Analytical Data Package Prepared For

Pacific Northwest National Lab

Radiochemical Analysis By

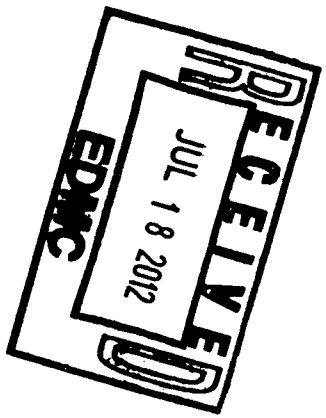
STL Richland STLRL

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

Data Package Contains _____ Pages

Report Nbr: 33622

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05001	I06-055	B1K6B8	J6I050186-1	JDQCJ1AC	9JDQCJ10	6257327
		B1K6B8	J6I050186-1	JDQCJ1AD	9JDQCJ10	6257339
		B1K6B8	J6I050186-1	JDQCJ1AE	9JDQCJ10	6257343
		B1K6B8	J6I050186-1	JDQCJ1AF	9JDQCJ10	6257346
		B1K6B8	J6I050186-1	JDQCJ1AG	9JDQCJ10	6257338
		B1K6B8	J6I050186-1	JDQCJ1AH	9JDQCJ10	6257351
		B1K6B8	J6I050186-1	JDQCJ1AJ	9JDQCJ10	6257342
		B1K6B8	J6I050186-1	JDQCJ1AK	9JDQCJ10	6257341
		B1K6B8	J6I050186-1	JDQCJ2AA	9JDQCJ20	6293515
		B1K6C6	J6I050186-2	JDQCN1AA	9JDQCN10	6249550
		B1K6B9	J6I050186-3	JDQCQ1AC	9JDQCQ10	6257327
		B1K6B9	J6I050186-3	JDQCQ1AD	9JDQCQ10	6257339
		B1K6B9	J6I050186-3	JDQCQ1AE	9JDQCQ10	6257343
		B1K6B9	J6I050186-3	JDQCQ1AF	9JDQCQ10	6257346
		B1K6B9	J6I050186-3	JDQCQ1AG	9JDQCQ10	6257338



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Comments:

Report Nbr: 33622

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05001	I06-055	B1K6B9	J6I050186-3	JDQCQ1AH	9JDQCQ10	6257351
		B1K6B9	J6I050186-3	JDQCQ1AJ	9JDQCQ10	6257342
		B1K6B9	J6I050186-3	JDQCQ1AK	9JDQCQ10	6257341
		B1K6B9	J6I050186-3	JDQCQ2AA	9JDQCQ20	6293515
		B1K6C7	J6I050186-4	JDQCR1AA	9JDQCR10	6249550
		B1K669	J6I050188-1	JDQCT1AC	9JDQCT10	6257327
		B1K669	J6I050188-1	JDQCT1AD	9JDQCT10	6257339
		B1K669	J6I050188-1	JDQCT1AE	9JDQCT10	6257343
		B1K669	J6I050188-1	JDQCT1AF	9JDQCT10	6257346
		B1K669	J6I050188-1	JDQCT1AG	9JDQCT10	6257338
		B1K669	J6I050188-1	JDQCT1AH	9JDQCT10	6257351
		B1K669	J6I050188-1	JDQCT1AJ	9JDQCT10	6257342
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		B1K669	J6I050188-1	JDQCT2AA	9JDQCT20	6293515
		B1K6C5	J6I050188-2	JDQCV1AA	9JDQCV10	6249550
		B1K679	J6I050188-3	JDQCW1AA	9JDQCW10	6257342
	W06-008	B1K245	J6I050189-1	JDQC51AA	9JDQC510	6257327
		B1K245	J6I050189-1	JDQC51AC	9JDQC510	6257350
		B1K245	J6I050189-1	JDQC51AD	9JDQC510	6257341
		B1K249	J6I050189-2	JDQC81AA	9JDQC810	6257327
		B1K249	J6I050189-2	JDQC81AC	9JDQC810	6257350
		B1K249	J6I050189-2	JDQC81AD	9JDQC810	6257341
	I06-054	B1K552	J6I060210-1	JDRPF1AA	9JDRPF10	6257327
		B1K552	J6I060210-1	JDRPF1AC	9JDRPF10	6257346
		B1K552	J6I060210-1	JDRPF1AD	9JDRPF10	6257342
		B1K552	J6I060210-1	JDRPF1AE	9JDRPF10	6257341

Comments:

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SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05001	I06-054	B1K5D5	J6I060211-1	JDRQA1AA	9JDRQA10	6257327
		B1K5D5	J6I060211-1	JDRQA1AC	9JDRQA10	6257346
		B1K5D5	J6I060211-1	JDRQA1AD	9JDRQA10	6257342
		B1K5D5	J6I060211-1	JDRQA1AE	9JDRQA10	6257341
	W06-008	B1K343	J6I060263-1	JDR3X1AA	9JDR3X10	6257331
		B1K2K1	J6I070146-1	JDVMF1AA	9JDVMF10	6257347
		B1K2K1	J6I070146-1	JDVMF1AC	9JDVMF10	6257348
	I06-054	B1K5H0	J6I070147-1	JDVNQ1AA	9JDVNQ10	6257327
		B1K5H0	J6I070147-1	JDVNQ1AC	9JDVNQ10	6257346
		B1K5F7	J6I070147-2	JDVN11AA	9JDVN110	6257327
		B1K5F7	J6I070147-2	JDVN11AC	9JDVN110	6257346
		B1K5F7	J6I070147-2	JDVN11AD	9JDVN110	6257342
		B1K5F7	J6I070147-2	JDVN11AE	9JDVN110	6257341
		B1K5F4	J6I070147-3	JDVPV1AA	9JDVPV10	6257346
		B1K5F4	J6I070147-3	JDVPV1AC	9JDVPV10	6257342
		B1K5F4	J6I070147-3	JDVPV1AD	9JDVPV10	6257341
	S06-008	B1K6T0	J6I070190-1	JDV4A1AA	9JDV4A10	6257327
		B1K6T0	J6I070190-1	JDV4A1AC	9JDV4A10	6257345
		B1K6T0	J6I070190-1	JDV4A1AD	9JDV4A10	6257346
		B1K6T0	J6I070190-1	JDV4A1AE	9JDV4A10	6257342
		B1K6T0	J6I070190-1	JDV4A1AF	9JDV4A10	6257341
	I06-059	B1KC98	J6I120194-1	JD5CV1AA	9JD5CV10	6257327
		B1KC98	J6I120194-1	JD5CV1AC	9JD5CV10	6257351
		B1KCB1	J6I120194-2	JD5C01AA	9JD5C010	6257327
		B1KCB1	J6I120194-2	JD5C01AC	9JD5C010	6257351

Comments:

SEVERN TRENT STL

STL Richland
2800 George Washington Way
Richland, WA 99354

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Certificate of Analysis

Pacific Northwest National Laboratories
Sigma V Building
Richland, WA 99352

October 31, 2006

Attention: Dot Stewart

SAF Number	:	S06-007, I06-055, W06-008, I06-054, S06-008, I06-059
Date SDG Closed	:	September 11, 2006
Number of Samples	:	Twenty (20)
Sample Type	:	Water
SDG Number	:	W05001
Data Deliverable	:	45-Day / Summary

CASE NARRATIVE

I. Introduction

Between August 31, 2006 and September 11, 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#	MATRIX	DATE OF RECEIPT
B1JL59	JDJ0Q	WATER	8/31/06
B1K6B8	JDQCJ	WATER	9/05/06
B1K6C6	JDQCN	WATER	9/05/06
B1K6B9	JDQCQ	WATER	9/05/06
B1K6C7	JDQCR	WATER	9/05/06
B1K669	JDQCT	WATER	9/05/06
B1K6C5	JDQCV	WATER	9/05/06
B1K679	JDQCW	WATER	9/05/06
B1K245	JDQC5	WATER	9/01/06
B1K249	JDQC8	WATER	9/01/06
B1K552	JDRPF	WATER	9/05/06
B1K5D5	JDRQA	WATER	9/05/06
B1K343	JDR3X	WATER	9/06/06
B1K2K1	JDVMF	WATER	9/06/06

B1K5H0	JDVNQ	WATER	9/06/06
B1K5F7	JDVN1	WATER	9/06/06
B1K5F4	JDVPV	WATER	9/06/06
B1K6T0	JDV4A	WATER	9/06/06
B1KC98	JD5CV	WATER	9/11/06
B1KCB1	JD5C0	WATER	9/11/06

II. Sample Receipt

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

III. Analytical Results/Methodology

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

The requested analyses were:

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
Selenium-79 by method RICH-RC-5043
Enriched Tritium by method RICH-RC-5024
Technetium-99 by TEVA method RICH-RC-5065
Technetium-99 by method RICH-RC-5078
Tritium by method RICH-RC-5007
Carbon-14 by method RICH-RC-5022
Laser Induced Phosphorimetry
Total Uranium by method RICH-RC-5058
Chemical Analysis
Hexavalent Chromium by EPA method 7196A
Total Coliform by method 9223

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-5009:
The samples were reanalyzed due to low tracer yields. The reanalysis is acceptable. The LCS, batch blank, samples and sample duplicate (B1K6B8) results are within contractual requirements.

