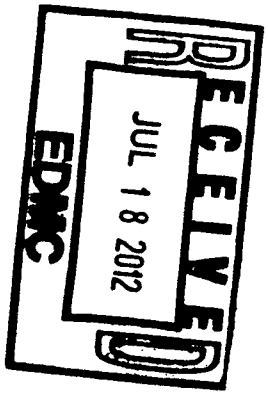

Analytical Data Package Prepared For

Pacific Northwest National Lab

Radiochemical Analysis By

STL Richland STLRL

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

Data Package Contains _____ Pages

Report Nbr: 34225

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05071	W07-011	B1L657	J6K300220-1	JKKAX1AA	9JKKAX10	6339469
		B1L657	J6K300220-1	JKKAX1AC	9JKKAX10	6339478
		B1L657	J6K300220-1	JKKAX1AD	9JKKAX10	6339482
		B1L657	J6K300220-1	JKKAX1AE	9JKKAX10	6339490
		B1L657	J6K300220-1	JKKAX1AF	9JKKAX10	6339472
		B1L657	J6K300220-1	JKKAX1AG	9JKKAX10	6339461
		B1L682	J6K300220-2	JKKA91AA	9JKKA910	6339461
		B1L666	J6K300220-3	JKKCJ1AA	9JKKCJ10	6339478
		B1L666	J6K300220-3	JKKCJ1AC	9JKKCJ10	6339482
		B1L666	J6K300220-3	JKKCJ1AD	9JKKCJ10	6339490
		B1L666	J6K300220-3	JKKCJ1AE	9JKKCJ10	6339501
	I07-010	B1L2F8	J6K300234-1	JKKD71AA	9JKKD710	6339472
		B1L2F8	J6K300234-1	JKKD71AC	9JKKD710	6339461
		B1L2F3	J6K300234-2	JKKE11AA	9JKKE110	6339472
		B1L2F3	J6K300234-2	JKKE11AC	9JKKE110	6339492

Comments:

12154454

Report Nbr: 34225

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05071	I07-010	B1L2F3	J6K300234-2	JKKE11AD	9JKKE110	6339461
		B1L2D8	J6K300234-3	JKKF11AA	9JKKF110	6339472
		B1L2D8	J6K300234-3	JKKF11AC	9JKKF110	6339492
		B1L2D8	J6K300234-3	JKKF11AD	9JKKF110	6339461
		B1L2D3	J6K300234-4	JKKF71AA	9JKKF710	6339472
		B1L2D3	J6K300234-4	JKKF71AC	9JKKF710	6339492
		B1L2D3	J6K300234-4	JKKF71AD	9JKKF710	6339461
		B1L284	J6K300234-5	JKKGA1AA	9JKKGA10	6339472
		B1L284	J6K300234-5	JKKGA1AC	9JKKGA10	6339492
		B1L284	J6K300234-5	JKKGA1AD	9JKKGA10	6339461
	I07-009	B1L1V2	J6K300268-1	JKKNA1AC	9JKKNA10	6339500
		B1L1V2	J6K300268-1	JKKNA1AD	9JKKNA10	6339490
		B1L1V2	J6K300268-1	JKKNA1AE	9JKKNA10	6339472
		B1L1V2	J6K300268-1	JKKNA1AF	9JKKNA10	6339492
		B1L1V2	J6K300268-1	JKKNA2AA	9JKKNA20	7009255
		B1L1W8	J6K300334-1	JKLGC1AA	9JKLGC10	6339472
		B1L1W8	J6K300334-1	JKLGC1AC	9JKLGC10	6339492
		B1L1W8	J6K300334-1	JKLGC1AD	9JKLGC10	6339461
		B1L1W5	J6K300334-2	JKLGE1AA	9JKLGE10	6339472
		B1L1W1	J6K300334-3	JKLGN1AA	9JKLGN10	6339472
		B1L1W9	J6K300334-4	JKLGP1AA	9JKLGP10	6339472
		B1L1W9	J6K300334-4	JKLGP1AC	9JKLGP10	6339492
		B1L1W9	J6K300334-4	JKLGP1AD	9JKLGP10	6339461
	S07-011	B1L3T4	J6L010217-1	JKMVL1AA	9JKMVL10	6339490
		B1L3T4	J6L010217-1	JKMVL1AC	9JKMVL10	6339472
		B1L3T4	J6L010217-1	JKMVL1AD	9JKMVL10	6339461

Comments:

Report Nbr: 34225

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05071	S07-011	B1L3T4	J6L010217-1	JKMVL1AE	9JKMVL10	6339496
	I07-010	B1L2H3	J6L020166-1	JKPE21AA	9JKPE210	6339469
		B1L2H3	J6L020166-1	JKPE21AC	9JKPE210	6339472
		B1L2H3	J6L020166-1	JKPE21AD	9JKPE210	6339461
	W07-011	B1L669	J6L020170-1	JKPGF1AA	9JKPGF10	6339478
		B1L669	J6L020170-1	JKPGF1AC	9JKPGF10	6339482
		B1L669	J6L020170-1	JKPGF1AD	9JKPGF10	6339488
		B1L669	J6L020170-1	JKPGF1AE	9JKPGF10	6339501
		B1L5W1	J6L020170-2	JKPGN1AA	9JKPGN10	6339469
		B1L5W1	J6L020170-2	JKPGN1AC	9JKPGN10	6339478
		B1L5W1	J6L020170-2	JKPGN1AD	9JKPGN10	6339482
		B1L5W1	J6L020170-2	JKPGN1AE	9JKPGN10	6339461
		B1L5X3	J6L020170-3	JKPGR1AA	9JKPGR10	6339469
		B1L5X3	J6L020170-3	JKPGR1AC	9JKPGR10	6339478
		B1L5X3	J6L020170-3	JKPGR1AD	9JKPGR10	6339482
		B1L5X3	J6L020170-3	JKPGR1AE	9JKPGR10	6339490
		B1L5X3	J6L020170-3	JKPGR1AF	9JKPGR10	6339472
		B1L5X3	J6L020170-3	JKPGR1AG	9JKPGR10	6339461
		B1L729	J6L020170-4	JKPG51AA	9JKPG510	6339478
		B1L729	J6L020170-4	JKPG51AC	9JKPG510	6339482
	I07-010	B1L254	J6L020178-1	JKPHJ1AA	9JKPHJ10	6339472

Comments:

SEVERN TRENT STL

STL Richland
2800 George Washington Way
Richland, WA 99354

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www.stl-inc.com

Certificate of Analysis

Pacific Northwest National Laboratories
Sigma V Building
Richland, WA 99352

January 18, 2007

Attention: Dot Stewart

SAF Number	:	W07-011, I07-010, I07-009, S07-011,
Date SDG Closed	:	December 1, 2006
Number of Samples	:	Twenty (20)
Sample Type	:	Water
SDG Number	:	W05071
Data Deliverable	:	45-Day / Summary

CASE NARRATIVE

I. Introduction

Between November 28, 2006 and December 1, 2006, twenty 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 Pacific Northwest National Laboratories (PGW) specific IDs:

PGW ID#	STLR ID#	DATE OF RECEIPT	MATRIX
B1L682	JKKA9	11/28/06	WATER
B1L657	JKKAX	11/28/06	WATER
B1L666	JKKCJ	11/28/06	WATER
B1L284	JKKGA	11/28/06	WATER
B1L2D3	JKKF7	11/28/06	WATER
B1L2D8	JKKF1	11/28/06	WATER
B1L2F3	JKKE1	11/28/06	WATER
B1L2F8	JKKD7	11/28/06	WATER
B1L1V2	JKKNA	11/29/06	WATER
B1L1W9	JKLGP	11/29/06	WATER
B1L1W1	JKLGN	11/29/06	WATER
B1L1W5	JKLGE	11/29/06	WATER
B1L1W8	JKLGC	11/29/06	WATER

B1L3T4	JKMVL	11/30/06	WATER
B1L2H3	JKPE2	11/30/06	WATER
B1L729	JKPG5	11/30/06	WATER
B1L5X3	JKPGR	11/30/06	WATER
B1L5W1	JKPGN	11/30/06	WATER
B1L669	JKPGF	11/30/06	WATER
B1L254	JKPHJ	12/01/06	WATER

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
Neptunium-237 by method RICH-RC-5009
Gas Proportional Counting
Gross Alpha by method RICH-RC-5014
Gross Beta by method RICH-RC-5014
Strontium-90 by method RICH-RC-5006
Gamma Spectroscopy
Gamma Spec by method RICH-RC-5017
Gamma Spec (LL) by method RICH-RC-5017
Iodine-129 (LL) by method RICH-RC-5025
Liquid Scintillation Counting
Technetium-99 by TEVA method RICH-RC-5065
Tritium by method RICH-RC-5007
Carbon-14 by method RICH-RC-5022
Nickel 63 by method RICH-RC-5016
Laser Induced Phosphorimetry
Total Uranium by method RICH-RC-5058

IV. Quality Control

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

QC and sample results are reported in the same units.

V. Comments

Alpha Spectroscopy

Neptunium-237 by method RICH-RC-5064:
On the original analysis the LCS had a 55% recovery and the spectra was smeared. The batch was reanalyzed with good results. Data accepted. Except as noted, the LCS, batch blank, samples and sample duplicate (B1L1V2) results are within contractual requirements.

Gas Proportional Counting

Gross Alpha by method RICH-RC-5014:
The LCS, batch blank, samples and sample duplicate (B1L5X3) results are within contractual requirements.

Gross Beta by method RICH-RC-5014:
The achieved MDAs for all of the samples are greater than the CRDL due to sample matrix effects; reduced volumes were analyzed based on an elevated screen results. The detected activities exceed the achieved MDAs. Except as noted, the LCS, batch blank, samples and sample duplicate (B1L657) results are within contractual requirements.

Strontium-90 by method RICH-RC-5006
The LCS, batch blank, samples and sample duplicate (B1L2F3) results are within contractual requirements.

Gamma Spectroscopy

Gamma Spec by method RICH-RC-5017:
There was insufficient sample for duplicate analysis. The sample was recounted on a different detector for a replicate. Except as noted, the LCS, batch blank, samples and sample duplicate (B1L669) results are within contractual requirements.

