U	1.77E-03	1.78E-03	1.77E-02	pCi/g	93%	-0.07	3/25/05 06:57 a		2.0	ALP5
					4.60E-03	1.00E+00		-(1.4)			G	
U-238	-3.75E-03	U	7.50E-03	7.53E-03	3.00E-02	pCi/g	93%	-0.12	3/25/05 06:57 a		2.0	ALP5
					1.08E-02	1.00E+00		-1.			G	
								Ratio U-234/238 = -0.2				
Batch: 5076486	TC99_ETVDSK_LSC			Work Order:	G6GWF1AA		Report DB ID:	G6GWF1AB				
TC-99	2.43E-01	U	2.67E-01	3.51E-01	6.30E-01	pCi/g	100%	0.39	3/25/05 08:25 a		2.0	LSC6
					3.03E-01	2.00E+01		(1.4)			G	

No. of Results: 4 Comments:

STL Richland
rptSTLRchBlank
V4.11 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 the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

FORM II

LCS RESULTS

Date: 29-Mar-05

Lab Name: STL Richland

SDG: W04589

Matrix: SOIL

Report No. : 28402

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC|MDA	Report Unit	Yield	Expected	Expected Uncert	Recovery, Bias	Analysis, Prep Date	Aliquot Size	Primary Detector
Batch: 5076485	UISO_IE_PLATE_AEA			Work Order: G6GV81AC			Report DB ID: G6GV81CS						
U-234	1.64E+00		1.49E-01	3.21E-01	1.91E-02	pCi/g	88%	1.65E+00	1.01E-02	100%	3/25/05 06:57 a	2.0	ALP6
							Rec Limits:	70	130	0.0		G	
U-238	1.75E+00		1.54E-01	3.39E-01	1.62E-02	pCi/g	88%	1.73E+00	1.06E-02	101%	3/25/05 06:57 a	2.0	ALP6
							Rec Limits:	70	130	0.0		G	
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6GWF1AC			Report DB ID: G6GWF1CS						
TC-99	1.82E+02		1.85E+00	1.06E+01	6.28E-01	pCi/g	100%	2.26E+02	2.87E+00	80%	3/25/05 10:30 a	2.0	LSC6
							Rec Limits:	70	130	-0.2		G	

No. of Results: 3 **Comments:**

FORM II

Date: 29-Mar-05

MATRIX SPIKE RESULTS

Lab Name: STL Richland SDG: W04589

Lot-Sample No.: J5C160275-3 Report No. : 28402 Matrix: SOIL

Parameter	SpikeResult, Orig Rst	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC | MDA	Rpt Unit, CRDL	Yield	Rec-overy	Exp-ected	Exp Uncert	Analysis, Prep Date	Aliquot Size	Primary Detector
Batch: 5076486	TC99_ETVDSK_LSC			Work Order: G6CXC1AD		Report DB ID: G6CXC1DW				Orig Sa DB ID: 9G6CXC10			
TC-99	1.72E+02		1.81E+00	1.02E+01	6.55E-01	pCi/g	100%	76.08%	2.27E+02	1.87E+0(	3/25/05 12:07 p	2.0	LSC4
	4.90E-03	*RPD*	33.8									G	

No. of Results: 1 Comments:

STL Richland RER - Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.

rptSTLRchMs Bias - (Result/Expected)-1 as defined by ANSI N13.30.

V4.11 A97

SEVERN TRENT STL

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

3/28/2005 12:29:42 PM

Lot No., Due Date: J5C160275; 03/31/2005

Client, Site: 108302; FLUOR- SOILS Hanford Site

QC Batch No., Method Test: 5076485; RUISO Ulso by ALP

SDG, Matrix: W04589; SOIL

	Yes	No	N/A
1.0 COC			
1.1 Is the ICOC page complete; includes all applicable analysis, dates, SOP numbers, and revisions?	✓		
2.0 QC Batch			
2.1 Do the Summary/Detailed Reports include a calculated result for each sample listed on the QC Batch Sheet?	✓		
2.2 Are the QC appropriate for the analysis included in the batch?	✓		
2.3 Is the Analytical Batch Worksheet complete; includes as appropriate, volumes, count times, etc?	✓		
2.4 Does the Worksheets include a Tracer Vial label for each sample?	✓		
3.0 QC & Samples			
3.1 Is the blank results, yield, and MDA within contract limits?	✓		
3.2 Is the LCS result, yield, and MDA within contract limits?	✓		
3.3 Are the MS/MSD results, yields, and MDA within contract limits?			✓
3.4 Are the duplicate result, yields, and MDAs within contract limits?	✓		
3.5 Are the sample yields and MDAs within contract limits?	✓		
4.0 Raw Data			
4.1 Were results calculated in the correct units?	✓		
4.2 Were analysis volumes entered correctly?	✓		
4.3 Were Yields entered correctly?			
4.4 Were spectra reviewed/meet contractual requirements?	✓		
4.5 Were raw counts reviewed for anomalies?	✓		
5.0 Other			
5.1 Are all nonconformances included and noted?			✓
5.2 Are all required forms filled out?	✓		
5.3 Was the correct methodology used?	✓		
5.4 Was transcription checked?	✓		
5.5 Were all calculations checked at a minimum frequency?	✓		
5.6 Are worksheet entries complete and correct?	✓		

6.0 Comments on any No response:

First Level Review Pam Cuckenow **Date** 3-29-05

SEVERN TRENT STL

Data Review Checklist
RADIOCHEMISTRY
Second Level Review

QC Batch Number: 5076485

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: Jackie Waddell Date: 3/29/05

LS-038B, Rev. 10, 8/02

STL

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

3/29/2005 1:49:17 PM

Lot No., Due Date: J5C160275; 03/31/2005

Client, Site: 108302; FLUOR- SOILS Hanford Site

QC Batch No., Method Test: 5076486; RTC99 Tc-99 by LSC

SDG, Matrix: W04589; SOIL

	Yes	No	N/A
1.0 COC			
1.1 Is the ICOC page complete; includes all applicable analysis, dates, SOP numbers, and revisions?	✓		
2.0 QC Batch			
2.1 Do the Summary/Detailed Reports include a calculated result for each sample listed on the QC Batch Sheet?	✓		
2.2 Are the QC appropriate for the analysis included in the batch?	✓		
2.3 Is the Analytical Batch Worksheet complete; includes as appropriate, volumes, count times, etc?	✓		
2.4 Does the Worksheets include a Tracer Vial label for each sample?			✓
3.0 QC & Samples			
3.1 Is the blank results, yield, and MDA within contract limits?	✓		
3.2 Is the LCS result, yield, and MDA within contract limits?	✓		
3.3 Are the MS/MSD results, yields, and MDA within contract limits?	✓		
3.4 Are the duplicate result, yields, and MDAs within contract limits?	✓		
3.5 Are the sample yields and MDAs within contract limits?	✓		
4.0 Raw Data			
4.1 Were results calculated in the correct units?	✓		
4.2 Were analysis volumes entered correctly?	✓		
4.3 Were Yields entered correctly?			✓
4.4 Were spectra reviewed/meet contractual requirements?			✓
4.5 Were raw counts reviewed for anomalies?			
5.0 Other			
5.1 Are all nonconformances included and noted?			✓
5.2 Are all required forms filled out?	✓		
5.3 Was the correct methodology used?	✓		
5.4 Was transcription checked?	✓		
5.5 Were all calculations checked at a minimum frequency?	✓		
5.6 Are worksheet entries complete and correct?	✓		