Gas Proportional Counting

Gross Alpha by method RICH-RC-5014:
Samples B1K2K1 and B1K2K1 DUP were analyzed with reduced volumes due to elevated screen results. The MDA exceeds the CRDL for sample B1K2K1 DUP. Except as noted, the LCS, batch blank, samples and sample duplicate (B1K2K1) results are within contractual requirements.

Gross Beta by method RICH-RC-5014:
Reduced volumes were analyzed for samples B1K2K1 and B1K2K1 DUP based on an elevated screen results. Except as noted, the LCS, batch blank, samples and sample duplicate (B1D170) results are within contractual requirements.

Strontium-90 by method RICH-RC-5006:
The LCS, batch blank, samples and sample duplicate (B1KCB1) results are within contractual requirements.

Gamma Spectroscopy

Gamma Spec by method RICH-RC-5017:
There was insufficient sample for a duplicate. Sample B1K669 was recounted on a different detector for a duplicate sample. Except as noted, the LCS, batch blank, samples and sample duplicate (B1K669) results are within contractual requirements.

Gamma Spec (LL) by method RICH-RC-5017:
The LCS, batch blank, samples and sample duplicate (B1K6T0) results are within contractual requirements.

Iodine-129 (LL) by method RICH-RC-5025:
The LCS, batch blank, samples and sample duplicate (B1K5F4) results are within contractual requirements.

Liquid Scintillation Counting

Technetium-99 by TEVA method RICH-RC-5065:
The LCS, batch blank, samples, sample duplicate (B1K669), and sample matrix spike (B1K5D5) results are within contractual requirements.

Technetium-99 by method RICH-RC-5078:
The LCS, batch blank, samples, sample duplicate (B1K245), and sample matrix spike (B1K249) results are within contractual requirements.

Tritium by method RICH-RC-5007:
The LCS, batch blank, samples and sample duplicate (B1KC98) results are within contractual

requirements.

Enriched Tritium by method RICH-RC-5024:
The enriched tritium analysis was not completed at the time of reporting.

Selenium-79 by method RICH-RC-5043:
There is currently not an available standard for Selenium 79 and an LCS was not analyzed.
The batch blank, samples and sample duplicate (B1K669) results are within contractual requirements.

Carbon-14 by method RICH-RC-5022:
The LCS, batch blank, samples and sample duplicate (B1K6B9) results are within contractual requirements.

Total Uranium
Total Uranium by method RICH-RC-5058:
The LCS, batch blank, samples, sample duplicate (B1K552), and sample matrix spike (B1K669) results are within contractual requirements.

Chemical Analysis
Total Coliform by method 9223
The LCS failed due to analyst error. The analyst added the incorrect culture to the LCS. The data is accepted based on historical LCS performance. The batch blank, samples and sample duplicate (B1K343) results are within contractual requirements.

Hexavalent Chromium by EPA method 7196A
The LCS, batch blank, samples, sample duplicate (B1K6C5), sample matrix spike (B1K6C5), and matrix spike duplicate results (B1K6C5) 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: 33622 File Name: h:\Reportdb\edd\FeadIV\Rad\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.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:
9JD5C010	B1KCB1		MW6-SBB-A1	I06-059	W05001					09/11/2006 09:25

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257327	H-3	10028-17-8	1.57E+03	pCi/L	1.8E+02	2.1E+02		3.08E+02	100.0	906.0_H3_LSC	5.00E-03	L	09/23/2006 19:32	I
6257351	SR-90	10098-97-2	1.95E-01	pCi/L	2.1E-01	2.3E-01	U	4.56E-01	83.2	SRISO_SEP_PRE	1.00E+00	L	10/04/2006 06:07	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:
9JD5CV10	B1KC98		MW6-SBB-A1	I06-059	W05001					09/11/2006 10:23

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257327	H-3	10028-17-8	1.88E+02	pCi/L	1.3E+02	1.5E+02	U	3.01E+02	100.0	906.0_H3_LSC	5.00E-03	L	09/23/2006 16:48	I
6257351	SR-90	10098-97-2	7.33E+00	pCi/L	4.8E-01	1.2E+00		3.94E-01	86.3	SRISO_SEP_PRE	1.00E+00	L	10/04/2006 06:12	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:
9JDJ0Q10	B1JL59		MW6-SBB-A1	S06-007	W05001					08/31/2006 10:00

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257334	H-3	10028-17-8	1.58E+02	pCi/L	1.1E+01	3.0E+01		5.25E+00	100.0	TRITIUM_ELECT_L	1.50E-01	L	02/07/2007 01:27	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:
9JDQC510	B1K245		MW6-SBB-A1	W06-008	W05001					09/01/2006 08:34

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257327	H-3	10028-17-8	1.04E+04	pCi/L	3.5E+02	5.5E+02		3.08E+02	100.0	906.0_H3_LSC	5.00E-03	L	09/23/2006 03:11	I
6257350	TC-99	14133-76-7	1.95E+02	pCi/L	8.7E+00	1.7E+01		1.02E+01	100.0	TC99_SEP_LSC	1.253E-01	L	09/29/2006 13:31	I
6257341	Uranium	7440-61-1	6.64E+00	ug/L	6.8E-01	6.8E-01		8.28E-02		UTOT_KPA	2.53E-02	ML	10/24/2006 20:03	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:
9JDQC810	B1K249		MW6-SBB-A1	W06-008	W05001					09/01/2006 09:15

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257327	H-3	10028-17-8	1.48E+04	pCi/L	4.1E+02	7.1E+02		3.08E+02	100.0	906.0_H3_LSC	5.00E-03	L	09/23/2006 04:32	I
6257350	TC-99	14133-76-7	8.03E+01	pCi/L	6.4E+00	1.1E+01		1.03E+01	100.0	TC99_SEP_LSC	1.254E-01	L	09/29/2006 13:31	I
6257341	Uranium	7440-61-1	5.98E+00	ug/L	6.1E-01	6.1E-01		8.35E-02		UTOT_KPA	2.51E-02	ML	10/24/2006 20:06	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:
9JDQCJ10	B1K6B8		MW6-SBB-A1	I06-055	W05001					09/05/2006 10:51