Gamma Spec (LL) by method RICH-RC-5017:
The LCS, batch blank, samples and sample duplicate (B1L1V2) results are within contractual requirements.

Iodine-129 (LL) by method RICH-RC-5025:
The LCS, batch blank, samples and sample duplicate (B1L254) results are within contractual requirements.

Liquid Scintillation Counting

Carbon-14 by method RICH-RC-5022:
The LCS, batch blank, samples and sample duplicate (B1L1V2) results are within contractual requirements.

Nickel 63 by method RICH-RC-5016:
The LCS, batch blank, samples and sample duplicate (B1L666) results are within contractual requirements.

Pacific Northwest National Laboratories
January 18, 2007

Technetium-99 by TEVA method RICH-RC-5065:
The LCS, batch blank, samples, sample duplicate (B1L2H3), and sample matrix spike (B1L1W8) results are within contractual requirements.

Tritium by method RICH-RC-5007:
The LCS, batch blank, samples and sample duplicate (B1L5W1) results are within contractual requirements.

Total Uranium
Total Uranium by method RICH-RC-5058:
The LCS, batch blank, samples, sample duplicate (B1L3T4), and sample matrix spike (B1L3T4) results are within contractual requirements.

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

Reviewed and approved:

Sherryl A. Adam
Project Manager

Drinking Water Method Cross References

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

Uncertainty Estimation

STL Richland has adopted the internationally accepted approach to estimating uncertainties described in "NIST Technical Note 1297, 1994 Edition". The approach, "Law of Propagation of Errors", involves the identification of all variables in an analytical method which are used to derive a result. These variables are related to the analytical result (R) by some functional relationship, R = 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.

STL Richland Report

Lab Code: STLRL

FormNbr: R FormatType: FEAD Version: 05 Rpt Nbr: 34225 File Name: h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKKA910	B1L682		MW6-SBB-A1	W07-011	W05071					11/28/2006 10:31

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339461	TC-99	14133-76-7	2.89E+01	pCi/L	4.9E+00	7.5E+00		9.50E+00	100.0	TC99_ETVDSK_LS	1.271E-01	L	01/11/2007 18:12	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKKAX10	B1L657		MW6-SBB-A1	W07-011	W05071					11/28/2006 08:40

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339469	H-3	10028-17-8	6.81E+03	pCi/L	2.9E+02	4.1E+02		3.01E+02	100.0	906.0_H3_LSC	5.00E-03	L	12/29/2006 08:07	I
6339478	ALPHA	12587-46-1	1.64E+00	pCi/L	1.1E+00	1.2E+00		1.53E+00	100.0	9310_ALPHABETA	1.532E-01	L	01/11/2007 12:40	I
6339482	BETA	12587-47-2	3.70E+02	pCi/L	1.0E+01	4.9E+01		3.34E+00	100.0	9310_ALPHABETA	1.627E-01	L	01/11/2007 14:45	I
6339490	BE-7	13966-02-4	1.11E+01	pCi/L	3.1E+01	3.1E+01	U	5.87E+01		GAMMALL_GS	1.9948E+00	L	01/12/2007 08:55	I
6339490	CO-60	10198-40-0	3.79E+00	pCi/L	3.1E+00	3.1E+00	U	6.89E+00		GAMMALL_GS	1.9948E+00	L	01/12/2007 08:55	I
6339490	CS-134	13967-70-9	-8.69E-01	pCi/L	2.1E+00	2.1E+00	U	3.70E+00		GAMMALL_GS	1.9948E+00	L	01/12/2007 08:55	I
6339490	CS-137	10045-97-3	5.83E-01	pCi/L	2.0E+00	2.0E+00	U	4.00E+00		GAMMALL_GS	1.9948E+00	L	01/12/2007 08:55	I
6339490	EU-152	14683-23-9	1.47E+00	pCi/L	4.6E+00	4.6E+00	U	8.91E+00		GAMMALL_GS	1.9948E+00	L	01/12/2007 08:55	I
6339490	EU-154	15585-10-1	3.64E+00	pCi/L	7.1E+00	7.1E+00	U	1.51E+01		GAMMALL_GS	1.9948E+00	L	01/12/2007 08:55	I
6339490	EU-155	14391-16-3	-5.31E-01	pCi/L	5.1E+00	5.1E+00	U	9.00E+00		GAMMALL_GS	1.9948E+00	L	01/12/2007 08:55	I
6339490	K-40	13966-00-2	-1.18E+01	pCi/L	5.3E+01	5.3E+01	U	1.19E+02		GAMMALL_GS	1.9948E+00	L	01/12/2007 08:55	I
6339490	RU-106	13967-48-1	1.25E+00	pCi/L	2.2E+01	2.2E+01	U	4.02E+01		GAMMALL_GS	1.9948E+00	L	01/12/2007 08:55	I
6339490	SB-125	14234-35-6	-3.29E+00	pCi/L	5.8E+00	5.8E+00	U	9.62E+00		GAMMALL_GS	1.9948E+00	L	01/12/2007 08:55	I
6339472	I-129L	15046-84-1	-9.49E-02	pCi/L	1.5E-01	1.5E-01	U	2.49E-01	95.9	I129LL_SEP_LEPS	3.8406E+00	L	01/12/2007 12:29	I
6339461	TC-99	14133-76-7	1.57E+03	pCi/L	2.2E+01	1.1E+02		9.57E+00	100.0	TC99_ETVDSK_LS	1.258E-01	L	01/11/2007 18:12	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKKCJ10	B1L666		MW6-SBB-A1	W07-011	W05071					11/28/2006 13:00

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339478	ALPHA	12587-46-1	9.05E-01	pCi/L	1.1E+00	1.1E+00	U	2.10E+00	100.0	9310_ALPHABETA	1.124E-01	L	01/11/2007 12:40	I
6339482	BETA	12587-47-2	1.04E+03	pCi/L	2.1E+01	1.3E+02		5.16E+00	100.0	9310_ALPHABETA	1.071E-01	L	01/11/2007 14:45	I
6339490	BE-7	13966-02-4	-1.50E+01	pCi/L	2.9E+01	2.9E+01	U	4.98E+01		GAMMALL_GS	2.0011E+00	L	01/12/2007 08:55	I
6339490	CO-60	10198-40-0	2.54E+00	pCi/L	2.6E+00	2.6E+00	U	5.88E+00		GAMMALL_GS	2.0011E+00	L	01/12/2007 08:55	I
6339490	CS-134	13967-70-9	-4.14E-01	pCi/L	2.5E+00	2.5E+00	U	4.61E+00		GAMMALL_GS	2.0011E+00	L	01/12/2007 08:55	I
6339490	CS-137	10045-97-3	1.46E-01	pCi/L	2.0E+00	2.0E+00	U	3.87E+00		GAMMALL_GS	2.0011E+00	L	01/12/2007 08:55	I

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

6339490	EU-152	14683-23-9	-3.92E+00	pCi/L	6.5E+00	6.5E+00	U	1.10E+01		GAMMALL_GS	2.0011E+00	L	01/12/2007	08:55 I
6339490	EU-154	15585-10-1	1.88E+00	pCi/L	5.9E+00	5.9E+00	U	1.28E+01		GAMMALL_GS	2.0011E+00	L	01/12/2007	08:55 I
6339490	EU-155	14391-16-3	2.90E+00	pCi/L	4.3E+00	4.3E+00	U	7.91E+00		GAMMALL_GS	2.0011E+00	L	01/12/2007	08:55 I
6339490	K-40	13966-00-2	-2.81E+01	pCi/L	4.9E+01	4.9E+01	U	1.08E+02		GAMMALL_GS	2.0011E+00	L	01/12/2007	08:55 I
6339490	RU-106	13967-48-1	-9.98E+00	pCi/L	2.2E+01	2.2E+01	U	3.76E+01		GAMMALL_GS	2.0011E+00	L	01/12/2007	08:55 I
6339490	SB-125	14234-35-6	3.91E+00	pCi/L	5.8E+00	5.8E+00	U	1.14E+01		GAMMALL_GS	2.0011E+00	L	01/12/2007	08:55 I
6339501	NI-63	13981-37-8	-2.16E+00	pCi/L	1.6E+00	2.7E+00	U	3.92E+00	91.1	NI63_LSC	3.957E-01	L	01/09/2007	15:53 I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKKD710	B1L2F8		MW6-SBB-A1	I07-010	W05071					11/28/2006 13:00

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339472	I-129L	15046-84-1	-1.81E-02	pCi/L	1.5E-01	1.5E-01	U	2.28E-01	92.7	I129LL_SEP_LEPS	3.8961E+00	L	01/12/2007 12:29	I
6339461	TC-99	14133-76-7	4.31E+03	pCi/L	3.6E+01	3.0E+02		9.62E+00	100.0	TC99_ETVDSK_LS	1.256E-01	L	01/11/2007 18:12	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKKE110	B1L2F3		MW6-SBB-A1	I07-010	W05071					11/28/2006 11:11

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339472	I-129L	15046-84-1	1.45E-01	pCi/L	1.2E-01	1.2E-01	U	2.57E-01	93.0	I129LL_SEP_LEPS	3.8722E+00	L	01/12/2007 12:30	I
6339492	SR-90	10098-97-2	1.54E-01	pCi/L	2.9E-01	2.9E-01	U	5.99E-01	75.6	SRISO_SEP_PRE	1.0018E+00	L	01/17/2007 06:52	I
6339461	TC-99	14133-76-7	7.92E+01	pCi/L	6.2E+00	1.1E+01		9.58E+00	100.0	TC99_ETVDSK_LS	1.265E-01	L	01/11/2007 18:12	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKKF110	B1L2D8		MW6-SBB-A1	I07-010	W05071					11/28/2006 10:29