6.0 Comments on any No response:

First Level Review Pam Anderson **Date** 3-29-05

SEVERN TRENT STL

Data Review Checklist
RADIOCHEMISTRY
Second Level Review

QC Batch Number: 5076486

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: Jackie Waddell Date: 3/29/05

LS-038B, Rev. 10, 8/02

Q-50639

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-009-078	PAGE 1 OF 1

COLLECTOR: POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT: JACKSON, RL	TELEPHONE NO.: 372-9004	PROJECT COORDINATOR: TRENT, SJ
PRICE CODE: 8B	DATA TURNAROUND: 7 Days / 15 Days		
SAMPLING LOCATION: 216-U-8 ; C4714 44ft - 46ft	PROJECT DESIGNATION: U Plant Closure Contaminant Plume Refinement	SAF NO.: F05-009	AIR QUALITY: ☐
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-439	COA: 119141ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE
SHIPPED TO: Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO.: ~~N/A~~ ① ~~Sec~~ ① MAB 3/9/05		BILL OF LADING/AIR BILL NO.: N/A

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS: Rad tu to ~~C4714~~ B1CF51

SPECIAL HANDLING AND/OR STORAGE:

PRESERVATION	None
TYPE OF CONTAINER	aG
NO. OF CONTAINER(S)	1
VOLUME	60mL
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; ~~Total Uranium~~ 3-8-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1CF64 G6CW5	SOIL	3-8-05	1215	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JSPOPE/[signature] 3-8-05	1700	MO-026/REF.#1 3-8-05	1706
MO-026 PR3G#1 3/16/05	1035	R.PFISTER/[signature] 3/16/05	1035
R.PFISTER/[signature] 3/16/05	1228	[signature] 3-16-05	1230

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

J5C160275
SDG W04589
Due 3-23 / 3-31

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-009-079

COLLECTOR: POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT: JACKSON, RL	TELEPHONE NO.: 372-9004	PROJECT COORDINATOR: TRENT, SJ
SAMPLING LOCATION: 216-U-8 ; C4715 44ft-46ft	PROJECT DESIGNATION: U Plant Closure Contaminant Plume Refinement		SAF NO.: F05-009
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-U-4391	COA: 119141ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE
SHIPPED TO: Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A

PRICE CODE: 8B

AIR QUALITY: ☐

DATA TURNAROUND: 7 Days / 15 Days

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	aG
NO. OF CONTAINER(S)	1
VOLUME	60mL
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; ~~Total Uranium~~

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B1CF65 G6CW8	SOIL	3-9-05	1430	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JSPope/[signature] 3-9-05	1700	MO-026/Ref. #1 3-9-05	1700
MO-026/Ref. #1 3-16-05	1035	J.S. Pope/[signature] 3-16-05	1035
JSPope/[signature] 3-16-05	1230	[signature] 3/16/05	1230

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-009-081	PAGE 1 OF 1

COLLECTOR POPE/PFISTER/MOKLER/TYRA	**COMPANY CONTACT** JACKSON, RL	**TELEPHONE NO.** 372-9004	**PROJECT COORDINATOR** TRENT, SJ
SAMPLING LOCATION 216-U-8 ; C4717 1ft-3ft	**PROJECT DESIGNATION** U Plant Closure Contaminant Plume Refinement		**SAF NO.** F05-009
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-4391	**COA** 119141ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Severn Trent Incorporated, Richland	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8B

AIR QUALITY ☐

DATA TURNAROUND 7 Days / 15 Days

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS	**PRESERVATION**	None										
	TYPE OF CONTAINER	aG										
	NO. OF CONTAINER(S)	1										
	VOLUME	60mL										
SPECIAL HANDLING AND/OR STORAGE	**SAMPLE ANALYSIS**	Isotopic Uranium; Technetium-99; ~~Total Uranium~~; [illegible] 7-8-05										

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1CF67 G-6CXC	SOIL	3-9-05	0820	X								

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM: JSPope / [signature] 3-9-05	DATE/TIME: 1700	RECEIVED BY/STORED IN: MO-026 / Ref. #1 3-9-05	DATE/TIME: 1700
RELINQUISHED BY/REMOVED FROM: MO-026 ERIE #1 3/16/05	DATE/TIME: 1050	RECEIVED BY/STORED IN: R PFISTER / [signature] 3/16/05	DATE/TIME: 1050
RELINQUISHED BY/REMOVED FROM: R. PFISTER / [signature] 3/16/05	DATE/TIME: 1226	RECEIVED BY/STORED IN: [signature] 3-16-05	DATE/TIME: 1230
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F05-009-082	PAGE 1 OF 1
COLLECTOR POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT JACKSON, RL	TELEPHONE NO. 372-9004	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8B	DATA TURNAROUND
SAMPLING LOCATION 216-U-8 ; C4717 37ft- 39Ft	PROJECT DESIGNATION U Plant Closure Contaminant Plume Refinement		SAF NO. F05-009	AIR QUALITY ☐	7 Days / 15 Days
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-4391	COA 119141ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE		
SHIPPED TO Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS		
	PRESERVATION	None
	TYPE OF CONTAINER	aG
	NO. OF CONTAINER(S)	1
	VOLUME	60mL
SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; Total Uranium; [illegible] 3-9-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1CF68 G6CXJ	SOIL	3-9-05	0905	X								

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM JSPOPE/[illegible] 3-9-05	DATE/TIME 1700	RECEIVED BY/STORED IN MO-026/Ref #1 3-9-05	DATE/TIME 1700
RELINQUISHED BY/REMOVED FROM MO-026/FRIG #1 3/16/05	DATE/TIME 1045	RECEIVED BY/STORED IN R. PFISTER/[illegible] 3/16/05	DATE/TIME 1045
RELINQUISHED BY/REMOVED FROM R. PFISTER/[illegible] 3/16/05	DATE/TIME 1220	RECEIVED BY/STORED IN [illegible] 3-16-05	DATE/TIME 1230
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F05-009-083	PAGE 1 OF 1
COLLECTOR: POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT: JACKSON, RL	TELEPHONE NO.: 372-9004	PROJECT COORDINATOR: TRENT, SJ	PRICE CODE: 8B
SAMPLING LOCATION: 216-U-8 ; C4717 44ft-46ft	PROJECT DESIGNATION: U Plant Closure Contaminant Plume Refinement		SAF NO.: F05-009	AIR QUALITY: DATA TURNAROUND: 7 Days / 15 Days
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-439 1	COA: 119141ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE	
SHIPPED TO: Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A	