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: 33622 File Name: h:\Reportdb\edd\FeadIV\Rad\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257327	H-3	10028-17-8	4.11E+04	pCi/L	6.7E+02	1.7E+03		3.08E+02	100.0	906.0_H3_LSC	5.00E-03	L	09/22/2006 23:05	I
6257339	C-14	14762-75-5	2.75E+01	pCi/L	4.3E+00	5.3E+00		8.17E+00	100.0	C14_LSC	2.00E-01	L	09/30/2006 01:03	I
6257343	BE-7	13966-02-4	-5.04E+00	pCi/L	1.6E+01	1.6E+01	U	2.69E+01		GAMMA_GS	2.5017E+00	L	09/22/2006 16:11	I
6257343	CO-60	10198-40-0	-1.81E-01	pCi/L	1.5E+00	1.5E+00	U	2.82E+00		GAMMA_GS	2.5017E+00	L	09/22/2006 16:11	I
6257343	CS-134	13967-70-9	6.70E-01	pCi/L	2.2E+00	2.2E+00	U	3.97E+00		GAMMA_GS	2.5017E+00	L	09/22/2006 16:11	I
6257343	CS-137	10045-97-3	1.29E+00	pCi/L	1.7E+00	1.7E+00	U	3.31E+00		GAMMA_GS	2.5017E+00	L	09/22/2006 16:11	I
6257343	EU-152	14683-23-9	6.88E-01	pCi/L	4.7E+00	4.7E+00	U	8.21E+00		GAMMA_GS	2.5017E+00	L	09/22/2006 16:11	I
6257343	EU-154	15585-10-1	4.11E-01	pCi/L	5.1E+00	5.1E+00	U	9.66E+00		GAMMA_GS	2.502E+00	L	09/22/2006 16:11	I
6257343	EU-155	14391-16-3	-2.12E+00	pCi/L	4.6E+00	4.6E+00	U	7.89E+00		GAMMA_GS	2.5017E+00	L	09/22/2006 16:11	I
6257343	K-40	13966-00-2	-3.69E+01	pCi/L	5.1E+01	5.1E+01	U	1.12E+02		GAMMA_GS	2.5017E+00	L	09/22/2006 16:11	I
6257343	PA-231	14331-85-2	-7.15E+01	pCi/L	5.8E+01	5.8E+01	U	7.50E+01		GAMMA_GS	2.5017E+00	L	09/22/2006 16:11	I
6257343	RU-106	13967-48-1	1.47E+00	pCi/L	1.4E+01	1.4E+01	U	2.56E+01		GAMMA_GS	2.5017E+00	L	09/22/2006 16:11	I
6257343	SB-125	14234-35-6	-1.97E+00	pCi/L	4.2E+00	4.2E+00	U	7.18E+00		GAMMA_GS	2.5017E+00	L	09/22/2006 16:11	I
6257346	I-129L	15046-84-1	8.02E-02	pCi/L	1.2E-01	1.2E-01	U	2.38E-01	95.1	I129LL_SEP_LEPS	3.9286E+00	L	10/18/2006 08:24	I
6257338	SE-79	15758-45-9	4.38E+00	pCi/L	4.7E+00	5.9E+00	U	1.11E+01	77.1	SE79_SEP_IE_LS	2.005E-01	L	09/29/2006 18:46	I
6257351	SR-90	10098-97-2	2.32E-01	pCi/L	1.7E-01	1.9E-01	U	3.78E-01	82.9	SRISO_SEP_PRE	1.0002E+00	L	10/04/2006 06:12	I
6257342	TC-99	14133-76-7	-5.62E+00	pCi/L	3.9E+00	5.5E+00	U	9.96E+00	100.0	TC99_ETVDSK_LS	1.251E-01	L	09/27/2006 14:55	I
6257341	Uranium	7440-61-1	2.08E-01	ug/L	2.1E-02	2.1E-02		8.19E-02		UTOT_KPA	2.56E-02	ML	10/24/2006 12:15	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:
9JDQCJ20	B1K6B8		MW6-SBB-A1	I06-055	W05001					09/05/2006 10:51

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6293515	NP-237	13994-20-2	3.59E-02	pCi/L	1.1E-01	1.1E-01	U	2.15E-01	91.0	NP237_LLE_PLAT	1.99E-01	L	10/27/2006 14:02	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:
9JDQCQ10	B1K6B9		MW6-SBB-A1	I06-055	W05001					09/05/2006 10:51

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257327	H-3	10028-17-8	4.16E+04	pCi/L	6.7E+02	1.7E+03		3.06E+02	100.0	906.0_H3_LSC	5.00E-03	L	09/23/2006 00:27	I
6257339	C-14	14762-75-5	1.57E+01	pCi/L	3.9E+00	4.8E+00		8.17E+00	100.0	C14_LSC	2.00E-01	L	09/30/2006 01:45	I
6257343	BE-7	13966-02-4	-2.43E+00	pCi/L	1.5E+01	1.5E+01	U	2.74E+01		GAMMA_GS	2.5032E+00	L	09/22/2006 16:12	I
6257343	CO-60	10198-40-0	-1.26E-01	pCi/L	1.3E+00	1.3E+00	U	2.72E+00		GAMMA_GS	2.5032E+00	L	09/22/2006 16:12	I
6257343	CS-134	13967-70-9	-4.95E-01	pCi/L	2.0E+00	2.0E+00	U	3.67E+00		GAMMA_GS	2.5032E+00	L	09/22/2006 16:12	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.

6257343	CS-137	10045-97-3	-6.76E-01	pCi/L	1.9E+00	1.9E+00	U	3.27E+00		GAMMA_GS	2.5032E+00	L	09/22/2006	16:12 I
6257343	EU-152	14683-23-9	3.46E+00	pCi/L	4.8E+00	4.8E+00	U	9.05E+00		GAMMA_GS	2.5032E+00	L	09/22/2006	16:12 I
6257343	EU-154	15585-10-1	1.04E+00	pCi/L	6.1E+00	6.1E+00	U	1.20E+01		GAMMA_GS	2.5032E+00	L	09/22/2006	16:12 I
6257343	EU-155	14391-16-3	9.84E-03	pCi/L	3.2E+00	3.2E+00	U	5.68E+00		GAMMA_GS	2.5032E+00	L	09/22/2006	16:12 I
6257343	K-40	13966-00-2	-3.70E+01	pCi/L	3.9E+01	3.9E+01	U	8.49E+01		GAMMA_GS	2.5032E+00	L	09/22/2006	16:12 I
6257343	PA-231	14331-85-2	1.54E+01	pCi/L	5.0E+01	5.0E+01	U	9.09E+01		GAMMA_GS	2.5032E+00	L	09/22/2006	16:12 I
6257343	RU-106	13967-48-1	2.57E-01	pCi/L	1.4E+01	1.4E+01	U	2.69E+01		GAMMA_GS	2.5032E+00	L	09/22/2006	16:12 I
6257343	SB-125	14234-35-6	4.12E+00	pCi/L	4.6E+00	4.6E+00	U	9.00E+00		GAMMA_GS	2.5032E+00	L	09/22/2006	16:12 I
6257346	I-129L	15046-84-1	-3.90E-02	pCi/L	1.5E-01	1.5E-01	U	2.60E-01	96.2	I129LL_SEP_LEPS	3.9498E+00	L	10/18/2006	08:25 I
6257338	SE-79	15758-45-9	5.79E+00	pCi/L	4.8E+00	6.0E+00	U	1.12E+01	75.9	SE79_SEP_IE_LS	2.008E-01	L	09/29/2006	19:38 I
6257351	SR-90	10098-97-2	-6.11E-02	pCi/L	1.8E-01	1.8E-01	U	3.97E-01	85.5	SRISO_SEP_PRE	1.0002E+00	L	10/04/2006	06:12 I
6257342	TC-99	14133-76-7	-2.99E+00	pCi/L	4.0E+00	5.7E+00	U	9.98E+00	100.0	TC99_ETVDSK_LS	1.249E-01	L	09/27/2006	14:55 I
6257341	Uranium	7440-61-1	2.00E-01	ug/L	2.1E-02	2.1E-02		8.38E-02		UTOT_KPA	2.50E-02	ML	10/24/2006	12:17 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:
9JDQCQ20	B1K6B9		MW6-SBB-A1	I06-055	W05001					09/05/2006 10:51

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6293515	NP-237	13994-20-2	3.38E-02	pCi/L	1.0E-01	1.0E-01	U	2.02E-01	98.7	NP237_LLE_PLAT	1.998E-01	L	10/27/2006 14:02	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:
9JDQCT10	B1K669		MW6-SBB-A1	I06-055	W05001					09/05/2006 09:35

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257327	H-3	10028-17-8	3.21E+02	pCi/L	1.4E+02	1.5E+02		3.09E+02	100.0	906.0_H3_LSC	5.00E-03	L	09/23/2006 01:49	I
6257339	C-14	14762-75-5	8.82E+00	pCi/L	3.7E+00	4.5E+00		8.17E+00	100.0	C14_LSC	2.00E-01	L	09/30/2006 03:10	I
6257343	BE-7	13966-02-4	-7.58E+00	pCi/L	1.4E+01	1.4E+01	U	2.28E+01		GAMMA_GS	2.5009E+00	L	09/22/2006 16:12	I
6257343	CO-60	10198-40-0	-1.08E+00	pCi/L	1.7E+00	1.7E+00	U	2.86E+00		GAMMA_GS	2.5009E+00	L	09/22/2006 16:12	I
6257343	CS-134	13967-70-9	-2.19E+00	pCi/L	1.6E+00	1.6E+00	U	2.21E+00		GAMMA_GS	2.5009E+00	L	09/22/2006 16:12	I
6257343	CS-137	10045-97-3	1.60E-01	pCi/L	1.4E+00	1.4E+00	U	2.71E+00		GAMMA_GS	2.5009E+00	L	09/22/2006 16:12	I
6257343	EU-152	14683-23-9	3.14E+00	pCi/L	3.6E+00	3.6E+00	U	7.18E+00		GAMMA_GS	2.5009E+00	L	09/22/2006 16:12	I
6257343	EU-154	15585-10-1	6.21E-02	pCi/L	4.7E+00	4.7E+00	U	9.34E+00		GAMMA_GS	2.5009E+00	L	09/22/2006 16:12	I
6257343	EU-155	14391-16-3	3.68E-01	pCi/L	2.7E+00	2.7E+00	U	4.95E+00		GAMMA_GS	2.5009E+00	L	09/22/2006 16:12	I
6257343	K-40	13966-00-2	1.11E+01	pCi/L	2.1E+01	2.1E+01	U	5.06E+01		GAMMA_GS	2.5009E+00	L	09/22/2006 16:12	I
6257343	PA-231	14331-85-2	-1.56E+01	pCi/L	4.1E+01	4.1E+01	U	7.01E+01		GAMMA_GS	2.5009E+00	L	09/22/2006 16:12	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.