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339472	I-129L	15046-84-1	1.16E-01	pCi/L	1.4E-01	1.4E-01	U	2.77E-01	93.8	I129LL_SEP_LEPS	3.8751E+00	L	01/12/2007 14:19	I
6339492	SR-90	10098-97-2	7.16E-02	pCi/L	2.9E-01	3.0E-01	U	6.34E-01	74.4	SRISO_SEP_PRE	9.986E-01	L	01/17/2007 06:52	I
6339461	TC-99	14133-76-7	1.01E+02	pCi/L	6.7E+00	1.2E+01		9.63E+00	100.0	TC99_ETVDSK_LS	1.262E-01	L	01/11/2007 18:12	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKKF710	B1L2D3		MW6-SBB-A1	I07-010	W05071					11/28/2006 08:30

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339472	I-129L	15046-84-1	-5.79E-02	pCi/L	1.3E-01	1.3E-01	U	2.33E-01	91.6	I129LL_SEP_LEPS	3.8807E+00	L	01/12/2007 14:20	I
6339492	SR-90	10098-97-2	4.31E-01	pCi/L	2.8E-01	2.9E-01	U	5.61E-01	74.0	SRISO_SEP_PRE	1.0061E+00	L	01/17/2007 06:52	I
6339461	TC-99	14133-76-7	1.04E+02	pCi/L	6.7E+00	1.3E+01		9.51E+00	100.0	TC99_ETVDSK_LS	1.27E-01	L	01/11/2007 18:12	I

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

STL Richland Report

Lab Code: STLRL

FormNbr: R FormatType: FEAD Version: 05 Rpt Nbr: 34225 File Name: h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKKGA10	B1L284		MW6-SBB-A1	I07-010	W05071					11/28/2006 10:10

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339472	I-129L	15046-84-1	8.12E-02	pCi/L	1.2E-01	1.2E-01	U	2.49E-01	93.0	I129LL_SEP_LEPS	3.8928E+00	L	01/12/2007 14:21	I
6339492	SR-90	10098-97-2	-2.14E-01	pCi/L	3.0E-01	3.2E-01	U	7.37E-01	57.3	SRISO_SEP_PRE	1.0043E+00	L	01/17/2007 06:52	I
6339461	TC-99	14133-76-7	7.40E+01	pCi/L	6.1E+00	1.1E+01		9.57E+00	100.0	TC99_ETVDSK_LS	1.259E-01	L	01/11/2007 18:12	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKKNA10	B1L1V2		MW6-SBB-A1	I07-009	W05071					11/29/2006 10:26

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339500	C-14	14762-75-5	1.98E+00	pCi/L	3.4E+00	6.8E+00	U	8.09E+00	100.0	C14_LSC	2.00E-01	L	12/12/2006 05:44	I
6339490	BE-7	13966-02-4	5.15E+00	pCi/L	3.2E+01	3.2E+01	U	5.88E+01		GAMMALL_GS	1.9725E+00	L	01/12/2007 08:56	I
6339490	CO-60	10198-40-0	-8.02E-01	pCi/L	2.7E+00	2.7E+00	U	4.92E+00		GAMMALL_GS	1.9725E+00	L	01/12/2007 08:56	I
6339490	CS-134	13967-70-9	-9.43E-01	pCi/L	2.6E+00	2.6E+00	U	4.53E+00		GAMMALL_GS	1.9725E+00	L	01/12/2007 08:56	I
6339490	CS-137	10045-97-3	7.63E-01	pCi/L	2.4E+00	2.4E+00	U	4.56E+00		GAMMALL_GS	1.9725E+00	L	01/12/2007 08:56	I
6339490	EU-152	14683-23-9	-1.34E+00	pCi/L	5.5E+00	5.5E+00	U	9.75E+00		GAMMALL_GS	1.9725E+00	L	01/12/2007 08:56	I
6339490	EU-154	15585-10-1	-5.71E-01	pCi/L	5.8E+00	5.8E+00	U	1.14E+01		GAMMALL_GS	1.9725E+00	L	01/12/2007 08:56	I
6339490	EU-155	14391-16-3	2.36E+00	pCi/L	3.7E+00	3.7E+00	U	7.09E+00		GAMMALL_GS	1.9725E+00	L	01/12/2007 08:56	I
6339490	K-40	13966-00-2	-2.43E+01	pCi/L	4.6E+01	4.6E+01	U	9.89E+01		GAMMALL_GS	1.9725E+00	L	01/12/2007 08:56	I
6339490	RU-106	13967-48-1	1.33E+01	pCi/L	2.0E+01	2.0E+01	U	4.05E+01		GAMMALL_GS	1.9725E+00	L	01/12/2007 08:56	I
6339490	SB-125	14234-35-6	2.83E-01	pCi/L	5.2E+00	5.2E+00	U	9.51E+00		GAMMALL_GS	1.9725E+00	L	01/12/2007 08:56	I
6339472	I-129L	15046-84-1	4.26E-01	pCi/L	2.4E-01	2.4E-01	U	4.04E-01	93.8	I129LL_SEP_LEPS	3.9034E+00	L	01/12/2007 16:29	I
6339492	SR-90	10098-97-2	-1.22E-01	pCi/L	2.2E-01	2.2E-01	U	5.18E-01	81.4	SRISO_SEP_PRE	1.0066E+00	L	01/17/2007 06:52	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKKNA20	B1L1V2		MW6-SBB-A1	I07-009	W05071					11/29/2006 10:26

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
7009255	NP-237	13994-20-2	2.42E-02	pCi/L	8.4E-02	8.4E-02	U	2.28E-01	110.6	NP237_LLE_PLAT	2.013E-01	L	01/11/2007 13:22	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKLGC10	B1L1W8		MW6-SBB-A1	I07-009	W05071					11/29/2006 12:17

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339472	I-129L	15046-84-1	2.83E+00	pCi/L	5.1E-01	5.1E-01		2.71E-01	95.1	I129LL_SEP_LEPS	3.8858E+00	L	01/12/2007 16:31	I

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

6339492	SR-90	10098-97-2	-1.92E-01	pCi/L	2.3E-01	2.3E-01	U	5.44E-01	73.9	SRISO_SEP_PRE	1.0037E+00	L	01/17/2007	06:52 I
6339461	TC-99	14133-76-7	1.50E+02	pCi/L	7.7E+00	1.6E+01		9.67E+00	100.0	TC99_ETVDSK_LS	1.254E-01	L	01/11/2007	18:12 I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKLGE10	B1L1W5		MW6-SBB-A1	I07-009	W05071					11/29/2006 11:14

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339472	I-129L	15046-84-1	1.92E+00	pCi/L	4.1E-01	4.1E-01		2.64E-01	94.9	I129LL_SEP_LEPS	3.8682E+00	L	01/12/2007 16:31	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKLGN10	B1L1W1		MW6-SBB-A1	I07-009	W05071					11/29/2006 08:56

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339472	I-129L	15046-84-1	9.95E-01	pCi/L	3.0E-01	3.0E-01	U	5.13E-01	95.4	I129LL_SEP_LEPS	3.8943E+00	L	01/12/2007 18:19	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKLGP10	B1L1W9		MW6-SBB-A1	I07-009	W05071					11/29/2006 12:17

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339472	I-129L	15046-84-1	2.84E+00	pCi/L	5.1E-01	5.1E-01		3.06E-01	93.2	I129LL_SEP_LEPS	3.8873E+00	L	01/12/2007 18:20	I
6339492	SR-90	10098-97-2	-1.07E-01	pCi/L	1.5E-01	1.7E-01	U	4.29E-01	77.8	SRISO_SEP_PRE	1.0034E+00	L	01/17/2007 06:52	I
6339461	TC-99	14133-76-7	1.46E+02	pCi/L	7.6E+00	1.5E+01		9.61E+00	100.0	TC99_ETVDSK_LS	1.255E-01	L	01/11/2007 18:12	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKMVL10	B1L3T4		MW6-SBB-A1	S07-011	W05071					11/30/2006 08:58

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339490	BE-7	13966-02-4	-4.08E+00	pCi/L	2.3E+01	2.3E+01	U	4.23E+01		GAMMALL_GS	1.9999E+00	L	01/12/2007 08:56	I
6339490	CO-60	10198-40-0	1.48E+00	pCi/L	3.0E+00	3.0E+00	U	6.07E+00		GAMMALL_GS	1.9999E+00	L	01/12/2007 08:56	I
6339490	CS-134	13967-70-9	7.00E-01	pCi/L	2.1E+00	2.1E+00	U	4.18E+00		GAMMALL_GS	1.9999E+00	L	01/12/2007 08:56	I
6339490	CS-137	10045-97-3	4.55E-01	pCi/L	1.8E+00	1.8E+00	U	3.53E+00		GAMMALL_GS	1.9999E+00	L	01/12/2007 08:56	I
6339490	EU-152	14683-23-9	-1.46E+00	pCi/L	4.9E+00	4.9E+00	U	8.44E+00		GAMMALL_GS	1.9999E+00	L	01/12/2007 08:56	I
6339490	EU-154	15585-10-1	-3.85E+00	pCi/L	6.0E+00	6.0E+00	U	1.01E+01		GAMMALL_GS	1.9999E+00	L	01/12/2007 08:56	I
6339490	EU-155	14391-16-3	-3.52E+00	pCi/L	3.6E+00	3.6E+00	U	5.82E+00		GAMMALL_GS	1.9999E+00	L	01/12/2007 08:56	I
6339490	K-40	13966-00-2	6.26E+00	pCi/L	3.0E+01	3.0E+01	U	6.47E+01		GAMMALL_GS	1.9999E+00	L	01/12/2007 08:56	I
6339490	RU-106	13967-48-1	-9.89E+00	pCi/L	1.7E+01	1.7E+01	U	2.82E+01		GAMMALL_GS	1.9999E+00	L	01/12/2007 08:56	I
6339490	SB-125	14234-35-6	-1.32E+00	pCi/L	4.7E+00	4.7E+00	U	8.47E+00		GAMMALL_GS	1.9999E+00	L	01/12/2007 08:56	I
6339472	I-129L	15046-84-1	2.43E+00	pCi/L	4.7E-01	4.7E-01		2.13E-01	99.2	I129LL_SEP_LEPS	3.8775E+00	L	01/12/2007 18:20	I