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	aG
NO. OF CONTAINER(S)	1
VOLUME	60mL
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; ~~Total Uranium~~ 3-8-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1CF69 G6CXL	SOIL	3-9-05	0930	X

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JSPOPE/ 3-9-05	1700	MO-026/RCF #1 3-9-05	1700
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
MO-026 FRIG #1 3/16/05	1045	R. PFISTER/ 3/16/05	1045
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R. PFISTER/ 3/16/05	1228	3/16/05	1230
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-009-084 | PAGE 1 OF 1

COLLECTOR POPE/PFISTER/MOKLER/TYRA	**COMPANY CONTACT** JACKSON, RL	**TELEPHONE NO.** 372-9004	**PROJECT COORDINATOR** TRENT, SJ
SAMPLING LOCATION 216-U-8 ; C4718 44ft-46ft	**PROJECT DESIGNATION** U Plant Closure Contaminant Plume Refinement		**SAF NO.** F05-009
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-4391	**COA** 119141E510	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Severn Trent Incorporated, Richland	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8B

AIR QUALITY ☐

DATA TURNAROUND 7 Days / 15 Days

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS
Rad tu to B1CF57

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	aG
NO. OF CONTAINER(S)	1
VOLUME	60mL
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; ~~Total Uranium~~ AB 3-8-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1CF70 G6CXN	SOIL	3-8-05	1530	X

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
JS POPE/[signature] 3-8-05	1700	MO-026/RCF #1 3-8-05	1700
MO-026 FRIG #1 3/16/05	1035	R. PFISTER/[signature] 3/16/05	1035
R. PFISTER/[signature] 3/16/05	1228	[signature] 3-16-05	1230

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F05-009-085	PAGE 1 OF 1
COLLECTOR POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT JACKSON, RL	TELEPHONE NO. 372-9004	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8B AIR QUALITY ☐	DATA TURNAROUND 7 Days / 15 Days
SAMPLING LOCATION 216-U-8 ; C4719 44ft-46ft	PROJECT DESIGNATION U Plant Closure Contaminant Plume Refinement		SAF NO. F05-009		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-4391	COA 119141ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE		
SHIPPED TO Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS		
	PRESERVATION	None
	TYPE OF CONTAINER	aG
	NO. OF CONTAINER(S)	1
	VOLUME	60mL
SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; Total Uranium; 98 3-8-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1CF71 G6CXQ	SOIL	3-9-05	1207	X								

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM J Stope / A Stor 3-9-05	DATE/TIME 1700	RECEIVED BY/STORED IN MO-026 / RCF #1 3-9-05	DATE/TIME 1700
RELINQUISHED BY/REMOVED FROM MO-026 FRIG #1 3/16/05	DATE/TIME 1045	RECEIVED BY/STORED IN R. Pfister / [signature] 3/16/05	DATE/TIME 1045
RELINQUISHED BY/REMOVED FROM R. Pfister / [signature] 3/16/05	DATE/TIME 1228	RECEIVED BY/STORED IN [signature] 3-16-05	DATE/TIME 1230
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-009-101

COLLECTOR POPE/PFISTER/MOKLER/TYRA	**COMPANY CONTACT** JACKSON, RL	**TELEPHONE NO.** 372-9004	**PROJECT COORDINATOR** TRENT, SJ
SAMPLING LOCATION 216-U-8 · C4715 44ft-46ft	**PROJECT DESIGNATION** U Plant Closure Contaminant Plume Refinement		**SAF NO.** F05-009
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-439 1	**COA** 119141ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Severn Trent Incorporated, Richland	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8B

AIR QUALITY

DATA TURNAROUND 7 Days / 15 Days

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	aG
NO. OF CONTAINER(S)	1
VOLUME	60mL
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; Total Uranium 3-8-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1CF87 G6CXR	SOIL	3-9-05	1430	K

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J S Pope/A S Pfister 3-9-05	1700	MO-026/Ref. #1 3-9-05	1700
MO-026/Ref #1 3-16-05	1035	J S Pope/A S Pfister 3-16-05	1035
J S Pope/A S Pfister 3-16-05	1230	[illegible] 3-16-05	1230

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F05-009-125	PAGE 1 OF 1
COLLECTOR POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT JACKSON, RL	TELEPHONE NO. 372-9004	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8B AIR QUALITY
SAMPLING LOCATION 216-U-12 ; C4723 44ft-46ft	PROJECT DESIGNATION U Plant Closure Contaminant Plume Refinement		SAF NO. F05-009	DATA TURNAROUND 7 Days / 15 Days
ICE CHEST NO.	FIELD LOGBOOK NO. HUF-N-4391	COA 119141ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A	

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None											
TYPE OF CONTAINER	aG											
NO. OF CONTAINER(S)	1											
VOLUME	60mL											
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; ~~Total Uranium~~; mS 3-7-05											

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1CFC3 G6CXT	SOIL	3/11/05	1430	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R. PFISTER/	3/11/05 1530	MO-026 FRIG #1	3/11/05 1530
MO-026 FRIG #1	3/16/05 1035	R. PFISTER/	3/16/05 1035
R. PFISTER/	3/16/05 1228		3-16-05 1230
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	F05-009-126	PAGE 1 OF 1

COLLECTOR POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT JACKSON, RL	TELEPHONE NO. 372-9004	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8B AIR QUALITY ☐	DATA TURNAROUND 7 Days / 15 Days
SAMPLING LOCATION 216-U-12 ; C4724 44ft-46ft	PROJECT DESIGNATION U Plant Closure Contaminant Plume Refinement		SAF NO. F05-009		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-4391	COA 119141E510	METHOD OF SHIPMENT GOVERNMENT VEHICLE		
SHIPPED TO Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	aG
NO. OF CONTAINER(S)	1
VOLUME	60mL
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; ~~Total Uranium~~; TMG 3-7-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B1CFC4 G6CXV	SOIL	3/11/05	0910	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R. PFISTER / [signature]	3/11/05 1530	MO-026 FRIG #7	3/11/05 1530
MO-026 FRIG #1	3/16/05 1035	R. PFISTER / [signature]	3/16/05 1035
R. PFISTER / [signature]	3/16/05 1228	[signature]	3-16-05 1230

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F05-009-127	PAGE 1 OF 1
COLLECTOR POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT JACKSON, RL	TELEPHONE NO. 372-9004	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8B AIR QUALITY ☐
SAMPLING LOCATION 216-U-12 ; C4725 44ft-46ft	PROJECT DESIGNATION U Plant Closure Contaminant Plume Refinement		SAF NO. F05-009	DATA TURNAROUND 7 Days / 15 Days
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-4391	COA 119141E510	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A	

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	aG
NO. OF CONTAINER(S)	1
VOLUME	60mL
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; ~~Total Uranium;~~ TMJ 3-7-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1CFC5 G6CXW	SOIL	3/11/05	1210	X