6257343	RU-106	13967-48-1	6.74E+00	pCi/L	1.3E+01	1.3E+01	U	2.66E+01		GAMMA_GS	2.5009E+00	L	09/22/2006	16:12 I
6257343	SB-125	14234-35-6	-1.96E+00	pCi/L	4.0E+00	4.0E+00	U	6.72E+00		GAMMA_GS	2.5009E+00	L	09/22/2006	16:12 I
6257346	I-129L	15046-84-1	6.70E-02	pCi/L	1.2E-01	1.2E-01	U	2.41E-01	96.8	I129LL_SEP_LEPS	3.7477E+00	L	10/18/2006	08:25 I
6257338	SE-79	15758-45-9	7.44E+00	pCi/L	4.9E+00	6.1E+00	U	1.12E+01	76.1	SE79_SEP_IE_LS	2.003E-01	L	09/29/2006	20:31 I
6257351	SR-90	10098-97-2	5.22E-01	pCi/L	2.4E-01	2.7E-01		4.82E-01	66.3	SRISO_SEP_PRE	1.0011E+00	L	10/04/2006	06:12 I
6257342	TC-99	14133-76-7	1.11E+02	pCi/L	7.0E+00	1.3E+01		9.98E+00	100.0	TC99_ETVDSK_LS	1.25E-01	L	09/27/2006	14:55 I
6257341	Uranium	7440-61-1	1.21E+00	ug/L	1.2E-01	1.2E-01		8.25E-02		UTOT_KPA	2.54E-02	ML	10/24/2006	12:21 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:
9JDQCT20	B1K669		MW6-SBB-A1	I06-055	W05001					09/05/2006 09:35

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6293515	NP-237	13994-20-2	0.00E+00	pCi/L	1.0E-01	1.0E-01	U	2.05E-01	103.1	NP237_LLE_PLAT	2.011E-01	L	10/27/2006 14:02	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:
9JDQCW10	B1K679		MW6-SBB-A1	I06-055	W05001					09/05/2006 12:50

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257342	TC-99	14133-76-7	3.87E+01	pCi/L	5.3E+00	8.5E+00		9.97E+00	100.0	TC99_ETVDSK_LS	1.255E-01	L	09/27/2006 14:55	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:
9JDRPF10	B1K552		MW6-SBB-A1	I06-054	W05001					09/05/2006 11:11

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257327	H-3	10028-17-8	2.14E+02	pCi/L	1.3E+02	1.5E+02	U	3.07E+02	100.0	906.0_H3_LSC	5.00E-03	L	09/23/2006 05:54	I
6257346	I-129L	15046-84-1	1.17E+00	pCi/L	2.8E-01	2.8E-01	U	5.32E-01	95.7	I129LL_SEP_LEPS	3.9034E+00	L	10/18/2006 10:07	I
6257342	TC-99	14133-76-7	7.02E+02	pCi/L	1.5E+01	5.4E+01		9.94E+00	100.0	TC99_ETVDSK_LS	1.256E-01	L	09/27/2006 14:55	I
6257341	Uranium	7440-61-1	1.45E+02	ug/L	1.7E+01	1.7E+01		8.35E-02		UTOT_KPA	2.51E-02	ML	10/24/2006 20:13	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:
9JDRQA10	B1K5D5		MW6-SBB-A1	I06-054	W05001					09/05/2006 09:01

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257327	H-3	10028-17-8	1.02E+04	pCi/L	3.5E+02	5.4E+02		3.06E+02	100.0	906.0_H3_LSC	5.00E-03	L	09/23/2006 07:16	I
6257346	I-129L	15046-84-1	2.66E+00	pCi/L	5.5E-01	5.5E-01		3.32E-01	96.8	I129LL_SEP_LEPS	3.9222E+00	L	10/18/2006 10:08	I
6257342	TC-99	14133-76-7	2.92E+02	pCi/L	1.0E+01	2.6E+01		9.98E+00	100.0	TC99_ETVDSK_LS	1.25E-01	L	09/27/2006 14:55	I
6257341	Uranium	7440-61-1	4.87E+00	ug/L	5.0E-01	5.0E-01		8.32E-02		UTOT_KPA	2.52E-02	ML	10/24/2006 20:20	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.

STL Richland Report

Lab Code: STLRL

FormNbr: R FormatType: FEAD Version: 05 Rpt Nbr: 33622 File Name: h:\Reportdb\edd\FeadIV\Rad\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.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:
9JDV4A10	B1K6T0		MW6-SBB-A1	S06-008	W05001					09/06/2006 11:09

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257327	H-3	10028-17-8	1.08E+04	pCi/L	3.6E+02	5.6E+02		3.01E+02	100.0	906.0_H3_LSC	5.00E-03	L	09/23/2006 15:27	I
6257345	BE-7	13966-02-4	6.79E+00	pCi/L	1.5E+01	1.5E+01	U	2.90E+01		GAMMALL_GS	2.0061E+00	L	09/22/2006 13:46	I
6257345	CO-60	10198-40-0	4.35E+00	pCi/L	2.3E+00	2.3E+00	U	5.28E+00		GAMMALL_GS	2.0061E+00	L	09/22/2006 13:46	I
6257345	CS-134	13967-70-9	3.61E-01	pCi/L	1.9E+00	1.9E+00	U	3.52E+00		GAMMALL_GS	2.0061E+00	L	09/22/2006 13:46	I
6257345	CS-137	10045-97-3	-8.61E-01	pCi/L	1.8E+00	1.8E+00	U	3.15E+00		GAMMALL_GS	2.0061E+00	L	09/22/2006 13:46	I
6257345	EU-152	14683-23-9	-1.26E+00	pCi/L	4.2E+00	4.2E+00	U	7.32E+00		GAMMALL_GS	2.0061E+00	L	09/22/2006 13:46	I
6257345	EU-154	15585-10-1	-2.16E+00	pCi/L	4.4E+00	4.4E+00	U	7.73E+00		GAMMALL_GS	2.0061E+00	L	09/22/2006 13:46	I
6257345	EU-155	14391-16-3	7.30E-01	pCi/L	4.1E+00	4.1E+00	U	6.80E+00		GAMMALL_GS	2.0061E+00	L	09/22/2006 13:46	I
6257345	K-40	13966-00-2	-5.45E+00	pCi/L	2.6E+01	2.6E+01	U	5.54E+01		GAMMALL_GS	2.0061E+00	L	09/22/2006 13:46	I
6257345	RU-106	13967-48-1	-6.42E+00	pCi/L	1.5E+01	1.5E+01	U	2.56E+01		GAMMALL_GS	2.0061E+00	L	09/22/2006 13:46	I
6257345	SB-125	14234-35-6	1.70E+00	pCi/L	4.0E+00	4.0E+00	U	7.59E+00		GAMMALL_GS	2.0061E+00	L	09/22/2006 13:46	I
6257346	I-129L	15046-84-1	3.06E+00	pCi/L	5.3E-01	5.3E-01		2.74E-01	92.4	I129LL_SEP_LEPS	3.8281E+00	L	10/18/2006 13:37	I
6257342	TC-99	14133-76-7	1.46E+03	pCi/L	2.1E+01	1.1E+02		1.00E+01	100.0	TC99_ETVDSK_LS	1.25E-01	L	09/27/2006 14:55	I
6257341	Uranium	7440-61-1	1.04E+01	ug/L	1.1E+00	1.1E+00		8.25E-02		UTOT_KPA	2.54E-02	ML	10/24/2006 20:31	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:
9JDVMF10	B1K2K1		MW6-SBB-A1	W06-008	W05001					09/06/2006 11:09

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257347	ALPHA	12587-46-1	6.46E+00	pCi/L	2.7E+00	3.0E+00		2.21E+00	100.0	9310_ALPHABETA	1.788E-01	L	09/26/2006 07:18	I
6257348	BETA	12587-47-2	3.16E+02	pCi/L	9.3E+00	4.1E+01		3.86E+00	100.0	9310_ALPHABETA	1.691E-01	L	10/04/2006 12:47	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:
9JDVN110	B1K5F7		MW6-SBB-A1	I06-054	W05001					09/06/2006 12:11