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

6339461	TC-99	14133-76-7	1.55E+03	pCi/L	2.2E+01	1.1E+02	9.53E+00	100.0	TC99_ETVDSK_LS	1.265E-01	L	01/11/2007	18:12 I
6339496	Uranium	7440-61-1	1.16E+01	ug/L	1.4E+00	1.4E+00	7.97E-02		UTOT_KPA	2.63E-02	ML	01/17/2007	16:26 I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKPE210	B1L2H3		MW6-SBB-A1	I07-010	W05071					11/30/2006 08:49

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339469	H-3	10028-17-8	4.26E+03	pCi/L	2.4E+02	3.1E+02		3.01E+02	100.0	906.0_H3_LSC	5.00E-03	L	12/29/2006 09:28	I
6339472	I-129L	15046-84-1	3.19E-01	pCi/L	1.8E-01	1.8E-01	U	3.67E-01	97.8	I129LL_SEP_LEPS	3.8367E+00	L	01/12/2007 20:56	I
6339461	TC-99	14133-76-7	3.23E+03	pCi/L	3.1E+01	2.2E+02		9.53E+00	100.0	TC99_ETVDSK_LS	1.263E-01	L	01/11/2007 18:12	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKPG510	B1L729		MW6-SBB-A1	W07-011	W05071					11/30/2006 08:58

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339478	ALPHA	12587-46-1	4.00E+00	pCi/L	1.8E+00	2.0E+00		1.74E+00	100.0	9310_ALPHABETA	1.397E-01	L	01/11/2007 14:39	I
6339482	BETA	12587-47-2	3.82E+02	pCi/L	1.0E+01	5.4E+01		3.49E+00	100.0	9310_ALPHABETA	1.64E-01	L	01/11/2007 14:45	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKPGF10	B1L669		MW6-SBB-A1	W07-011	W05071					11/30/2006 08:48

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339478	ALPHA	12587-46-1	2.29E+00	pCi/L	1.7E+00	1.7E+00	U	2.44E+00	100.0	9310_ALPHABETA	1.015E-01	L	01/11/2007 12:40	I
6339482	BETA	12587-47-2	7.85E+02	pCi/L	1.5E+01	1.5E+02		4.85E+00	100.0	9310_ALPHABETA	8.22E-02	L	01/11/2007 15:35	I
6339488	BE-7	13966-02-4	1.53E+01	pCi/L	2.6E+01	2.6E+01	U	4.96E+01		GAMMA_GS	2.5004E+00	L	01/12/2007 12:25	I
6339488	CO-60	10198-40-0	1.73E+01	pCi/L	6.0E+00	6.0E+00		3.75E+00		GAMMA_GS	2.5004E+00	L	01/12/2007 12:25	I
6339488	CS-134	13967-70-9	4.32E-01	pCi/L	2.5E+00	2.5E+00	U	4.75E+00		GAMMA_GS	2.5004E+00	L	01/12/2007 12:25	I
6339488	CS-137	10045-97-3	-4.15E-01	pCi/L	2.1E+00	2.1E+00	U	3.78E+00		GAMMA_GS	2.5004E+00	L	01/12/2007 12:25	I
6339488	EU-152	14683-23-9	-3.48E+00	pCi/L	4.2E+00	4.2E+00	U	6.88E+00		GAMMA_GS	2.5004E+00	L	01/12/2007 12:25	I
6339488	EU-154	15585-10-1	1.27E+00	pCi/L	5.5E+00	5.5E+00	U	1.12E+01		GAMMA_GS	2.5004E+00	L	01/12/2007 12:25	I
6339488	EU-155	14391-16-3	1.07E+00	pCi/L	2.9E+00	2.9E+00	U	5.54E+00		GAMMA_GS	2.5004E+00	L	01/12/2007 12:25	I
6339488	K-40	13966-00-2	1.01E+01	pCi/L	3.8E+01	3.8E+01	U	8.59E+01		GAMMA_GS	2.5004E+00	L	01/12/2007 12:25	I
6339488	RU-106	13967-48-1	-3.59E+00	pCi/L	1.8E+01	1.8E+01	U	3.22E+01		GAMMA_GS	2.5004E+00	L	01/12/2007 12:25	I
6339488	SB-125	14234-35-6	-1.33E+00	pCi/L	4.6E+00	4.6E+00	U	7.99E+00		GAMMA_GS	2.5004E+00	L	01/12/2007 12:25	I
6339501	NI-63	13981-37-8	4.37E+00	pCi/L	1.5E+00	2.6E+00		3.53E+00	107.4	NI63_LSC	4.007E-01	L	01/09/2007 19:19	I

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

FormNbr: R FormatType: FEAD Version: 05 Rpt Nbr: 34225 File Name: h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKPGN10	B1L5W1		MW6-SBB-A1	W07-011	W05071					11/30/2006 10:54

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339469	H-3	10028-17-8	3.87E+04	pCi/L	6.4E+02	1.6E+03		3.02E+02	100.0	906.0_H3_LSC	5.00E-03	L	12/29/2006 10:50	I
6339478	ALPHA	12587-46-1	9.17E-01	pCi/L	1.2E+00	1.2E+00	U	2.34E+00	100.0	9310_ALPHABETA	1.085E-01	L	01/11/2007 12:40	I
6339482	BETA	12587-47-2	4.24E+01	pCi/L	3.9E+00	6.7E+00		3.88E+00	100.0	9310_ALPHABETA	1.462E-01	L	01/11/2007 14:45	I
6339461	TC-99	14133-76-7	1.87E+02	pCi/L	8.4E+00	1.8E+01		9.73E+00	100.0	TC99_ETVDSK_LS	1.266E-01	L	01/11/2007 18:12	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKPGR10	B1L5X3		MW6-SBB-A1	W07-011	W05071					11/30/2006 12:55

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339469	H-3	10028-17-8	2.64E+04	pCi/L	5.3E+02	1.1E+03		3.02E+02	100.0	906.0_H3_LSC	5.00E-03	L	12/29/2006 13:33	I
6339478	ALPHA	12587-46-1	2.25E+00	pCi/L	1.7E+00	1.7E+00	U	2.55E+00	100.0	9310_ALPHABETA	1.045E-01	L	01/11/2007 12:40	I
6339482	BETA	12587-47-2	3.12E+02	pCi/L	1.1E+01	6.7E+01		4.42E+00	100.0	9310_ALPHABETA	1.245E-01	L	01/11/2007 14:45	I
6339490	BE-7	13966-02-4	-1.35E+00	pCi/L	2.5E+01	2.5E+01	U	4.63E+01		GAMMALL_GS	2.0015E+00	L	01/12/2007 10:42	I
6339490	CO-60	10198-40-0	8.01E-03	pCi/L	2.3E+00	2.3E+00	U	4.65E+00		GAMMALL_GS	2.0015E+00	L	01/12/2007 10:42	I
6339490	CS-134	13967-70-9	2.04E-01	pCi/L	2.3E+00	2.3E+00	U	4.41E+00		GAMMALL_GS	2.0015E+00	L	01/12/2007 10:42	I
6339490	CS-137	10045-97-3	4.89E-01	pCi/L	1.9E+00	1.9E+00	U	3.84E+00		GAMMALL_GS	2.0015E+00	L	01/12/2007 10:42	I
6339490	EU-152	14683-23-9	-2.26E+00	pCi/L	5.1E+00	5.1E+00	U	8.88E+00		GAMMALL_GS	2.0015E+00	L	01/12/2007 10:42	I
6339490	EU-154	15585-10-1	-9.75E-01	pCi/L	6.7E+00	6.7E+00	U	1.28E+01		GAMMALL_GS	2.0015E+00	L	01/12/2007 10:42	I
6339490	EU-155	14391-16-3	1.73E+00	pCi/L	4.8E+00	4.8E+00	U	8.98E+00		GAMMALL_GS	2.0015E+00	L	01/12/2007 10:42	I
6339490	K-40	13966-00-2	1.21E+01	pCi/L	5.2E+01	5.2E+01	U	1.22E+02		GAMMALL_GS	2.0015E+00	L	01/12/2007 10:42	I
6339490	RU-106	13967-48-1	3.94E+00	pCi/L	1.8E+01	1.8E+01	U	3.52E+01		GAMMALL_GS	2.0015E+00	L	01/12/2007 10:42	I
6339490	SB-125	14234-35-6	-1.08E+00	pCi/L	5.5E+00	5.5E+00	U	9.67E+00		GAMMALL_GS	2.0015E+00	L	01/12/2007 10:42	I
6339472	I-129L	15046-84-1	5.04E-01	pCi/L	2.3E-01	2.3E-01	U	3.97E-01	99.5	I129LL_SEP_LEPS	3.7255E+00	L	01/12/2007 20:58	I
6339461	TC-99	14133-76-7	1.35E+03	pCi/L	2.0E+01	9.7E+01		9.66E+00	100.0	TC99_ETVDSK_LS	1.252E-01	L	01/11/2007 18:12	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9JKPHJ10	B1L254		MW6-SBB-A1	I07-010	W05071					12/01/2006 08:41

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6339472	I-129L	15046-84-1	7.74E-01	pCi/L	2.9E-01	2.9E-01	U	4.83E-01	97.6	I129LL_SEP_LEPS	3.9204E+00	L	01/12/2007 20:59	I

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

STL Richland QC Blank Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKT0E1AB	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/28/2006 11:11
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	**BLK**		**Received Date:** 11/28/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339492	SR-90	-8.44E-03	pCi/L	2.1E-01	U	4.74E-01	68.3		SRISO_SEP_P	1.0013E+00	01/17/2007				D
BLK	10098-97-2			6.9E-02						L	06:52				

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

STL Richland QC Blank Report

Lab Code: STLRL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKT0G1AB	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/30/2006 08:58
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 11/30/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339496	Uranium	1.68E-02	ug/L	1.8E-03	U	8.32E-02			UTOT_KPA	2.52E-02	01/17/2007				D
BLK	7440-61-1			1.8E-03						ML	16:19				

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

STL Richland QC Blank Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKT0M1AB	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/29/2006 10:26
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 11/29/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339500	C-14	2.44E+00	pCi/L	6.8E+00	U	8.10E+00	100.0		C14_LSC	2.00E-01	12/12/2006				D
BLK	14762-75-5			3.4E+00						L	04:19				