CHAIN OF POSSESSION

SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R PFISTER/ [signature]	3/11/05 1530	MO-026 FRIG #1	3/11/05 1530
MO 026/REC # 1	3-16-05 1035	J. POPE/[signature]	3-16-05 1035
J S POPE/[signature]	3-16-05 1230	[signature]	3-16-05 1230

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-009-128 PAGE 1 OF 1

COLLECTOR: POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT: JACKSON, RL	TELEPHONE NO.: 372-9004	PROJECT COORDINATOR: TRENT, SJ
PRICE CODE: 8B	DATA TURNAROUND: 7 Days / 15 Days	AIR QUALITY: ☐	
SAMPLING LOCATION: 216-U-12 · C4726 44ft-46 FT	PROJECT DESIGNATION: U Plant Closure Contaminant Plume Refinement	SAF NO.: F05-009	
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-439 1	COA: 119141ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE
SHIPPED TO: Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	aG
NO. OF CONTAINER(S)	1
VOLUME	60mL
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; ~~Total Uranium~~ TMS 3-7-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1CFC6 G6CXX	SOIL	3-14-05	1045	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J. Stofer / [signature] 3-14-05	1450	MO-026 / Ref. #1 3-14-05	1450
MO-026 FRIG #1 3/16/05	1055	L. PFISTER / [signature] 3/16/05	1055
L. PFISTER / [signature] 3/16/05	1227	[signature] 3-16-05	1230
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-009-129

PAGE 1 OF 1

COLLECTOR: POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT: JACKSON, RL	TELEPHONE NO.: 372-9004	PROJECT COORDINATOR: TRENT, SJ
SAMPLING LOCATION: 216-U-12 ; C4727 44ft-46ft	PROJECT DESIGNATION: U Plant Closure Contaminant Plume Refinement		SAF NO.: F05-009
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-4391	COA: 119141ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE
SHIPPED TO: Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A

PRICE CODE: 8B

AIR QUALITY: ☐

DATA TURNAROUND: 7 Days / 15 Days

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	aG
NO. OF CONTAINER(S)	1
VOLUME	60mL
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; Total Uranium; TMJ 3-7-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1CFC7 G6CX5	SOIL	3-14-05	1300	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
J.S. Pope / [signature] 3-14-05	1450	MO-026 / REF. #1 3-14-05	1450
MO-026 / REF. #1 3-16-05	1035	JSPope / [signature] 3-16-05	1035
JSPope / [signature] 3-16-05	12:30	[signature] 3-16-05	1230

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.

** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F05-009-130	PAGE 1 OF 1
COLLECTOR POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT JACKSON, RL	TELEPHONE NO. 372-9004	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8B	DATA TURNAROUND 7 Days / 15 Days
SAMPLING LOCATION 216-U-12, C4728 ~~44FT - 46FT~~ 48'-50'	PROJECT DESIGNATION U Plant Closure Contaminant Plume Refinement		SAF NO. F05-009	AIR QUALITY ☐	
ICE CHEST NO. 48V 3-10-05	FIELD LOGBOOK NO. HNF-N-4391	COA 119141ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE		
SHIPPED TO Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS	PRESERVATION	None									
	TYPE OF CONTAINER	aG									
	NO. OF CONTAINER(S)	1									
	VOLUME	60mL									
SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; Total Uranium; TMJ 3-7-05									

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1CFC8 G6CX8	SOIL	3-16-05	0920	X								

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM R. PFISTER/[signature] 3/10/05	DATE/TIME 1730	RECEIVED BY/STORED IN MO-026 FRIG #1 3/10/05	DATE/TIME 1730
RELINQUISHED BY/REMOVED FROM MO-026/REF #1 3-16-05	DATE/TIME 1035	RECEIVED BY/STORED IN J POPE/[signature] 3-16-05	DATE/TIME 1035
RELINQUISHED BY/REMOVED FROM J POPE/[signature] 3-16-05	DATE/TIME 1230	RECEIVED BY/STORED IN [signature] 3-16-05	DATE/TIME 1230
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F05-009-131	PAGE 1 OF 1
COLLECTOR POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT JACKSON, RL	TELEPHONE NO. 372-9004	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8B DATA TURNAROUND
SAMPLING LOCATION 216-U-12 ; C4729 44FT-46FT	PROJECT DESIGNATION U Plant Closure Contaminant Plume Refinement		SAF NO. F05-009	AIR QUALITY ☐ 7 Days / 15 Days
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-439 1	COA 119141ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A	

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	aG
NO. OF CONTAINER(S)	1
VOLUME	60mL
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; Total Uranium TWS 3-7-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B1CFC9 G6C0A	SOIL	3-10-05	1231	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R PFISTER / [signature]	3/10/05 1730	MO-026 FRIK #1	3/10/05 1730
MO-026 / RCK #1	3-16-05 1035	JSMOL / [signature]	3-16-05 1035
JSPOPE / [signature]	3-16-05 1230	[signature]	3-16-05 1230
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-009-132 | PAGE 1 OF 1

COLLECTOR: POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT: JACKSON, RL	TELEPHONE NO.: 372-9004	PROJECT COORDINATOR: TRENT, SJ
PRICE CODE: 8B	DATA TURNAROUND: 7 Days / 15 Days	AIR QUALITY: ☐	
SAMPLING LOCATION: 216-U-12 ; C4730 18FT-20FT	PROJECT DESIGNATION: U Plant Closure Contaminant Plume Refinement	SAF NO.: F05-009	
ICE CHEST NO.	FIELD LOGBOOK NO.: HNF-N-4391	CDA: 119141ES10	METHOD OF SHIPMENT: GOVERNMENT VEHICLE
SHIPPED TO: Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO.: N/A		BILL OF LADING/AIR BILL NO.: N/A

MATRIX*: A=Air, DL=Drum Liquids, DS=Drum Solids, L=Liquid, O=Oil, S=Soil, SE=Sediment, T=Tissue, V=Vegitation, W=Water, WI=Wipe, X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	aG
NO. OF CONTAINER(S)	1
VOLUME	60ml.
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; ~~Total Uranium~~ TMJ 3-7-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	[redacted]
B1CFD0 (GCOD)	SOIL	3/10/05	1450	X

CHAIN OF POSSESSION / SIGN/ PRINT NAMES

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R. PFISTER / [signature]	3/10/05 1730	MO-026 FRIG #1	3/10/05 1730
MO-026 / Ref. #1	3-16-05 1035	JSPope / [signature]	3-16-05 1035
JSPope / [signature]	3-16-05 1230	[signature]	31605 1230
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F05-009-133	PAGE 1 OF 1
COLLECTOR POPE/PFISTER/MOKLER/TYRA	COMPANY CONTACT JACKSON, RL	TELEPHONE NO. 372-9004	PROJECT COORDINATOR TRENT, SJ	PRICE CODE 8B AIR QUALITY ☐	DATA TURNAROUND 7 Days / 15 Days
SAMPLING LOCATION 216-U-12 ; C4730 38FT-40FT	PROJECT DESIGNATION U Plant Closure Contaminant Plume Refinement		SAF NO. F05-009		
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-N-4391	COA 119141ES10	METHOD OF SHIPMENT GOVERNMENT VEHICLE		
SHIPPED TO Severn Trent Incorporated, Richland	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		