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257327	H-3	10028-17-8	9.17E+03	pCi/L	3.3E+02	5.0E+02		3.07E+02	100.0	906.0_H3_LSC	5.00E-03	L	09/23/2006 14:05	I
6257346	I-129L	15046-84-1	6.16E-01	pCi/L	2.8E-01	2.8E-01	U	4.44E-01	96.8	I129LL_SEP_LEPS	3.8795E+00	L	10/18/2006 11:51	I
6257342	TC-99	14133-76-7	9.10E+02	pCi/L	1.7E+01	6.8E+01		9.96E+00	100.0	TC99_ETVDSK_LS	1.251E-01	L	09/27/2006 14:55	I
6257341	Uranium	7440-61-1	2.50E+00	ug/L	2.6E-01	2.6E-01		8.25E-02		UTOT_KPA	2.54E-02	ML	10/24/2006 20:23	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:

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: 33622 File Name: h:\Reportdb\edd\FeadIV\Rad\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.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:
9JDVNQ10	B1K5H0		MW6-SBB-A1	I06-054	W05001					09/06/2006 09:20

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257327	H-3	10028-17-8	1.63E+04	pCi/L	4.3E+02	7.7E+02		3.07E+02	100.0	906.0_H3_LSC	5.00E-03	L	09/23/2006 08:38	I
6257346	I-129L	15046-84-1	1.98E-01	pCi/L	1.6E-01	1.6E-01	U	3.25E-01	93.8	I129LL_SEP_LEPS	3.8565E+00	L	10/18/2006 10:08	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:
9JDVPV10	B1K5F4		MW6-SBB-A1	I06-054	W05001					09/06/2006 10:22

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
6257346	I-129L	15046-84-1	-1.18E-01	pCi/L	1.5E-01	1.5E-01	U	2.47E-01	93.8	I129LL_SEP_LEPS	3.9072E+00	L	10/18/2006 11:52	I
6257342	TC-99	14133-76-7	-7.78E-01	pCi/L	4.1E+00	5.8E+00	U	9.96E+00	100.0	TC99_ETVDSK_LS	1.252E-01	L	09/27/2006 14:55	I
6257341	Uranium	7440-61-1	9.64E-01	ug/L	9.9E-02	9.9E-02		8.38E-02		UTOT_KPA	2.50E-02	ML	10/24/2006 20:27	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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD9761AB	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 08/31/2006 10:00
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 08/31/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257334	H-3	6.92E+00	pCi/L	7.1E+00	U	5.27E+00	100.0		TRITIUM_ELE	1.5001E-01	02/06/2007				D
BLK	10028-17-8			5.3E+00						L	22:52				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD9791AB	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/05/2006 09:35
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257338	SE-79	6.54E+00	pCi/L	6.4E+00	U	1.19E+01	72.1		SE79_SEP_IE	2.00E-01	09/29/2006				D
BLK	15758-45-9			5.1E+00						L	22:16				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD97X1AB	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/11/2006 10:23
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 09/11/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257327	H-3	-6.61E+00	pCi/L	1.4E+02	U	3.06E+02	100.0		906.0_H3_LSC	5.00E-03	09/22/2006				D
BLK	10028-17-8			1.2E+02						L	20:22				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD97X1DX	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/11/2006 10:23
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	**BLK**		**Received Date:** 09/11/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257327	H-3	-7.69E+01	pCi/L	1.3E+02	U	3.05E+02	100.0		906.0_H3_LSC	5.00E-03	09/23/2006				D
BLK	10028-17-8			1.2E+02						L	11:21				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD9841AB	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/05/2006 09:35
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257343	BE-7	1.12E+00	pCi/L	1.3E+01	U	2.52E+01			GAMMA_GS	2.5012E+00	09/22/2006				D
BLK	13966-02-4			1.3E+01						L	16:13				
6257343	CO-60	-3.14E-01	pCi/L	1.7E+00	U	3.36E+00			GAMMA_GS	2.5012E+00	09/22/2006				D
BLK	10198-40-0			1.7E+00						L	16:13				
6257343	CS-134	3.18E-01	pCi/L	2.0E+00	U	3.94E+00			GAMMA_GS	2.5012E+00	09/22/2006				D
BLK	13967-70-9			2.0E+00						L	16:13				
6257343	CS-137	-4.81E-01	pCi/L	1.8E+00	U	3.19E+00			GAMMA_GS	2.5012E+00	09/22/2006				D
BLK	10045-97-3			1.8E+00						L	16:13				
6257343	EU-152	1.51E+00	pCi/L	4.6E+00	U	8.48E+00			GAMMA_GS	2.5012E+00	09/22/2006				D
BLK	14683-23-9			4.6E+00						L	16:13				
6257343	EU-154	4.18E-01	pCi/L	5.2E+00	U	1.04E+01			GAMMA_GS	2.5012E+00	09/22/2006				D
BLK	15585-10-1			5.2E+00						L	16:13				
6257343	EU-155	2.05E-01	pCi/L	4.3E+00	U	7.61E+00			GAMMA_GS	2.5012E+00	09/22/2006				D
BLK	14391-16-3			4.3E+00						L	16:13				
6257343	K-40	-4.46E+01	pCi/L	3.8E+01	U	8.51E+01			GAMMA_GS	2.5012E+00	09/22/2006				D
BLK	13966-00-2			3.8E+01						L	16:13				
6257343	PA-231	-7.03E-01	pCi/L	5.0E+01	U	8.96E+01			GAMMA_GS	2.5012E+00	09/22/2006				D
BLK	14331-85-2			5.0E+01						L	16:13				
6257343	RU-106	-6.14E-01	pCi/L	1.7E+01	U	3.17E+01			GAMMA_GS	2.5012E+00	09/22/2006				D
BLK	13967-48-1			1.7E+01						L	16:13				
6257343	SB-125	-3.17E+00	pCi/L	4.7E+00	U	7.90E+00			GAMMA_GS	2.5012E+00	09/22/2006				D
BLK	14234-35-6			4.7E+00						L	16:13				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD9851AB	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/06/2006 11:09
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 09/06/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257345	BE-7	7.33E+00	pCi/L	1.8E+01	U	3.33E+01			GAMMALL_GS	2.0007E+00 L	09/22/2006 13:50				D
BLK	13966-02-4			1.8E+01											
6257345	CO-60	-1.25E+00	pCi/L	2.3E+00	U	3.94E+00			GAMMALL_GS	2.0007E+00 L	09/22/2006 13:50				D
BLK	10198-40-0			2.3E+00											
6257345	CS-134	1.96E+00	pCi/L	2.3E+00	U	4.50E+00			GAMMALL_GS	2.0007E+00 L	09/22/2006 13:50				D
BLK	13967-70-9			2.3E+00											
6257345	CS-137	-1.49E+00	pCi/L	2.2E+00	U	3.73E+00			GAMMALL_GS	2.0007E+00 L	09/22/2006 13:50				D
BLK	10045-97-3			2.2E+00											
6257345	EU-152	-6.95E-01	pCi/L	5.5E+00	U	9.56E+00			GAMMALL_GS	2.0007E+00 L	09/22/2006 13:50				D
BLK	14683-23-9			5.5E+00											
6257345	EU-155	-2.31E+00	pCi/L	5.9E+00	U	1.02E+01			GAMMALL_GS	2.0007E+00 L	09/22/2006 13:50				D
BLK	14391-16-3			5.9E+00											
6257345	K-40	-4.32E+01	pCi/L	6.4E+01	U	1.41E+02			GAMMALL_GS	2.0007E+00 L	09/22/2006 13:50				D
BLK	13966-00-2			6.4E+01											
6257345	RU-106	-2.26E+01	pCi/L	2.0E+01	U	3.14E+01			GAMMALL_GS	2.0007E+00 L	09/22/2006 13:50				D
BLK	13967-48-1			2.0E+01											
6257345	SB-125	2.47E+00	pCi/L	5.7E+00	U	1.05E+01			GAMMALL_GS	2.0007E+00 L	09/22/2006 13:50				D
BLK	14234-35-6			5.7E+00											

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: JD9881AB **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/06/2006 10:22

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 09/06/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257346	I-129L	-6.70E-02	pCi/L	1.5E-01	U	2.53E-01	92.4		I129LL_SEP_L	4.026E+00	10/18/2006				D
BLK	15046-84-1			1.5E-01						L	13:38				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD98D1AB	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/05/2006 10:51
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	**BLK**		**Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257339	C-14	2.74E+00	pCi/L	4.2E+00	U	8.17E+00	100.0		C14_LSC	2.00E-01	09/29/2006				D
BLK	14762-75-5			3.5E+00						L	23:37				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id: JD98L1AB **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/05/2006 11:11