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

Lab Sample Id: JKT0R1AB **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/28/2006 13:00

Client Id: NA **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 11/28/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339501	NI-63	-3.08E+00	pCi/L	3.2E+00	U	4.64E+00	76.4		NI63_LSC	3.987E-01	01/09/2007				D
BLK	13981-37-8			1.8E+00						L	21:01				

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

STL Richland QC Blank Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKTW61AB	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/30/2006 10:54
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	**BLK**		**Received Date:** 11/30/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339469	H-3	7.54E+01	pCi/L	1.4E+02	U	3.02E+02	100.0		906.0_H3_LSC	5.00E-03	12/29/2006				D
BLK	10028-17-8			1.3E+02						L	02:39				

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

STL Richland QC Blank Report

Lab Code: STLRL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKTW61DX	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/30/2006 10:54
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 11/30/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339469	H-3	-8.64E+01	pCi/L	1.4E+02	U	3.09E+02	100.0		906.0_H3_LSC	5.00E-03	12/29/2006				D
BLK	10028-17-8			1.2E+02						L	05:23				

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

STL Richland QC Blank Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKTWT1AB	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/30/2006 08:49
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 11/30/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339461	TC-99	2.22E+00	pCi/L	5.6E+00	U	9.39E+00	100.0		TC99_ETVDSK	1.286E-01	01/11/2007				D
BLK	14133-76-7			4.0E+00						L	18:12				

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

Lab Sample Id: JKTX41AB **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/30/2006 08:48

Client Id: NA **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 11/30/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339488	BE-7	3.33E+00	pCi/L	1.9E+01	U	3.71E+01			GAMMA_GS	2.5017E+00	01/12/2007				D
BLK	13966-02-4			1.9E+01						L	12:25				
6339488	CO-60	-5.84E-03	pCi/L	2.2E+00	U	4.24E+00			GAMMA_GS	2.5017E+00	01/12/2007				D
BLK	10198-40-0			2.2E+00						L	12:25				
6339488	CS-134	9.52E-01	pCi/L	1.6E+00	U	3.47E+00			GAMMA_GS	2.5017E+00	01/12/2007				D
BLK	13967-70-9			1.6E+00						L	12:25				
6339488	CS-137	-2.09E-01	pCi/L	1.6E+00	U	2.96E+00			GAMMA_GS	2.5017E+00	01/12/2007				D
BLK	10045-97-3			1.6E+00						L	12:25				
6339488	EU-152	-1.12E+00	pCi/L	4.0E+00	U	7.04E+00			GAMMA_GS	2.5017E+00	01/12/2007				D
BLK	14683-23-9			4.0E+00						L	12:25				
6339488	EU-154	2.99E+00	pCi/L	6.0E+00	U	1.25E+01			GAMMA_GS	2.5017E+00	01/12/2007				D
BLK	15585-10-1			6.0E+00						L	12:25				
6339488	EU-155	-9.88E-01	pCi/L	3.8E+00	U	6.62E+00			GAMMA_GS	2.5017E+00	01/12/2007				D
BLK	14391-16-3			3.8E+00						L	12:25				
6339488	K-40	4.81E+00	pCi/L	4.5E+01	U	4.63E+01			GAMMA_GS	2.5017E+00	01/12/2007				D
BLK	13966-00-2			4.5E+01						L	12:25				
6339488	RU-106	1.61E+01	pCi/L	1.6E+01	U	3.34E+01			GAMMA_GS	2.5017E+00	01/12/2007				D
BLK	13967-48-1			1.6E+01						L	12:25				
6339488	SB-125	4.32E-01	pCi/L	4.9E+00	U	8.85E+00			GAMMA_GS	2.5017E+00	01/12/2007				D
BLK	14234-35-6			4.9E+00						L	12:25				

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

Lab Sample Id: JKTX71AB **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/29/2006 10:26

Client Id: NA **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 11/29/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339490	BE-7	-8.15E+00	pCi/L	2.6E+01	U	4.66E+01			GAMMALL_GS	1.9993E+00	01/12/2007				D
BLK	13966-02-4			2.6E+01						L	10:42				
6339490	CO-60	1.96E-01	pCi/L	3.1E+00	U	5.86E+00			GAMMALL_GS	1.9993E+00	01/12/2007				D
BLK	10198-40-0			3.1E+00						L	10:42				
6339490	CS-134	6.61E-01	pCi/L	2.4E+00	U	4.66E+00			GAMMALL_GS	1.9993E+00	01/12/2007				D
BLK	13967-70-9			2.4E+00						L	10:42				
6339490	CS-137	-2.37E-01	pCi/L	2.2E+00	U	4.01E+00			GAMMALL_GS	1.9993E+00	01/12/2007				D
BLK	10045-97-3			2.2E+00						L	10:42				
6339490	EU-152	3.35E-01	pCi/L	5.4E+00	U	9.91E+00			GAMMALL_GS	1.9993E+00	01/12/2007				D
BLK	14683-23-9			5.4E+00						L	10:42				
6339490	EU-154	-2.09E+00	pCi/L	7.0E+00	U	1.29E+01			GAMMALL_GS	1.9993E+00	01/12/2007				D
BLK	15585-10-1			7.0E+00						L	10:42				
6339490	EU-155	3.14E+00	pCi/L	3.7E+00	U	7.21E+00			GAMMALL_GS	1.9993E+00	01/12/2007				D
BLK	14391-16-3			3.7E+00						L	10:42				
6339490	K-40	-4.42E+01	pCi/L	4.7E+01	U	9.56E+01			GAMMALL_GS	1.9993E+00	01/12/2007				D
BLK	13966-00-2			4.7E+01						L	10:42				
6339490	RU-106	2.02E+00	pCi/L	2.4E+01	U	4.39E+01			GAMMALL_GS	1.9993E+00	01/12/2007				D
BLK	13967-48-1			2.4E+01						L	10:42				
6339490	SB-125	1.06E+00	pCi/L	5.2E+00	U	9.73E+00			GAMMALL_GS	1.9993E+00	01/12/2007				D
BLK	14234-35-6			5.2E+00						L	10:42				

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

STL Richland QC Blank Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKTXG1AB	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 12/01/2006 08:41
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 12/01/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339472	I-129L	-7.39E-03	pCi/L	1.4E-01	U	2.56E-01	98.9		I129LL_SEP_L	3.7676E+00	01/13/2007				D
BLK	15046-84-1			1.4E-01						L	06:31				

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

STL Richland QC Blank Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKTXR1AB	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/30/2006 12:55
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 11/30/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339478	ALPHA	3.05E-02	pCi/L	2.2E-01	U	5.74E-01	100.0		9310_ALPHAB	1.989E-01	01/11/2007				D
BLK	12587-46-1			2.2E-01						L	14:39				

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

STL Richland QC Blank Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKTXW1AB	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/28/2006 08:40
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 11/28/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339482	BETA	2.66E-01	pCi/L	8.3E-01	U	1.66E+00	100.0		9310_ALPHAB	2.011E-01	01/11/2007				D
BLK	12587-47-2			8.3E-01						L	15:35				

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

STL Richland QC Blank Report

Lab Code: STLRL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JMKQ61AB	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/29/2006 10:26
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 11/29/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
7009255	NP-237	-2.10E-02	pCi/L	2.1E-01	U	5.03E-01	39.7		NP237_LLE_P	1.997E-01	01/11/2007				D
BLK	13994-20-2			2.1E-01						L	13:24				

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

STL Richland QC Control Sample Report

Lab Code: STLRL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKT0E1CS	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/28/2006 11:11
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	**BS**		**Received Date:** 11/28/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339492	SR-90	1.28E+01	pCi/L	2.0E+00		4.66E-01	73.0	1.37E+01	SRISO_SEP_P	1.0019E+00	01/17/2007			70	D
BS	10098-97-2			8.0E-01				93.7		L	06:52			130	

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

STL Richland QC Control Sample Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKT0G1CS	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/30/2006 08:58
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 11/30/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339496	Uranium	3.72E+01	ug/L	4.4E+00		8.12E-02		3.52E+01	UTOT_KPA	2.58E-02	01/17/2007			70	D
BS	7440-61-1			4.4E+00				105.7		ML	16:21			130	

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

STL Richland QC Control Sample Report

Lab Code: STLRL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKT0G1DS	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/30/2006 08:58
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 11/30/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339496	Uranium	3.80E+00	ug/L	3.9E-01		8.22E-02		3.54E+00	UTOT_KPA	2.55E-02	01/17/2007			70	D
BS	7440-61-1			3.9E-01				107.3		ML	16:23			130	

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

STL Richland QC Control Sample Report

Lab Code: STLRL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKT0M1CS	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/29/2006 10:26
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 11/29/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339500	C-14	4.93E+01	pCi/L	1.2E+01		8.10E+00	100.0	4.71E+01	C14_LSC	2.00E-01	12/12/2006			70	D
BS	14762-75-5			4.9E+00				104.5		L	05:01			130	

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

Lab Sample Id: JKT0R1CS **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/28/2006 13:00

Client Id: NA **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** BS **Received Date:** 11/28/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339501	NI-63	2.86E+02	pCi/L	2.3E+01		6.34E+00	55.1	3.78E+02	NI63_LSC	4.037E-01	01/09/2007			70	D
BS	13981-37-8			6.8E+00				75.6		L	22:44			130	

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

Lab Sample Id: JKTW61CS **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/30/2006 10:54

Client Id: NA **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** BS **Received Date:** 11/30/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339469	H-3	2.60E+03	pCi/L	2.5E+02		3.04E+02	100.0	2.72E+03	906.0_H3_LSC	5.00E-03	12/29/2006			70	D
BS	10028-17-8			2.0E+02				95.5		L	04:01			130	

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

Lab Sample Id: JKTW61EM **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/30/2006 10:54

Client Id: NA **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** BS **Received Date:** 11/30/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339469	H-3	2.32E+03	pCi/L	2.4E+02		3.07E+02	100.0	2.72E+03	906.0_H3_LSC	5.00E-03	12/29/2006			70	D
BS	10028-17-8			2.0E+02				85.4		L	06:45			130	