MATRIX*
A=Air
DL=Drum
Liquids
DS=Drum
Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS	PRESERVATION	None
	TYPE OF CONTAINER	aG
	NO. OF CONTAINER(S)	1
	VOLUME	60mL
SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; Total Uranium TM03-7-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1CFD1 G6COH	SOIL	3-10-05	15:35	X								

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	
RELINQUISHED BY/REMOVED FROM RPFISTER/[signature] 3/10/05	DATE/TIME 1730	RECEIVED BY/STORED IN MO-026 FRIG #1 3/10/05	DATE/TIME 1730
RELINQUISHED BY/REMOVED FROM MO-026 / REF. #1 3-16-05	DATE/TIME 1035	RECEIVED BY/STORED IN JSPOPE/[signature] 3-16-05	DATE/TIME 1035
RELINQUISHED BY/REMOVED FROM JSPOPE/[signature] 3-16-05	DATE/TIME 1230	RECEIVED BY/STORED IN [signature] 3-16-05	DATE/TIME 1200
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-009-134 | PAGE 1 OF 1

COLLECTOR POPE/PFISTER/MOKLER/TYRA	**COMPANY CONTACT** JACKSON, RL	**TELEPHONE NO.** 372-9004	**PROJECT COORDINATOR** TRENT, SJ
SAMPLING LOCATION 216-U-12 ; C4730 44FT-46FT	**PROJECT DESIGNATION** U Plant Closure Contaminant Plume Refinement		**SAF NO.** F05-009
ICE CHEST NO.	**FIELD LOGBOOK NO.** HNF-N-4391	**COA** 119141ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Severn Trent Incorporated, Richland	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8B

AIR QUALITY [ ]

DATA TURNAROUND 7 Days / 15 Days

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	aG
NO. OF CONTAINER(S)	1
VOLUME	60mL
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; Total Uranium; TMB 3-7-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME									
B1CFD2 G6COL	SOIL	3/10/05	1600	X								

CHAIN OF POSSESSION | **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RIPFISTER/[signature]	3/10/05 1730	MO-026 FRIG#1	3/10/05 1730
MO-026/RCF #1	3-16-05 1035	JSPOPE/[signature]	3-16-05 1035
JSPOPE/[signature]	3-16-05 1230	[signature]	3-16-05 1230

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

A-6003-618(03/03)

Fluor Hanford Inc.

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

F05-009-135 | PAGE 1 OF 1

COLLECTOR POPE/PFISTER/MOKLER/TYRA	**COMPANY CONTACT** JACKSON, RL	**TELEPHONE NO.** 372-9004	**PROJECT COORDINATOR** TRENT, SJ
SAMPLING LOCATION 216-U-12 ; C4728 ~~44FT-46FT~~ 48'-50'	**PROJECT DESIGNATION** U Plant Closure Contaminant Plume Refinement		**SAF NO.** F05-009
ICE CHEST NO. 3-10-05	**FIELD LOGBOOK NO.** HNF-N-4391	**COA** 119141ES10	**METHOD OF SHIPMENT** GOVERNMENT VEHICLE
SHIPPED TO Severn Trent Incorporated, Richland	**OFFSITE PROPERTY NO.** N/A		**BILL OF LADING/AIR BILL NO.** N/A

PRICE CODE 8B

AIR QUALITY ☐

DATA TURNAROUND 7 Days / 15 Days

MATRIX*
A=Air
DL=Drum Liquids
DS=Drum Solids
L=Liquid
O=Oil
S=Soil
SE=Sediment
T=Tissue
V=Vegitation
W=Water
WI=Wipe
X=Other

POSSIBLE SAMPLE HAZARDS/ REMARKS

SPECIAL HANDLING AND/OR STORAGE

PRESERVATION	None
TYPE OF CONTAINER	aG
NO. OF CONTAINER(S)	1
VOLUME	60mL
SAMPLE ANALYSIS	Isotopic Uranium; Technetium-99; Total Uranium; TMS 3-7-05

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B1CFD3 G6COM	SOIL	3-10-05	0920	X

CHAIN OF POSSESSION / **SIGN/ PRINT NAMES**

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
Pfister/[signature] 3/10/05	1730	MO-026 FRIG #1 3/10/05	1730
MO-026/Ref #1 3-16-05	1035	JPope/[signature] 3-16-05	1035
JSPOPE/[signature] 3-16-05	1230	[signature] 3-16-05	1230

SPECIAL INSTRUCTIONS

** The STL-RL laboratory is to achieve a detection limit of 1 pCi/gm for Tc-99.
** The STL laboratories will close SDGs upon accumulation of 5 samples or at a minimum weekly.

LABORATORY SECTION	**RECEIVED BY**	**TITLE**	**DATE/TIME**
FINAL SAMPLE DISPOSITION	**DISPOSAL METHOD**	**DISPOSED BY**	**DATE/TIME**

A-6003-618(03/03)

SEVERN TRENT STL

Sample Check-in List

Date/Time Received: 3-16 1230

Client: FLH SDG #: W04589 NA [ ] SAF #: F05-009 NA [ ]

Work Order Number: J5C160275 Chain of Custody # F05-009-078, 79, 81, 82, 83, 84, 85, 101 125, 126, 127, 128, 129, 130, 131, 132, 133 134, 135

Shipping Container ID: NA Air Bill # NA

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? Yes [✓] No [ ]
4. Cooler temperature: _____ NA [ ] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 19
7. Sample holding times exceeded? NA [ ] 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 head space)
10. Sample pH taken? NA [✓] pH<2 [ ] pH>2 [ ] pH>9 [ ]
11. Sample Location, Sample Collector Listed? * Yes [ ] No [✓]
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: [signature] Date: 3-16-05

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

LS-023, 9/03, Rev. 5

3/18/2005 3:56:25 PM

Sample Preparation/Analysis

Balance Id:1120373922

108302, FLUOR HANFORD IC , Flour
Hanford Inc

7S Ulso PrpRC5013/~~RC5019~~ 5032 mH 3/18/05, SepRC~~5079~~(5039) 5067 cef 3-25-05
SR Uranium-234,235,238 by Alpha Spec
5I CLIENT: HANFORD

Pipet #: _____

Report Due: ~~03/31/2005~~ 3/25/05 mH 3/18/05

Sep1 DT/Tm Tech:

Batch: 5076485 SOIL pCi/g

PM, Quote: BG2, 50639

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,HansenM

[redacted]