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 09/05/2006

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
6257341	Uranium	3.68E-02	ug/L	3.9E-03	U	8.28E-02			UTOT_KPA	2.53E-02	10/24/2006				D
BLK	7440-61-1			3.9E-03						ML	11:33				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD98V1AB	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/05/2006 09:35
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 09/05/2006

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
6257342	TC-99	-1.18E+00	pCi/L	5.9E+00	U	1.01E+01	100.0		TC99_ETVDSK	1.247E-01	09/27/2006				D
BLK	14133-76-7			4.1E+00						L	14:55				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD9911AB	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/11/2006 09:25
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 09/11/2006

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
6257351	SR-90	-7.57E-02	pCi/L	1.9E-01	U	4.23E-01	84.2		SRISO_SEP_P	1.001E+00	10/04/2006				D
BLK	10098-97-2			1.9E-01						L	06:07				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD99G1AB	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/06/2006 11:09
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	**BLK**		**Received Date:** 09/06/2006

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
6257347	ALPHA	5.70E-01	pCi/L	6.7E-01	U	1.23E+00	100.0		9310_ALPHAB	1.998E-01	09/26/2006				D
BLK	12587-46-1			6.6E-01						L	08:21				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD99H1AB	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/06/2006 11:09
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 09/06/2006

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
6257348	BETA	9.46E-01	pCi/L	1.2E+00	U	2.50E+00	100.0		9310_ALPHAB	1.995E-01	10/04/2006				D
BLK	12587-47-2			1.2E+00						L	12:47				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD99R1AB	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/01/2006 08:34
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 09/01/2006

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
6257350	TC-99	-4.89E+00	pCi/L	5.8E+00	U	1.02E+01	100.0		TC99_SEP_LS	1.259E-01	09/29/2006				D
BLK	14133-76-7			4.0E+00						L	13:31				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JG0JK1AB	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/05/2006 10:51
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	MW6-SBB-A19981								CM	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
6293515	NP-237	-9.15E-03	pCi/L	1.1E-01	U	2.19E-01	98.0		NP237_LLE_P	2.013E-01	10/27/2006				D
BLK	13994-20-2			1.1E-01						L	14:02				

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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD9761CS	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 08/31/2006 10:00
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 08/31/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257334	H-3	3.88E+02	pCi/L	6.9E+01		5.27E+00	100.0	4.55E+02	TRITIUM_ELE	1.50E-01	02/07/2007			70	D
BS	10028-17-8			1.6E+01				85.2		L	00:10			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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD97X1CS	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/11/2006 10:23
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 09/11/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257327	H-3	2.63E+03	pCi/L	2.5E+02		3.06E+02	100.0	2.72E+03	906.0_H3_LSC	5.00E-03	09/22/2006			70	D
BS	10028-17-8			2.1E+02				96.9		L	21:44			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: JD97X1EM **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/11/2006 10:23

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 09/11/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257327	H-3	2.56E+03	pCi/L	2.5E+02		3.05E+02	100.0	2.72E+03	906.0_H3_LSC	5.00E-03	09/23/2006			70	D
BS	10028-17-8			2.1E+02				94.0		L	12:43			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: JD9841CS **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/05/2006 09:35

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257343	CO-60	2.75E+01	pCi/L	6.0E+00		3.15E+00		3.07E+01	GAMMA_GS	2.5014E+00	09/22/2006			75	D
BS	10198-40-0			6.0E+00				89.4		L	16:14			125	
6257343	CS-137	2.13E+01	pCi/L	5.1E+00		2.53E+00		2.06E+01	GAMMA_GS	2.5014E+00	09/22/2006			70	D
BS	10045-97-3			5.1E+00				103.3		L	16:14			130	
6257343	EU-152	6.05E+01	pCi/L	1.1E+01		7.06E+00		6.18E+01	GAMMA_GS	2.5014E+00	09/22/2006			70	D
BS	14683-23-9			1.1E+01				97.9		L	16:14			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: JD9851CS **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/06/2006 11:09

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 09/06/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257345	CO-60	3.79E+01	pCi/L	7.9E+00		4.71E+00		3.23E+01	GAMMALL_GS	2.0009E+00	09/22/2006			75	D
BS	10198-40-0			7.9E+00				117.5		L	13:51			125	
6257345	CS-137	2.13E+01	pCi/L	9.1E+00		4.71E+00		2.61E+01	GAMMALL_GS	2.0009E+00	09/22/2006			70	D
BS	10045-97-3			9.1E+00				81.5		L	13:51			130	
6257345	EU-152	6.31E+01	pCi/L	1.6E+01	U	2.39E+01		7.78E+01	GAMMALL_GS	2.0009E+00	09/22/2006			70	D
BS	14683-23-9			1.6E+01				81.1		L	13:51			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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD9881CS	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/06/2006 10:22
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 09/06/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	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
6257346	I-129L	8.89E+00	pCi/L	1.1E+00		2.87E-01	96.0	9.66E+00	I129LL_SEP_L	4.0045E+00	10/18/2006			70	D
BS	15046-84-1			1.1E+00				92.0		L	13:39			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.

STL Richland QC Control Sample Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD98D1CS	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/05/2006 10:51
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 09/05/2006

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
6257339	C-14	5.11E+01	pCi/L	6.2E+00		8.18E+00	100.0	4.70E+01	C14_LSC	2.00E-01	09/30/2006			70	D
BS	14762-75-5			4.9E+00				108.8		L	00:20			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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD98L1CS	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/05/2006 11:11
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 09/05/2006

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
6257341	Uranium	3.49E+01	ug/L	4.1E+00		8.28E-02		3.57E+01	UTOT_KPA	2.53E-02	10/24/2006			75	D
BS	7440-61-1			4.1E+00				97.8		ML	11:37			125	

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: JD98L1DS **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/05/2006 11:11

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 09/05/2006

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
6257341	Uranium	3.48E+00	ug/L	3.6E-01		8.28E-02		3.60E+00	UTOT_KPA	2.53E-02	10/24/2006			75	D
BS	7440-61-1			3.6E-01				96.7		ML	11:49			125	

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: JD98V1CS **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/05/2006 09:35

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 09/05/2006

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
6257342	TC-99	5.17E+02	pCi/L	4.1E+01		1.00E+01	100.0	5.43E+02	TC99_ETVDSK	1.252E-01	09/27/2006			75	D
BS	14133-76-7			1.3E+01				95.2		L	14:55			125	

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: JD9911CS **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/11/2006 09:25

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 09/11/2006

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
6257351	SR-90	1.22E+01	pCi/L	1.9E+00		4.30E-01	84.7	1.35E+01	SRISO_SEP_P	1.0001E+00	10/04/2006			70	D
BS	10098-97-2			6.2E-01				90.1		L	06:07			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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD99G1CS	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/06/2006 11:09
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 09/06/2006

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
6257347	ALPHA	1.86E+01	pCi/L	4.7E+00		1.11E+00	100.0	2.30E+01	9310_ALPHAB	1.998E-01	09/26/2006			70	D
BS	12587-46-1			2.9E+00				80.8		L	08:21			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.

Lab Sample Id: JD99H1CS **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/06/2006 11:09

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 09/06/2006

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
6257348	BETA	1.98E+01	pCi/L	3.6E+00		3.09E+00	100.0	2.29E+01	9310_ALPHAB	2.00E-01	10/04/2006			70	D
BS	12587-47-2			2.5E+00				86.5		L	12:47			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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JD99R1CS	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/01/2006 08:34
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 09/01/2006

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
6257350	TC-99	4.94E+02	pCi/L	3.5E+01		1.02E+01	100.0	5.41E+02	TC99_SEP_LS	1.256E-01	09/29/2006			70	D
BS	14133-76-7			1.3E+01				91.3		L	13:32			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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id: JG0JK1CS **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/05/2006 10:51

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
	MW6-SBB-A19981								CN	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
6293515	NP-237	1.10E+01	pCi/L	2.1E+00		2.09E-01	97.4	9.08E+00	NP237_LLE_P	2.008E-01	10/27/2006			70	D
BS	13994-20-2			1.4E+00				120.8		L	14:03			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: JD5C01DR **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/11/2006 09:25

Client Id: B1KCB1 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 09/11/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I06-059	MW6-SBB-A19981								AT	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
6257351	SR-90	2.00E-01	pCi/L	2.3E-01	U	4.54E-01	84.4		SRISO_SEP_P	1.0045E+00	10/04/2006	2.3	0.		D
DUP	10098-97-2	1.95E-01		2.3E-01						L	06:07	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: JD5CV1DR **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/11/2006 10:23