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

STL Richland QC Control Sample Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKTWT1CS	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/30/2006 08:49
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 11/30/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339461	TC-99	4.77E+02	pCi/L	3.8E+01		9.61E+00	100.0	5.34E+02	TC99_ETVDSK	1.267E-01	01/11/2007			70	D
BS	14133-76-7			1.2E+01				89.4		L	18:12			130	

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

Lab Sample Id: JKTX41CS **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/30/2006 08:48

Client Id: NA **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** BS **Received Date:** 11/30/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339488	CO-60	2.95E+01	pCi/L	6.7E+00		1.95E+00		3.06E+01	GAMMA_GS	2.50E+00	01/12/2007			70	D
BS	10198-40-0			6.7E+00				96.6		L	12:25			130	
6339488	CS-137	1.89E+01	pCi/L	4.8E+00		3.47E+00		2.00E+01	GAMMA_GS	2.50E+00	01/12/2007			70	D
BS	10045-97-3			4.8E+00				94.3		L	12:25			130	
6339488	EU-152	5.20E+01	pCi/L	1.2E+01		8.20E+00		6.12E+01	GAMMA_GS	2.50E+00	01/12/2007			70	D
BS	14683-23-9			1.2E+01				84.9		L	12:25			130	

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

Lab Sample Id: JKTX71CS **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/29/2006 10:26

Client Id: NA **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** BS **Received Date:** 11/29/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339490	CO-60	4.02E+01	pCi/L	8.4E+00		4.49E+00		3.79E+01	GAMMALL_GS	2.0018E+00	01/12/2007			70	D
BS	10198-40-0			8.4E+00				106.0		L	10:42			130	
6339490	CS-134	-5.45E-01	pCi/L	2.7E+00	U	4.84E+00			GAMMALL_GS	2.0018E+00	01/12/2007				D
BS	13967-70-9			2.7E+00						L	10:42				
6339490	CS-137	2.25E+01	pCi/L	6.7E+00		4.85E+00		2.52E+01	GAMMALL_GS	2.0018E+00	01/12/2007			70	D
BS	10045-97-3			6.7E+00				89.3		L	10:42			130	
6339490	EU-152	5.65E+01	pCi/L	1.8E+01		1.15E+01		7.80E+01	GAMMALL_GS	2.0018E+00	01/12/2007			70	D
BS	14683-23-9			1.8E+01				72.5		L	10:42			130	

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

Lab Sample Id: JKTXG1CS **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 12/01/2006 08:41

Client Id: NA **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** BS **Received Date:** 12/01/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339472	I-129L	7.55E+00	pCi/L	1.0E+00		3.82E-01	100.3	1.01E+01	I129LL_SEP_L	3.8002E+00	01/13/2007			70	D
BS	15046-84-1			1.0E+00				74.9		L	06:31			130	

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

STL Richland QC Control Sample Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKTXR1CS	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/30/2006 12:55
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 11/30/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339478	ALPHA	2.02E+01	pCi/L	5.1E+00		6.21E-01	100.0	2.27E+01	9310_ALPHAB	2.018E-01	01/11/2007			70	D
BS	12587-46-1			2.0E+00				89.0		L	14:39			130	

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

Lab Sample Id: JKTXW1CS **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/28/2006 08:40

Client Id: NA **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** BS **Received Date:** 11/28/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339482	BETA	2.19E+01	pCi/L	3.8E+00		1.91E+00	100.0	2.28E+01	9310_ALPHAB	2.003E-01	01/11/2007			70	D
BS	12587-47-2			1.8E+00				96.0		L	15:35			130	

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

Lab Sample Id: JMKQ61CS **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/29/2006 10:26

Client Id: NA **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** BS **Received Date:** 11/29/2006

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
7009255	NP-237	8.53E+00	pCi/L	2.0E+00		3.12E-01	66.1	9.18E+00	NP237_LLE_P	2.003E-01	01/11/2007			70	D
BS	13994-20-2			1.5E+00				92.9		L	13:24			130	

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

STL Richland QC Duplicate Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKKAX1HR	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/28/2006 08:40
Client Id:	B1L657	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 11/28/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W07-011	MW6-SBB-A19981								AV	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339482	BETA	3.73E+02	pCi/L	4.9E+01		3.48E+00	100.0		9310_ALPHAB	1.612E-01	01/11/2007	.7	0.1		D
DUP	12587-47-2	3.70E+02		1.0E+01						L	14:45	20.0	3		

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

Lab Sample Id: JKKCJ1FR **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/28/2006 13:00

Client Id: B1L666 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 11/28/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W07-011	MW6-SBB-A19981								AW	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339501	NI-63	-5.67E-01	pCi/L	2.6E+00	U	3.69E+00	96.1		NI63_LSC	3.989E-01	01/09/2007	0.0	0.9		D
DUP	13981-37-8	-2.16E+00		1.5E+00						L	17:36	20.0	3		

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

STL Richland QC Duplicate Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKKE11ER	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/28/2006 11:11
Client Id:	B1L2F3	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 11/28/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I07-010	MW6-SBB-A19981								AX	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339492	SR-90	-9.60E-02	pCi/L	2.5E-01	U	5.74E-01	81.2		SRISO_SEP_P	1.0019E+00	01/17/2007	862.3	1.4		D
DUP	10098-97-2	1.54E-01		2.2E-01						L	06:52	20.0	3		

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

Lab Sample Id: JKKNA1GR **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/29/2006 10:26

Client Id: B1L1V2 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 11/29/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I07-009	MW6-SBB-A19981								AY	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339490	BE-7	-1.81E+01	pCi/L	2.9E+01	U	4.81E+01			GAMMALL_GS	1.9303E+00	01/12/2007	0.0	1.1		D
DUP	13966-02-4	5.15E+00		2.9E+01						L	08:56	20.0	3		
6339490	CO-60	-7.19E-01	pCi/L	2.5E+00	U	4.69E+00			GAMMALL_GS	1.9303E+00	01/12/2007	0.0	0.		D
DUP	10198-40-0	-8.02E-01		2.5E+00						L	08:56	20.0	3		
6339490	CS-134	9.16E-01	pCi/L	2.3E+00	U	4.66E+00			GAMMALL_GS	1.9303E+00	01/12/2007	0.0	1.1		D
DUP	13967-70-9	-9.43E-01		2.3E+00						L	08:56	20.0	3		
6339490	CS-137	-7.42E-01	pCi/L	2.4E+00	U	4.25E+00			GAMMALL_GS	1.9303E+00	01/12/2007	14350.	0.9		D
DUP	10045-97-3	7.63E-01		2.4E+00						L	08:56	20.0	3		
6339490	EU-152	-9.41E-01	pCi/L	5.7E+00	U	1.01E+01			GAMMALL_GS	1.9303E+00	01/12/2007	0.0	0.1		D
DUP	14683-23-9	-1.34E+00		5.7E+00						L	08:56	20.0	3		
6339490	EU-154	-1.82E+00	pCi/L	7.2E+00	U	1.33E+01			GAMMALL_GS	1.9303E+00	01/12/2007	0.0	0.2		D
DUP	15585-10-1	-5.71E-01		7.2E+00						L	08:56	20.0	3		
6339490	EU-155	-5.77E-01	pCi/L	4.6E+00	U	8.04E+00			GAMMALL_GS	1.9303E+00	01/12/2007	329.0	0.9		D
DUP	14391-16-3	2.36E+00		4.6E+00						L	08:56	20.0	3		
6339490	K-40	4.92E+01	pCi/L	4.8E+01	U	1.09E+02			GAMMALL_GS	1.9303E+00	01/12/2007	592.4	2.2		D
DUP	13966-00-2	-2.43E+01		4.8E+01						L	08:56	20.0	3		
6339490	RU-106	-1.95E+01	pCi/L	2.3E+01	U	3.69E+01			GAMMALL_GS	1.9303E+00	01/12/2007	0.0	2.		D
DUP	13967-48-1	1.33E+01		2.3E+01						L	08:56	20.0	3		
6339490	SB-125	-1.69E+00	pCi/L	5.3E+00	U	9.38E+00			GAMMALL_GS	1.9303E+00	01/12/2007	0.0	0.5		D
DUP	14234-35-6	2.83E-01		5.3E+00						L	08:56	20.0	3		

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

STL Richland QC Duplicate Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKKNA1JR	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/29/2006 10:26
Client Id:	B1L1V2	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 11/29/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I07-009	MW6-SBB-A19981								AZ	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339500	C-14	2.61E+00	pCi/L	6.9E+00	U	8.09E+00	100.0		C14_LSC	2.00E-01	12/12/2006	27.4	0.1		D
DUP	14762-75-5	1.98E+00		3.4E+00						L	06:26	20.0	3		

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

Lab Sample Id: JKKNA2HR **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/29/2006 10:26

Client Id: B1L1V2 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 11/29/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I07-009	MW6-SBB-A19981								BA	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
7009255	NP-237	5.81E-02	pCi/L	1.2E-01	U	2.62E-01	107.9		NP237_LLE_P	2.01E-01	01/11/2007	82.4	0.4		D
DUP	13994-20-2	2.42E-02		1.2E-01						L	13:23	20.0	3		

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

Lab Sample Id: JKMVL1FR **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/30/2006 08:58

Client Id: B1L3T4 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 11/30/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
S07-011	MW6-SBB-A19981								BC	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339496	Uranium	1.22E+01	ug/L	1.4E+00		8.15E-02			UTOT_KPA	2.57E-02	01/17/2007	4.4	0.5		D
DUP	7440-61-1	1.16E+01		1.4E+00						ML	16:28	20.0	3		

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

Lab Sample Id: JKPE21ER **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/30/2006 08:49

Client Id: B1L2H3 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 11/30/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I07-010	MW6-SBB-A19981								BE	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339461	TC-99	3.25E+03	pCi/L	2.3E+02		9.32E+00	100.0		TC99_ETVDSK	1.296E-01	01/11/2007	.7	0.1		D
DUP	14133-76-7	3.23E+03		3.1E+01						L	18:12	20.0	3		

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

Lab Sample Id: JKPGF1FR **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/30/2006 08:48