	Work Order, Lot, Sample DateTime	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:
1	1 G6CW5-1-AA J5C160275-1-SAMP [redacted] 03/08/2005 12:15		2.02g,in AmtRec: 60G	UITC12578 01/31/05,pd 10/12/04,r #Containers: 1	200		Scr Rst:	Alpha: 7.12E+01 pCi/g	Beta: 1.75E+01 pCi/g
2	2 G6CW5-1-AD-X J5C160275-1-DUP [redacted] 03/08/2005 12:15		2.06g,in AmtRec: 60G	UITC12579 01/31/05,pd 10/12/04,r #Containers: 1			Scr Rst:	Alpha: 7.12E+01 pCi/g	Beta: 1.75E+01 pCi/g
3	3 G6CW8-1-AA J5C160275-2-SAMP [redacted] 03/09/2005 14:30		2.02g,in AmtRec: 60G	UITC12580 01/31/05,pd 10/12/04,r #Containers: 1			Scr Rst:	Alpha: 7.08E+01 pCi/g	Beta: 1.65E+01 pCi/g
4	4 G6CXC-1-AA J5C160275-3-SAMP [redacted] 03/09/2005 08:20		2.05g,in AmtRec: 60G	UITC12581 01/31/05,pd 10/12/04,r #Containers: 1			Scr Rst:	Alpha: 6.57E+01 pCi/g	Beta: 1.62E+01 pCi/g
5	5 G6CXJ-1-AA J5C160275-4-SAMP [redacted] 03/09/2005 09:05		2.05g,in AmtRec: 60G	UITC12582 01/31/05,pd 10/12/04,r #Containers: 1			Scr Rst:	Alpha: 1.35E+02 pCi/g	Beta: 3.89E+01 pCi/g
6	6 G6CXL-1-AA J5C160275-5-SAMP [redacted] 03/09/2005 09:30		2.00g,in AmtRec: 60G	UITC12583 01/31/05,pd 10/12/04,r #Containers: 1			Scr Rst:	Alpha: 1.58E+02 pCi/g	Beta: 4.23E+01 pCi/g
7	7 G6CXN-1-AA J5C160275-6-SAMP [redacted] 03/08/2005 15:30		2.03g,in AmtRec: 60G	UITC12584 01/31/05,pd 10/12/04,r #Containers: 1			Scr Rst:	Alpha: 6.57E+01 pCi/g	Beta: 1.64E+01 pCi/g

STL Richland Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Page 1 ISV - Insufficient Volume for Analysis WO Cnt: 7
Richland Wa. pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added Prep_SamplePrep v4.8.08

3/18/2005 3:56:27 PM

Sample Preparation/Analysis

Balance Id:1120373922

108302, FLUOR HANFORD IC , Flour
Hanford Inc

7S Uiso PrpRC5013/~~RC6019~~ 5032, SepRC~~5079~~(5039) 5067 of 3-25-05
SR Uranium-234,235,238 by Alpha Spec
5I CLIENT: HANFORD

Pipet #: _____

Report Due: 03/31/2005

Sep1 DT/Tm Tech:

Batch: 5076485 SOIL pCi/g PM, Quote: BG2, 50639

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,HansenM

[redacted]

Work Order, Lot, Sample DateTime	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:
8 G6CXQ-1-AA J5C160275-7-SAMP [redacted] 03/09/2005 12:07		2.00g,in AmtRec: 60G	UITC12585 01/31/05,pd 10/12/04,r #Containers: 1	200			Scr Rst: Alpha: 4.64E+01 pCi/g	Beta: 1.05E+01 pCi/g
9 G6CXR-1-AA J5C160275-8-SAMP [redacted] 03/09/2005 14:30		2.04g,in AmtRec: 60G	UITC12586 01/31/05,pd 10/12/04,r #Containers: 1				Scr Rst: Alpha: 6.33E+01 pCi/g	Beta: 1.77E+01 pCi/g
10G6CXT-1-AA J5C160275-9-SAMP [redacted] 03/11/2005 14:30		2.01g,in AmtRec: 60G	UITC12587 01/31/05,pd 10/12/04,r #Containers: 1				Scr Rst: Alpha: 4.37E+01 pCi/g	Beta: 1.15E+01 pCi/g
11G6CXV-1-AA J5C160275-10-SAMP [redacted] 03/11/2005 09:10		2.06g,in AmtRec: 60G	UITC12588 01/31/05,pd 10/12/04,r #Containers: 1				Scr Rst: Alpha: 7.32E+01 pCi/g	Beta: 1.71E+01 pCi/g
12G6CXW-1-AA J5C160275-11-SAMP [redacted] 03/11/2005 12:10		2.07g,in AmtRec: 60G	UITC12589 01/31/05,pd 10/12/04,r #Containers: 1				Scr Rst: Alpha: 8.50E+01 pCi/g	Beta: 2.16E+01 pCi/g
13G6CXX-1-AA J5C160275-12-SAMP [redacted] 03/14/2005 10:45		2.03g,in AmtRec: 60G	UITC12590 01/31/05,pd 10/12/04,r #Containers: 1				Scr Rst: Alpha: 1.02E+02 pCi/g	Beta: 3.01E+01 pCi/g
14G6CX5-1-AA J5C160275-13-SAMP [redacted] 03/14/2005 13:00		2.01g,in AmtRec: 60G	UITC12591 01/31/05,pd 10/12/04,r #Containers: 1				Scr Rst: Alpha: 8.31E+01 pCi/g	Beta: 2.28E+01 pCi/g

3/18/2005 3:56:28 PM

Sample Preparation/Analysis

108302, FLUOR HANFORD IC , Flour
Hanford Inc

7S Uiso PrpRC5013/~~RC5019~~ 5032, SepRC~~5079~~(5039)
SR Uranium-234,235,238 by Alpha Spec
5I CLIENT: HANFORD

5067 of 3-25-05

Balance Id:1120373922
Pipet #: _____

Report Due: 03/31/2005

Sep1 DT/Tm Tech:

Batch: 5076485 SOIL pCi/g PM, Quote: BG2, 50639

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,HansenM

[redacted]

Work Order, Lot, Sample DateTime	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:
15G6CX8-1-AA J5C160275-14-SAMP [redacted] 03/10/2005 09:20		2.05g,in AmtRec: 60G	UITC12592 01/31/05,pd 10/12/04,r #Containers: 1	200			Scr Rst: Alpha: 2.02E+02 pCi/g	Beta: 4.95E+01 pCi/g
16G6C0A-1-AA J5C160275-15-SAMP [redacted] 03/10/2005 12:31		2.00g,in AmtRec: 60G	UITC12593 01/31/05,pd 10/12/04,r #Containers: 1				Scr Rst: Alpha: 7.26E+01 pCi/g	Beta: 1.76E+01 pCi/g
17G6C0D-1-AA J5C160275-16-SAMP [redacted] 03/10/2005 14:50		2.05g,in AmtRec: 60G	UITC12594 01/31/05,pd 10/12/04,r #Containers: 1				Scr Rst: Alpha: 4.70E+01 pCi/g	Beta: 1.28E+01 pCi/g
18G6C0H-1-AA J5C160275-17-SAMP [redacted] 03/10/2005 15:35		2.01g,in AmtRec: 60G	UITC12595 01/31/05,pd 10/12/04,r #Containers: 1				Scr Rst: Alpha: 6.37E+02 pCi/g	Beta: 1.81E+02 pCi/g
19G6C0L-1-AA J5C160275-18-SAMP [redacted] 03/10/2005 16:00		2.07g,in AmtRec: 60G	UITC12596 01/31/05,pd 10/12/04,r #Containers: 1				Scr Rst: Alpha: 5.03E+02 pCi/g	Beta: 1.49E+02 pCi/g
20G6C0M-1-AA J5C160275-19-SAMP [redacted] 03/10/2005 09:20		2.05g,in AmtRec: 60G	UITC12597 01/31/05,pd 10/12/04,r #Containers: 1				Scr Rst: Alpha: 7.48E+01 pCi/g	Beta: 1.92E+01 pCi/g
21G6GV8-1-AA-B J5C170000-485-BLK [redacted] 03/08/2005 12:15		2.00g,in AmtRec:	UITC12598 01/31/05,pd 10/12/04,r #Containers: 1				Scr Rst: Alpha:	Beta:

63

3/18/2005 3:56:29 PM

Sample Preparation/Analysis

7S Uiso PrpRC5013/~~RC5019~~ 5072, SepRC~~5079~~(5039) 5067 of 3-25-05
SR Uranium-234,235,238 by Alpha Spec
5I CLIENT: HANFORD

Balance Id:1120373922
Pipet #: _____
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech: ,HansenM

Report Due: 03/31/2005

Batch: 5076485 pCi/g
SEQ Batch, Test: None

[redacted]

Work Order, Lot, Sample DateTime	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:
22G6GV8-1-AC-C J5C170000-485-LCS [redacted] 03/08/2005 12:15		2.00g,in AmtRec:	UISH0351 02/10/05,pd 07/23/04,r #Containers: 1	200			Scr Rst:	Alpha: Beta:

Comments: samples were crashed out 3/21/05

All Clients for Batch:
108302, FLUOR HANFORD IC Flour Hanford Inc , BG2, 50639

G6CW51AA-SAMP Constituent List:

U-232	RDL:	pCi/g	LCL:20	UCL:105	RPD:35	U-234	RDL:1	pCi/g	LCL:	UCL:	RPD:
U-235	RDL:1	pCi/g	LCL:	UCL:	RPD:	U-238	RDL:1	pCi/g	LCL:	UCL:	RPD:

G6GV81AA-BLK:

U-232	RDL:	pCi/g	LCL:20	UCL:105	RPD:35	U-234	RDL:1	pCi/g	LCL:	UCL:	RPD:
U-235	RDL:1	pCi/g	LCL:	UCL:	RPD:	U-238	RDL:1	pCi/g	LCL:	UCL:	RPD:

G6GV81AC-LCS:

U-232	RDL:	pCi/g	LCL:20	UCL:105	RPD:35	Uranium	RDL:	pCi/g	LCL:70	UCL:130	RPD:35

G6CW51AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
G6GV81AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
G6GV81AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

3/28/2005 12:20:05 PM

ICOC Fraction Transfer/Status Report

ByDate: 3/28/2004, 4/2/2005, Batch: '5076485', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
5076485						
AC		CalcC	HansenM	3/18/2005 3:57:48 PM		
SC			wagnerj	IsBatched	3/17/2005 5:53:12 PM	ICOC_RADCALC v4.8.08
SC			HansenM	InPrep2	3/18/2005 3:57:48 PM	RICH-RC-5032 REVISION 2
SC			HansenM	Prep2C	3/21/2005 5:08:03 PM	RICH-RC-5032 REVISION 2
SC			FinchA	InSep1	3/24/2005 4:16:38 PM	RICH-RC-5067 REVISION 6
SC			BarbosaH	InSep2	3/24/2005 5:08:04 PM	RICHRC5039 REV4
SC			BarbosaH	Sep2C	3/24/2005 7:57:55 PM	RICHRC5039 REV4
SC			BlackCL	CalcC	3/25/2005 9:21:29 AM	RICH-RD-0008 REVISION 3
AC			HansenM	3/21/2005 5:08:03 PM		
AC			FinchA	3/24/2005 4:16:38 PM		
AC			BarbosaH	3/24/2005 5:08:04 PM		
AC			BarbosaH	3/24/2005 7:57:55 PM		
AC			BlackCL	3/25/2005 9:21:29		

AC: Accepting Entry; SC: Status Change

STL Richland

Richland Wa.

Grp Rec Cnt: 6

ICOCFractions v4.8.09

3/21/2005 1:59:10 PM

Sample Preparation/Analysis

108302, FLUOR HANFORD IC , Flour
Hanford Inc

AN Tc-99 Prp/SepRC5013/5078
S5 Technetium-99 by Liquid Scint
5I CLIENT: HANFORD

Report Due: 03/31/2005

Batch: 5076486 SOIL pCi/g **PM, Quote: BG2, 50639**
SEQ Batch, Test: None

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

[redacted]

Work Order, Lot, Sample DateTime	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:
1 G6CW5-1-AC J5C160275-1-SAMP [redacted] 03/08/2005 12:15		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 7.12E+01 pCi/g	Beta: 1.75E+01 pCi/g
2 G6CW8-1-AC J5C160275-2-SAMP [redacted] 03/09/2005 14:30		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 7.08E+01 pCi/g	Beta: 1.65E+01 pCi/g
3 G6CW8-1-AD-X J5C160275-2-DUP [redacted] 03/09/2005 14:30		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 7.08E+01 pCi/g	Beta: 1.65E+01 pCi/g
4 G6CXC-1-AC J5C160275-3-SAMP [redacted] 03/09/2005 08:20		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 6.57E+01 pCi/g	Beta: 1.62E+01 pCi/g
5 G6CXC-1-AD-S J5C160275-3-MS [redacted] 03/09/2005 08:20		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 6.57E+01 pCi/g	Beta: 1.62E+01 pCi/g
6 G6CXJ-1-AC J5C160275-4-SAMP [redacted] 03/09/2005 09:05		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 1.35E+02 pCi/g	Beta: 3.89E+01 pCi/g
7 G6CXL-1-AC J5C160275-5-SAMP [redacted] 03/09/2005 09:30		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 1.58E+02 pCi/g	Beta: 4.23E+01 pCi/g

3/21/2005 1:59:12 PM

Sample Preparation/Analysis

108302, FLUOR HANFORD IC , Flour
Hanford Inc

AN Tc-99 Prp/SepRC5013/5078
S5 Technetium-99 by Liquid Scint
5I CLIENT: HANFORD

Report Due: 03/31/2005

Batch: 5076486 SOIL pCi/g
SEQ Batch, Test: None

PM, Quote: BG2, 50639

[redacted]