Client Id: B1KC98 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 09/11/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I06-059	MW6-SBB-A19981								AU	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
6257327	H-3	1.88E+02	pCi/L	1.5E+02	U	3.06E+02	100.0		906.0_H3_LSC	5.00E-03	09/23/2006	.2	0.		D
DUP	10028-17-8	1.88E+02		1.3E+02						L	18:10	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: JDJ0Q1CR **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 08/31/2006 10:00

Client Id: B1JL59 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 08/31/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
S06-007	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
6257334	H-3	1.55E+02	pCi/L	2.9E+01		5.26E+00	100.0		TRITIUM_ELE	1.50E-01	02/07/2007	2.4	0.2		D
DUP	10028-17-8	1.58E+02		1.1E+01						L	02:45	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: JDQC51ER **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/01/2006 08:34

Client Id: B1K245 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 09/01/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W06-008	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
6257350	TC-99	1.96E+02	pCi/L	1.7E+01		1.03E+01	100.0		TC99_SEP_LS	1.249E-01	09/29/2006	.5	0.1		D
DUP	14133-76-7	1.95E+02		8.7E+00						L	13:31	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: JDQCJ2LR **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/05/2006 10:51

Client Id: B1K6B8 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I06-055	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
6293515	NP-237	-8.44E-03	pCi/L	1.0E-01	U	2.02E-01	98.7		NP237_LLE_P	2.002E-01	10/27/2006	323.1	0.6		D
DUP	13994-20-2	3.59E-02		1.0E-01						L	14:02	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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JDQCQ1LR	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/05/2006 10:51
Client Id:	B1K6B9	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I06-055	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
6257339	C-14	1.29E+01	pCi/L	4.7E+00		8.17E+00	100.0		C14_LSC	2.00E-01	09/30/2006	20.1	0.9		D
DUP	14762-75-5	1.57E+01		3.8E+00						L	02:28	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.

STL Richland QC Duplicate Report

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JDQCT1LR	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/05/2006 09:35
Client Id:	B1K669	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I06-055	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
6257338	SE-79	5.97E+00	pCi/L	6.1E+00	U	1.14E+01	74.6		SE79_SEP_IE	2.01E-01	09/29/2006	21.9	0.3		D
DUP	15758-45-9	7.44E+00		4.9E+00						L	21:23	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: JDQCT1NR **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/05/2006 09:35

Client Id: B1K669 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I06-055	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
6257342	TC-99	1.15E+02	pCi/L	1.4E+01		9.94E+00	100.0		TC99_ETVDSK	1.254E-01	09/27/2006	3.4	0.4		D
DUP	14133-76-7	1.11E+02		7.1E+00						L	14:55	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: JDQCT1PR **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/05/2006 09:35

Client Id: B1K669 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I06-055	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
6257343	BE-7	-9.84E-01	pCi/L	1.3E+01	U	2.38E+01			GAMMA_GS	2.5009E+00	09/26/2006	0.0	0.7		D
DUP	13966-02-4	-7.58E+00		1.3E+01						L	17:46	20.0	3		
6257343	CO-60	6.40E-01	pCi/L	1.6E+00	U	3.48E+00			GAMMA_GS	2.5009E+00	09/26/2006	0.0	1.5		D
DUP	10198-40-0	-1.08E+00		1.6E+00						L	17:46	20.0	3		
6257343	CS-134	-5.63E-01	pCi/L	1.7E+00	U	3.08E+00			GAMMA_GS	2.5009E+00	09/26/2006	0.0	1.3		D
DUP	13967-70-9	-2.19E+00		1.7E+00						L	17:46	20.0	3		
6257343	CS-137	-3.54E-03	pCi/L	1.5E+00	U	2.89E+00			GAMMA_GS	2.5009E+00	09/26/2006	209.0	0.2		D
DUP	10045-97-3	1.60E-01		1.5E+00						L	17:46	20.0	3		
6257343	EU-152	-2.64E-01	pCi/L	3.9E+00	U	7.06E+00			GAMMA_GS	2.5009E+00	09/26/2006	236.8	1.2		D
DUP	14683-23-9	3.14E+00		3.9E+00						L	17:46	20.0	3		
6257343	EU-154	-6.69E-01	pCi/L	3.6E+00	U	7.08E+00			GAMMA_GS	2.5009E+00	09/26/2006	0.0	0.3		D
DUP	15585-10-1	6.21E-02		3.6E+00						L	17:46	20.0	3		
6257343	EU-155	-3.77E+00	pCi/L	2.8E+00	U	4.23E+00			GAMMA_GS	2.5009E+00	09/26/2006	0.0	2.1		D
DUP	14391-16-3	3.68E-01		2.8E+00						L	17:46	20.0	3		
6257343	K-40	-6.03E+00	pCi/L	2.3E+01	U	5.03E+01			GAMMA_GS	2.5009E+00	09/26/2006	673.7	1.1		D
DUP	13966-00-2	1.11E+01		2.3E+01						L	17:46	20.0	3		
6257343	PA-231	8.54E+00	pCi/L	4.6E+01	U	8.30E+01			GAMMA_GS	2.5009E+00	09/26/2006	0.0	0.7		D
DUP	14331-85-2	-1.56E+01		4.6E+01						L	17:46		3		
6257343	RU-106	1.03E+00	pCi/L	1.2E+01	U	2.38E+01			GAMMA_GS	2.5009E+00	09/26/2006	146.8	0.7		D
DUP	13967-48-1	6.74E+00		1.2E+01						L	17:46	20.0	3		
6257343	SB-125	-2.55E+00	pCi/L	3.8E+00	U	6.28E+00			GAMMA_GS	2.5009E+00	09/26/2006	0.0	0.2		D
DUP	14234-35-6	-1.96E+00		3.8E+00						L	17:46	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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JDRPF1FR	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/05/2006 11:11
Client Id:	B1K552	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I06-054	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
6257341	Uranium	1.43E+02	ug/L	1.7E+01		8.42E-02			UTOT_KPA	2.49E-02	10/24/2006	1.0	0.1		D
DUP	7440-61-1	1.45E+02		1.7E+01						ML	20:16	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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id: JDV4A1GR **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/06/2006 11:09

Client Id: B1K6T0 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 09/06/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
S06-008	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
6257345	BE-7	1.34E+00	pCi/L	1.3E+01	U	2.42E+01			GAMMALL_GS	1.8838E+00	09/22/2006	134.0	0.6		D
DUP	13966-02-4	6.79E+00		1.3E+01						L	13:46	20.0	3		
6257345	CO-60	4.04E+00	pCi/L	2.5E+00	U	5.51E+00			GAMMALL_GS	1.8838E+00	09/22/2006	7.2	0.2		D
DUP	10198-40-0	4.35E+00		2.5E+00						L	13:46	20.0	3		
6257345	CS-134	4.37E-01	pCi/L	1.4E+00	U	2.79E+00			GAMMALL_GS	1.8838E+00	09/22/2006	19.1	0.1		D
DUP	13967-70-9	3.61E-01		1.4E+00						L	13:46	20.0	3		
6257345	CS-137	-5.79E-01	pCi/L	1.7E+00	U	2.91E+00			GAMMALL_GS	1.8838E+00	09/22/2006	0.0	0.2		D
DUP	10045-97-3	-8.61E-01		1.7E+00						L	13:46	20.0	3		
6257345	EU-152	2.23E+00	pCi/L	3.6E+00	U	7.14E+00			GAMMALL_GS	1.8838E+00	09/22/2006	715.7	1.4		D
DUP	14683-23-9	-1.26E+00		3.6E+00						L	13:46	20.0	3		
6257345	EU-154	-1.72E+00	pCi/L	5.0E+00	U	9.01E+00			GAMMALL_GS	1.8838E+00	09/22/2006	0.0	0.1		D
DUP	15585-10-1	-2.16E+00		5.0E+00						L	13:46	20.0	3		
6257345	EU-155	-5.74E-01	pCi/L	3.0E+00	U	5.41E+00			GAMMALL_GS	1.8838E+00	09/22/2006	1673.3	0.6		D
DUP	14391-16-3	7.30E-01		3.0E+00						L	13:46	20.0	3		
6257345	K-40	1.64E+01	pCi/L	3.5E+01	U	3.63E+01			GAMMALL_GS	1.8838E+00	09/22/2006	398.5	0.9		D
DUP	13966-00-2	-5.45E+00		3.5E+01						L	13:46	20.0	3		
6257345	RU-106	-2.07E+00	pCi/L	1.4E+01	U	2.48E+01			GAMMALL_GS	1.8838E+00	09/22/2006	0.0	0.4		D
DUP	13967-48-1	-6.42E+00		1.4E+01						L	13:46	20.0	3		
6257345	SB-125	6.25E-01	pCi/L	3.6E+00	U	6.75E+00			GAMMALL_GS	1.8838E+00	09/22/2006	92.3	0.4		D
DUP	14234-35-6	1.70E+00		3.6E+00						L	13:46	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\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JDVMF1DR	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/06/2006 11:09
Client Id:	B1K2K1	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 09/06/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W06-008	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
6257347	ALPHA	3.64E+00	pCi/L	2.6E+00		3.48E+00	100.0		9310_ALPHAB	1.801E-01	09/26/2006	55.9	1.5		D
DUP	12587-46-1	6.46E+00		2.5E+00						L	07:18	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: JDVMF1ER **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/06/2006 11:09