Client Id: B1L669 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 11/30/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W07-011	MW6-SBB-A19981								BF	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339488	BE-7	-8.52E+00	pCi/L	2.0E+01	U	3.52E+01			GAMMA_GS	2.5004E+00	01/12/2007	704.0	1.7		D
DUP	13966-02-4	1.53E+01		2.0E+01						L	14:16	20.0	3		
6339488	CO-60	1.66E+01	pCi/L	4.9E+00		4.43E+00			GAMMA_GS	2.5004E+00	01/12/2007	4.6	0.2		D
DUP	10198-40-0	1.73E+01		4.9E+00						L	14:16	20.0	3		
6339488	CS-134	9.57E-01	pCi/L	1.7E+00	U	3.51E+00			GAMMA_GS	2.5004E+00	01/12/2007	75.6	0.4		D
DUP	13967-70-9	4.32E-01		1.7E+00						L	14:16	20.0	3		
6339488	CS-137	-1.44E-01	pCi/L	1.8E+00	U	3.36E+00			GAMMA_GS	2.5004E+00	01/12/2007	0.0	0.2		D
DUP	10045-97-3	-4.15E-01		1.8E+00						L	14:16	20.0	3		
6339488	EU-152	2.30E+00	pCi/L	4.8E+00	U	9.07E+00			GAMMA_GS	2.5004E+00	01/12/2007	0.0	1.7		D
DUP	14683-23-9	-3.48E+00		4.8E+00						L	14:16	20.0	3		
6339488	EU-154	-7.59E-01	pCi/L	5.7E+00	U	1.08E+01			GAMMA_GS	2.5004E+00	01/12/2007	791.1	0.5		D
DUP	15585-10-1	1.27E+00		5.7E+00						L	14:16	20.0	3		
6339488	EU-155	-1.60E+00	pCi/L	3.8E+00	U	6.37E+00			GAMMA_GS	2.5004E+00	01/12/2007	0.0	1.		D
DUP	14391-16-3	1.07E+00		3.8E+00						L	14:16	20.0	3		
6339488	K-40	4.03E+01	pCi/L	3.7E+01	U	8.43E+01			GAMMA_GS	2.5004E+00	01/12/2007	119.9	1.2		D
DUP	13966-00-2	1.01E+01		3.7E+01						L	14:16	20.0	3		
6339488	RU-106	-1.91E+01	pCi/L	1.6E+01	U	2.51E+01			GAMMA_GS	2.5004E+00	01/12/2007	0.0	1.3		D
DUP	13967-48-1	-3.59E+00		1.6E+01						L	14:16	20.0	3		
6339488	SB-125	-4.87E-01	pCi/L	4.5E+00	U	8.21E+00			GAMMA_GS	2.5004E+00	01/12/2007	0.0	0.3		D
DUP	14234-35-6	-1.33E+00		4.5E+00						L	14:16	20.0	3		

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

STL Richland QC Duplicate Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKPGN1FR	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/30/2006 10:54
Client Id:	B1L5W1	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 11/30/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W07-011	MW6-SBB-A19981								BG	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339469	H-3	4.12E+04	pCi/L	1.7E+03		3.04E+02	100.0		906.0_H3_LSC	5.00E-03	12/29/2006	6.3	2.1		D
DUP	10028-17-8	3.87E+04		6.6E+02						L	12:12	20.0	3		

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

STL Richland QC Duplicate Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKPGR1HR	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/30/2006 12:55
Client Id:	B1L5X3	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 11/30/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W07-011	MW6-SBB-A19981								BH	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339478	ALPHA	2.14E+00	pCi/L	1.6E+00	U	2.19E+00	100.0		9310_ALPHAB	1.028E-01	01/11/2007	5.0	0.1		D
DUP	12587-46-1	2.25E+00		1.5E+00						L	14:39	20.0	3		

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

Lab Sample Id: JKPHJ1CR **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 12/01/2006 08:41

Client Id: B1L254 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 12/01/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I07-010	MW6-SBB-A19981								BI	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339472	I-129L	7.41E-01	pCi/L	3.6E-01	U	4.85E-01	97.3		I129LL_SEP_L	3.9171E+00	01/13/2007	4.4	0.1		D
DUP	15046-84-1	7.74E-01		3.6E-01						L	06:30	20.0	3		

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

STL Richland Qc Matrix Spike Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id: JKLGC1EW **Sdg/Rept Nbr:** W05071 34225 **Collection Date:** 11/29/2006 12:17

Client Id: B1L1W8 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** MS **Received Date:** 11/29/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I07-009	MW6-SBB-A19981								BB	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339461	TC-99	3.33E+03	pCi/L	2.4E+02		9.57E+00	100.0	3.55E+03	TC99_ETVDSK	1.265E-01	01/11/2007			60	D
MS	14133-76-7			3.2E+01				93.8		L	18:12			140	

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

STL Richland Qc Matrix Spike Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05071.Edd, h:\Reportdb\edd\FeadIV\Rad\34225.Edd

Lab Sample Id:	JKMVL1GW	**Sdg/Rept Nbr:**	W05071	34225	**Collection Date:** 11/30/2006 08:58
Client Id:	B1L3T4	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	MS		**Received Date:** 11/30/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
S07-011	MW6-SBB-A19981								BD	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
6339496	Uranium	3.47E+01	ug/L	5.6E+00		7.54E-02		3.24E+01	UTOT_KPA	2.78E-02	01/17/2007			60	D
MS	7440-61-1			5.6E+00				107.1		ML	16:30			140	

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

PNNL 06K300220
W05071
Due 01-12-07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-011-480**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-011	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, NOVEMBER 2006	HNF-N-506 3	**Ice Chest No.** 5HWS109 **Temp.**
Shipped To (Lab) Severn Trent Incornorated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L682		W	11-28-06	1031	1x20-mL P	Activity Scan	None
B1L682		W	↓	↓	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
						JKKA9	

Relinquished By Print: Fluor Hanford D. R. BREWINGTON Sign: D R Brewington	Date/Time 1520 NOV 28 2006	Received By Print: S. Smith Sign: S. Smith	Date/Time 1520 NOV 28 2006
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

PNNL J6K300220
W05071
Due 01.12.07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-011-444**

Page 1 of 1

Collector K. J. YOUNG	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-011	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code** Lwo. 11/28/06
Project Title RCRA, NOVEMBER 2006	HNF-N-506-2	**Ice Chest No.** ~~2055~~ ROSS **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS

** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐

All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.

WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L657		W	11.28.06	0840	1x20-mL P	Activity Scan	None
B1L657		W	↓	↓	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
B1L657		W			1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1L657		W			1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1L657		W			1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1L657		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
						JKKAX	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
K. J. YOUNG	K. J. YOUNG	K. J. YOUNG	NOV 28 2006 1500	L. Smith	L. Smith	L. Smith	NOV 28 2006 1500
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

PNNL J6K300220
W05071
due 01.12.07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-011-456**

Page 1 of 1

Collector D. Connolly	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-011	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, NOVEMBER 2006	Logbook: HNF-N-506-1	**Ice Chest No.** SAWS-336 **Temp.**
Shipped To (Lab) Severn Trent Incornorated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L666		W	11/28/06	1300	1x20-mL P	Activity Scan	None
B1L666		W	↓	↓	1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1L666		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1L666		W	↓	↓	1x1000-mL G/P	NI63_LSC: Nickel-63 (1)	HNO3 to pH <2
						JTKKCJ	
						D. Wall 11/28/06	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. Connolly	D. Connolly	D. Connolly	NOV 28 2006 1500	J. Smith	S. Smith	S. Smith	NOV 28 2006 1500
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

PNNL 06K300234
W05071
Due 01.12.06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I07-010-50**

Page 1 of 1

Collector K. J. YOUNG	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-010	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1-LOL NOVEMBER 2006	HNF-N-506-2	**Ice Chest No.** ROSS **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L284		W	11.28.06	1010	1x20-mL P	Activity Scan	None
B1L284		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1L284		W	↓	↓	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
B1L284		W	↓	↓	3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
						JTKKGA	

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
K. J. YOUNG	K. J. Young	NOV 28 2006 1520	L. Smith	L. Smith	NOV 28 2006 1520
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

PNNL J6 K300234
W05071
due 01.12.07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I07-010-112**

Page 1 of 1

Collector D. F. CONNOLLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-010	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1-LOI, NOVEMBER 2006	Logbook: HNF-N-506-1	**Ice Chest No.** SAWS-336 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L2D3		W	11/28/06	0830	1x20-mL P	Activity Scan	None
B1L2D3		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1L2D3		W	↓	↓	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
B1L2D3		W	↓	↓	3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
						JKKF7	

L. Wall 11/28/06

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. F. CONNOLLY		[signature]	NOV 28 2006 1500	S. Smith	S. Smith		NOV 28 2006 1500
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wipe
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

PNNL J6K300234
W05071
Due 01.12.07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I07-010-120**

Page 1 of 1

Collector	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-010	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1-LOI, NOVEMBER 2006	Logbook: HNF-N-506-1	**Ice Chest No.** SAWS-336 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L2D8		W	11/28/06	1029	1x20-mL P	Activity Scan	None
B1L2D8		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1L2D8		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
B1L2D8		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
						JKKF1	

Relinquished By Print Sign	Date/Time NOV 28 2006 1500	Received By Print S. Smith Sign S-Smith	Date/Time NOV 28 2006 1520
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

PNNL J6K300234
W05071
due 01.12.07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-010-128

Page 1 of 1

Collector [redacted]	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-010	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1-LOL NOVEMBER 2006	Logbook: HNF-N-506-1	**Ice Chest No.** SAWS-336 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L2F3		W	11/28/06	1111	1x20-mL P	Activity Scan	None
B1L2F3		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1L2F3		W	↓	↓	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
B1L2F3		W	↓	↓	3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
						JKKEI	

P. Wood 11/28/06

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
[redacted]			NOV 28 2006 1500	S. Smith	S. Smith		NOV 28 2006 1500
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

PNNL J6K300234
W05071
Due 01-12-07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-010-136