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

Work Order, Lot, Sample DateTime	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:
8 G6CXN-1-AC J5C160275-6-SAMP [redacted] 03/08/2005 15:30		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 6.57E+01 pCi/g	Beta: 1.64E+01 pCi/g
9 G6CXQ-1-AC J5C160275-7-SAMP [redacted] 03/09/2005 12:07		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 4.64E+01 pCi/g	Beta: 1.05E+01 pCi/g
10 G6CXR-1-AC J5C160275-8-SAMP [redacted] 03/09/2005 14:30		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 6.33E+01 pCi/g	Beta: 1.77E+01 pCi/g
11 G6CXT-1-AC J5C160275-9-SAMP [redacted] 03/11/2005 14:30		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 4.37E+01 pCi/g	Beta: 1.15E+01 pCi/g
12 G6CXV-1-AC J5C160275-10-SAMP [redacted] 03/11/2005 09:10		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 7.32E+01 pCi/g	Beta: 1.71E+01 pCi/g
13 G6CXW-1-AC J5C160275-11-SAMP [redacted] 03/11/2005 12:10		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 8.50E+01 pCi/g	Beta: 2.16E+01 pCi/g
14 G6CXX-1-AC J5C160275-12-SAMP [redacted] 03/14/2005 10:45		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 1.02E+02 pCi/g	Beta: 3.01E+01 pCi/g

3/21/2005 1:59:12 PM

Sample Preparation/Analysis

108302, FLUOR HANFORD IC , Flour
Hanford Inc

AN Tc-99 Prp/SepRC5013/5078
S5 Technetium-99 by Liquid Scint
5I CLIENT: HANFORD

Report Due: 03/31/2005

Batch: 5076486 SOIL pCi/g PM, Quote: BG2, 50639
SEQ Batch, Test: None

Balance Id:
Pipet #: _____
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

[redacted]

Work Order, Lot, Sample DateTime	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:
15G6CX5-1-AC J5C160275-13-SAMP [redacted] 03/14/2005 13:00		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 8.31E+01 pCi/g	Beta: 2.28E+01 pCi/g
16G6CX8-1-AC J5C160275-14-SAMP [redacted] 03/10/2005 09:20		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 2.02E+02 pCi/g	Beta: 4.95E+01 pCi/g
17G6C0A-1-AC J5C160275-15-SAMP [redacted] 03/10/2005 12:31		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 7.26E+01 pCi/g	Beta: 1.76E+01 pCi/g
18G6C0D-1-AC J5C160275-16-SAMP [redacted] 03/10/2005 14:50		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 4.70E+01 pCi/g	Beta: 1.28E+01 pCi/g
19G6C0H-1-AC J5C160275-17-SAMP [redacted] 03/10/2005 15:35		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 6.37E+02 pCi/g	Beta: 1.81E+02 pCi/g
20G6C0L-1-AC J5C160275-18-SAMP [redacted] 03/10/2005 16:00		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 5.03E+02 pCi/g	Beta: 1.49E+02 pCi/g
21G6C0M-1-AC J5C160275-19-SAMP [redacted] 03/10/2005 09:20		AmtRec: 60G	#Containers: 1				Scr Rst: Alpha: 7.48E+01 pCi/g	Beta: 1.92E+01 pCi/g

3/21/2005 1:59:13 PM

Sample Preparation/Analysis

AN Tc-99 Prp/SepRC5013/5078
S5 Technetium-99 by Liquid Scint
5I CLIENT: HANFORD

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

Report Due: 03/31/2005

Batch: 5076486 pCi/g
SEQ Batch, Test: None

[redacted]

Work Order, Lot, Sample DateTime	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:
22G6GWF-1-AA-B J5C170000-486-BLK [redacted] 03/09/2005 14:30		AmtRec:	#Containers: 1				Scr Rst: Alpha:	Beta:
23G6GWF-1-AC-C J5C170000-486-LCS [redacted] 03/09/2005 14:30		AmtRec:	#Containers: 1				Scr Rst: Alpha:	Beta:
24G6GWF-1-AD-BN J5C170000-486-IBLK [redacted] 03/09/2005 14:30		AmtRec:	#Containers: 1				Scr Rst: Alpha:	Beta:
25G6GWF-1-AE-BN J5C170000-486-IBLK [redacted] 03/09/2005 14:30		AmtRec:	#Containers: 1				Scr Rst: Alpha:	Beta:
26G6GWF-1-AF-B N J5C170000-486-BLK [redacted] 03/09/2005 14:30		AmtRec:	#Containers: 1				Scr Rst: Alpha:	Beta:

Comments:

All Clients for Batch:
108302, FLUOR HANFORD IC Flour Hanford Inc , BQ2, 50639

G6CW51AC-SAMP Constituent List:
Tc-99 RDL:15 pCi/g LCL:70 UCL:130 RPD:35

STL Richland Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Page 4 ISV - Insufficient Volume for Analysis WO Cnt: 26
Richland Wa. pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added ICOC v4.8.08

3/21/2005 1:59:14 PM

Sample Preparation/Analysis

AN Tc-99 Prp/SepRC5013/5078
S5 Technetium-99 by Liquid Scint
5I CLIENT: HANFORD

Balance Id:
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech:

Report Due: 03/31/2005

Batch: 5076486 pCi/g
SEQ Batch, Test: None

[redacted]

Work Order, Lot, Sample DateTime	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:

G6CXC1AD-MS:

G6GWF1AA-BLK:
Tc-99 RDL:15 pCi/g LCL: UCL: RPD:
G6GWF1AC-LCS:
Tc-99 RDL:15 pCi/g LCL:70 UCL:130 RPD:35
G6GWF1AD-IBLK:
Tc-99 RDL:15 pCi/g LCL: UCL: RPD:
G6GWF1AE-IBLK:
Tc-99 RDL:15 pCi/g LCL: UCL: RPD:
G6GWF1AF-BLK:
Tc-99 RDL:15 pCi/g LCL: UCL: RPD:

G6CW51AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
G6CXC1AD-MS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
G6GWF1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
G6GWF1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
G6GWF1AD-IBLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
G6GWF1AE-IBLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
G6GWF1AF-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

3/29/2005 1:48:42 PM

ICOC Fraction Transfer/Status Report

ByDate: 3/29/2004, 4/3/2005, Batch: '5076486', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
5076486						
AC		CalcC	FinchA	3/21/2005 4:21:23 PM		
SC			wagnerj	IsBatched	3/17/2005 5:53:12 PM	ICOC_RADCALC v4.8.08
SC			FinchA	InSep1	3/21/2005 4:21:23 PM	RICH-RC-5078 REVISION 2
SC			FinchA	Sep1C	3/24/2005 3:04:04 PM	RICH-RC-5078 REVISION 2
SC			StringerR	InCnt1	3/24/2005 3:11:26 PM	RICH-RD-0001 REVISION 3
SC			BlackCL	CalcC	3/28/2005 9:50:10 AM	RICH-RD-0001 REVISION 3
AC			FinchA	3/24/2005 3:04:04 PM		
AC			StringerR	3/24/2005 3:11:26 PM		
AC			BlackCL	3/28/2005 9:50:10		

AC: Accepting Entry; SC: Status Change

STL Richland

Richland Wa.

Grp Rec Cnt: 4

ICOCFractions v4.8.09