Page 1 of 1

Collector D Connolly	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-010	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1-LOI, NOVEMBER 2006	Logbook: HNF-N-506-1	**Ice Chest No.** SAWS-336 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L2F8		W	11/28/06	1300	1x20-mL P	Activity Scan	None
B1L2F8		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1L2F8		W	↓	↓	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
						JTKD7	
						R. Wells 11/28/06	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. Connolly			NOV 28 2006 1500	J. Smith		S. Smith	NOV 28 2006 1500
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

PNNL J6K290268
W05071 Due 01-12-07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-009-6

Page 1 of 1

Collector Fluor Hanford D. E. PARCHEN	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-009	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1-LOL NOVEMBER 2006	17NFN506-4	**Ice Chest No.** SAWS 115 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L1V2		W	11-29-06	1026	1x20-mL P	Activity Scan	None
B1L1V2		W	"	"	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1L1V2		W	"	"	2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1L1V2		W	"	"	1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1L1V2		W	"	"	1x1000-mL G/P	NP237_LLE_PLATE_AEA:Np-237(1)	HNO3 to pH <2
B1L1V2		W	"	"	3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
						FKKNA	

Relinquished By Print: Fluor Hanford D. E. PARCHEN Sign: DEP	Date/Time 1345 NOV 29 2006	Received By Print: S. Smith Sign: S. Smith	Date/Time 1345 NOV 29 2006
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

PNNL 16K300334
W05071
Due 01-12-07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I07-009-24**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-009	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1-LOI, NOVEMBER 2006	HNF-N-506 3	**Ice Chest No.** SAWS109 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L1W9		W	11-29-06	1217	1x20-mL P	Activity Scan	None
B1L1W9		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1L1W9		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
B1L1W9		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
						JKLGP	

Relinquished By Fluor Hanford D R BREWINGTON — Print — Sign D.R. Brewington — Date/Time 1505 NOV 29 2006	Received By — Print D. Smith — Sign D. Smith — Date/Time 1505 NOV 29 2006	Matrix *	
Relinquished By — Date/Time	Received By — Date/Time	S = Soil, SE = Sediment, SO = Solid, SL = Sludge, W = Water, O = Oil, A = Air	DS = Drum Solid, DL = Drum Liqui, T = Tissue, WI = Wine, L = Liquid, V = Vegetation, X = Other
Relinquished By — Date/Time	Received By — Date/Time		
Relinquished By — Date/Time	Received By — Date/Time		
FINAL SAMPLE DISPOSITION — Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time	

PNNL WDS071

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-009-15

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-009	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1-LOI, NOVEMBER 2006	HNF-N-506 3	**Ice Chest No** SAWS 109 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L1W1		W	11-29-06	0856	1x20-mL P	Activity Scan	None
B1L1W1		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
						JKLGN	

Relinquished By Print: Fluor Hanford D. R. BREWINGTON Sign: D. R. Brewington Date/Time: 1505 NOV 29 2006	Received By Print: J. Smith Sign: S. Smith Date/Time: 1505 NOV 29 2006	Matrix *	
Relinquished By Date/Time	Received By Date/Time	S = Soil; SE = Sediment; SO = Solid; SL = Sludge; W = Water; O = Oil; A = Air	DS = Drum Solid; DL = Drum Liqui; T = Tissue; WI = Wine; L = Liquid; V = Vegetation; X = Other
Relinquished By Date/Time	Received By Date/Time		
Relinquished By Date/Time	Received By Date/Time		

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

PNNL V6K300334
W05071
Due 01.12.07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I07-009-19**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-009	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1-LOI, NOVEMBER 2006	HNF-N-506 3	**Ice Chest No.** SAWS 109 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L1W5		W	11-29-06	1114	1x20-mL P	Activity Scan	None
B1L1W5		W	"		2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
						JKLGE	

Relinquished By Print: Fluor Hanford D. R. BREWINGTON Sign: D. R. Brewington	Date/Time NOV 29 2006 1505	Received By Print: S. Smith Sign: S Smith	Date/Time NOV 29 2006 1505	Matrix *	
Relinquished By	Date/Time	Received By	Date/Time	S = Soil, SE = Sediment, SO = Solid, SL = Sludge, W = Water, O = Oil, A = Air	DS = Drum Solid, DL = Drum Liqui, T = Tissue, WI = Wine, L = Liquid, V = Vegetation, X = Other
Relinquished By	Date/Time	Received By	Date/Time		
Relinquished By	Date/Time	Received By	Date/Time		

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

PNNL U6K300334
W05071
Due 01.12.07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I07-009-23**

Page 1 of 1

Collector Fluor Hanford ~~D. R. BREWINGTON~~	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-009	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1-LOI, NOVEMBER 2006	HNF-N-506 3	**Ice Chest No.** SAWS109 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L1W8		W	11-29-06	1217	1x20-mL P	Activity Scan	None
B1L1W8		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1L1W8		W	↓	↓	3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
B1L1W8		W	↓	↓	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
						JKLGC	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D. R. Brewington		NOV 29 2006 1505	S. Smith	S. Smith		NOV 29 2006 1505
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wipe
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

PNNL J6L010217
W05071
Due 01-15-07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S07-011-382**

Page 1 of 1

Collector D.F. SOMMERLY	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S07-011	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, NOVEMBER 2006	Logbook: HNF-N-506-1	**Ice Chest No.** SAWS-336 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L3T4		W	11/30/06	0858	1x20-mL P	Activity Scan	None
B1L3T4		W	↓	↓	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
B1L3T4		W	↓	↓	1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2
B1L3T4		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1L3T4		W	↓	↓	1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
						JKMVL	

R. Wall 11/30/06

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
[illegible]	[illegible]	[illegible]	NOV 30 2006 1515	S. Smith	S. Smith	[illegible]	NOV 30 2006 1515
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liqui
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wipe
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

PNNL U6L020166
W05071
due 01-15-07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I07-010-144**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-010	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1-LOI, NOVEMBER 2006	HNF-N-506 3	**Ice Chest No.** SAWS 109 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L2H3		W	11-30-06	0849	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1L2H3		W	↓	↓	1x20-mL P	Activity Scan	None
B1L2H3		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1L2H3		W	↓	↓	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
						JKPE2	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D. R. Brewington		NOV 30 2006 1515	S. Smith	S. Smith		NOV 30 2006 1515
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)	Disposed By	Date/Time

PNNL J6L020170
W05071
Due 01-15-07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-011-586**

Page 1 of 1

Collector	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-011	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, NOVEMBER 2006	Logbook: HNF-N-506-1	**Ice Chest No.** SAWS-336 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L729		W	11/30/06	0858	1x20-mL P	Activity Scan	None
B1L729		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
						JKPG5	

R. Wall 11/30/06

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D.P. CONNOLLY		[signature]	NOV 30 2006 1515	S. Smith	S. Smith		NOV 30 2006 1515
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

PNNL JGL 020170
W05071
Due 01-15-07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-011-348**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-011	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, NOVEMBER 2006	HNF-N-506 3	**Ice Chest No** SAWS 10G **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L5X3		W	11-30-06	1255	1x20-mL P	Activity Scan	None
B1L5X3		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
B1L5X3		W			1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1L5X3		W			1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1L5X3		W			1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1L5X3		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
						JKPER	

Relinquished By Print: Fluor Hanford D. R. BREWINGTON Sign: D.R. Brewington Date/Time: NOV 3 0 2006 1515	Received By Print: S. Smith Sign: S. Smith Date/Time: NOV 3 0 2006 1515	Matrix *	
Relinquished By Date/Time	Received By Date/Time	S = Soil, SE = Sediment, SO = Solid, SL = Sludge, W = Water, O = Oil, A = Air	DS = Drum Solid, DL = Drum Liqui, T = Tissue, WI = Wine, L = Liquid, V = Vegetation, X = Other
Relinquished By Date/Time	Received By Date/Time		
Relinquished By Date/Time	Received By Date/Time		

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

PNNL 06L020170
W05071
Due 01-15-07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-011-330**

Page 1 of 1

Collector Fluor Hanford D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-011	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, NOVEMBER 2006	HNF-N-506 3	**Ice Chest No.** SAW 109 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L5W1		W	11-30-06	1054	1x20-mL P	Activity Scan	None
B1L5W1		W	↓	↓	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
B1L5W1		W			1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1L5W1		W			1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
						JKPGN	

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
Fluor Hanford D. R. BREWINGTON	D. R. Brewington	1515 NOV 30 2006	S. Smith	S. Smith	1515 NOV 30 2006
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

S = Soil		DS = Drum Solid	
SE = Sediment		DL = Drum Liqui	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wine	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) | Disposed By | Date/Time

PNNL JGL020170
W05071
Due 01.15.07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W07-011-462**

Page 1 of 1

Collector Fluor Hanford D.R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W07-011	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, NOVEMBER 2006	HNF-5063	**Ice Chest No.** SAWS 109 **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L669		W	11-30-06	0848	1x20-mL P	Activity Scan	None
B1L669		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1L669		W			3x1000-mL G/P	GAMMA_GS: List-1 (10)	HNO3 to pH <2
B1L669		W			1x1000-mL G/P	NI63_LSC: Nickel-63 (1)	HNO3 to pH <2
						JKPGF	

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
Fluor Hanford D.R. BREWINGTON	D.R. Brewington	1515 NOV 30 2006	S. Smith	S. Smith	1515 NOV 30 2006
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

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FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time

PNNL 06L020178
WQ5071
Due 01-16-07

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I07-010-10

Page 1 of 1

Collector Fluor Hanford E M. HALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I07-010	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1-LOI, NOVEMBER 2006	HNF-N-506-3	**Ice Chest No.** **Temp.**
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all PNNL samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all PNNL GW samples submitted into one SDG, daily closure.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1L254		W	12-1-06	0941	1x20-mL P	Activity Scan	None
B1L254		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
						JKPHJ	

Relinquished By Print: Fluor Hanford E M. HALL Sign:	Date/Time DEC 0 1 2006 1503	Received By Print: S. Smith Sign: S. Smith	Date/Time DEC 0 1 2006 1503
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

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SL = Sludge		WI = Wine	
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FINAL SAMPLE DISPOSITION Disposal Method (e.g., Return to customer, per lab procedure, used in process) Disposed By Date/Time