Client Id: B1K2K1 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 09/06/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W06-008	MW6-SBB-A19981								CK	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
6257348	BETA	3.82E+02	pCi/L	5.0E+01		3.46E+00	100.0		9310_ALPHAB	1.681E-01	10/04/2006	19.1	1.9		D
DUP	12587-47-2	3.16E+02		1.0E+01						L	12:47	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: JDVPV1ER **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/06/2006 10:22

Client Id: B1K5F4 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 09/06/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I06-054	MW6-SBB-A19981								CL	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
6257346	I-129L	7.11E-02	pCi/L	1.1E-01	U	2.26E-01	94.1		I129LL_SEP_L	3.8818E+00	10/18/2006	0.0	2.5		D
DUP	15046-84-1	-1.18E-01		1.1E-01						L	11:52	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.

STL Richland Qc Matrix Spike Report

Lab Code: STLRL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id: JDQC81EW **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/01/2006 09:15

Client Id: B1K249 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** MS **Received Date:** 09/01/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W06-008	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
6257350	TC-99	3.09E+03	pCi/L	1.9E+02		1.02E+01	100.0	3.60E+03	TC99_SEP_LS	1.254E-01	09/29/2006			60	D
MS	14133-76-7			3.1E+01				85.8		L	13:31			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.

Lab Sample Id: JDQCT1MW **Sdg/Rept Nbr:** W05001 33622 **Collection Date:** 09/05/2006 09:35

Client Id: B1K669 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** MS **Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I06-055	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
6257341	Uranium	3.71E+01	ug/L	4.5E+00		8.28E-02		3.58E+01	UTOT_KPA	2.53E-02	10/24/2006			60	D
MS	7440-61-1			4.5E+00				103.7		ML	20:00			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

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05001.Edd, h:\Reportdb\edd\FeadIV\Rad\33622.Edd

Lab Sample Id:	JDRQA1FW	**Sdg/Rept Nbr:**	W05001	33622	**Collection Date:** 09/05/2006 09:01
Client Id:	B1K5D5	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	MS		**Received Date:** 09/05/2006

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I06-054	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
6257342	TC-99	3.32E+03	pCi/L	2.5E+02		9.97E+00	100.0	3.59E+03	TC99_ETVDSK	1.255E-01	09/27/2006			60	D
MS	14133-76-7			3.3E+01				92.5		L	14:55			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 164310365
WQ5001
Due 10-16-06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S06-007-192**

Page 1 of 1

Collector DURATEK K. J. YOUNG	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S06-007	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, JULY 2006	DTS - SAWS-H106	**Ice Chest No.** SML-545 **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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1JL59		W	8-31-06	1000	1x20-mL P	Activity Scan	None
B1JL59		W	↓	↓	3x1000-mL P	TRITIUM_ELECT_LSC_LL: H-3 (1) JDJ0Q	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DURATEK K. J. YOUNG			AUG 31 2006 1315		S. Smith	S. Smith	AUG 31 2006 1315
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 J6I050186
WO5001
DURATEK Due 10-20-06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I06-055-204**

Page 1 of 1

Collector D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I06-055	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1-LOI, AUGUST 2006	DTS - SAWS - H106	**Ice Chest No.** GRP-03004 **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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K6B8		W	9/5/06	1051	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1K6B8		W	↓	↓	1x20-mL P	Activity Scan	None
B1K6B8		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1K6B8		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1) JDQCJ	HCl to pH <2
B1K6B8		W			1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2
B1K6B8		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
B1K6B8		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1K6B8		W			3x1000-mL G/P	GAMMA_GS: List-1 + Pa-231 (11)	HNO3 to pH <2
B1K6B8		W			1x1000-mL G/P	NP237_LLE_PLATE_AEA:Np-237(1)	HNO3 to pH <2
B1K6B8		W			2x1000-mL G/P	Selenium-79	HNO3 to pH <2
B1K6C6 (F)		W	↓	↓	1x500-mL aG	7196_CR6: Hexavalent Chromium (1) JDQCN	Cool 4C

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
DURATEK D. R. BREWINGTON	D. R. Brewington	SEP 05 2006 1455	S. Smith	S. Smith	SEP 05 2006 1455
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 I6I050186
W05001
Due 10-20-06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I06-055-205**

Page 1 of 1

Collector DURATEK D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I06-055	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code** 03004
Project Title 2ZP1-LOL AUGUST 2006	DTS - SAWS - H106	**Ice Chest No.** ORP-04-003 **Temp.** 4
Shipped To (Lab) Severn Trent Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** 975-05
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K6B9		W	9/5/6	1051	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1K6B9		W			1x20-mL P	Activity Scan	None
B1K6B9		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1K6B9		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
B1K6B9		W			1x500-mL G/P	UTOT_KPA: Uranium (1) JDQCQ	HNO3 to pH <2
B1K6B9		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
B1K6B9		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1K6B9		W			3x1000-mL G/P	GAMMA_GS: List-1 + Pa-231 (11)	HNO3 to pH <2
B1K6B9		W			1x1000-mL G/P	NP237_LLE_PLATE_AEA:Np-237(1)	HNO3 to pH <2
B1K6B9		W			2x1000-mL G/P	Selenium-79	HNO3 to pH <2
B1K6C7 (F)		W			1x500-mL aG	7196_CR6: Hexavalent Chromium (1) JDQCR	Cool 4C

Relinquished By DURATEK D. R. BREWINGTON Print / Sign SEP 05 2006	Date/Time 1455	Received By L. Smith Print / Sign SEP 05 2006	Date/Time 1455
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

SEVERN TRENT STL

Sample Check-in List

Date/Time Received: 9-5-06 14:55

Client: PBW SDG #: _____ NA [ ] SAF #: I06-055 NA [ ]

Work Order Number: J6I050186 Chain of Custody # I06-055-204, 205

Shipping Container ID: SDS-H100 Air Bill # N/A

1. Custody Seals on shipping container intact? NA [ ] Yes [X] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [X] No [ ]
3. Chain of Custody record present? Yes [X] No [ ]
4. Cooler temperature: _____ NA [ ] 5: Vermiculite/packing materials is NA [X] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 4
7. Sample holding times exceeded? NA [X] Yes [ ] No [ ]
8. Samples have:
   _____tape
   _____custody seals
   _____hazard labels
   ____/____appropriate samples labels
9. Samples are:
   ____/____in good condition
   _____broken
   _____leaking
   _____have air bubbles
   (Only for samples requiring head space)
10. Sample pH taken? NA [ ] pH<2 [X] pH>2 [X] adjusted pH [ ]
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed. Yes [X] No [ ]
12. Were any anomalies identified in sample receipt? Yes [ ] No [X]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: L. Smith Date: 9-5-06 14:55

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

PNNL J6I050188
W05001 due 10-20-06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I06-055-140**

Page 1 of 1

Collector DURATEK R. R. FOX	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I06-055	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1-LOI, AUGUST 2006	Logbook: DTS-SAMS-H104	**Ice Chest No.** EML-442 **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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K669		W	9/5/06	0935	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1K669		W	↓	↓	1x20-mL P	Activity Scan	None
B1K669		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1K669		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1) JDQCT	HCl to pH <2
B1K669		W			1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2
B1K669		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
B1K669		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1K669		W			3x1000-mL G/P	GAMMA_GS: List-1 + Pa-231 (11)	HNO3 to pH <2
B1K669		W			1x1000-mL G/P	NP237_LLE_PLATE_AEA:Np-237(1)	HNO3 to pH <2
B1K669		W			2x1000-mL G/P	Selenium-79	HNO3 to pH <2
B1K6C5 (F)		W	↓	↓	1x500-mL aG	7196_CR6: Hexavalent Chromium (1) JDQCV	Cool 4C

Relinquished By DURATEK R. R. FOX Print / Sign	Date/Time SEP 05 2006 1500	Received By L. Smith Print / S. Smith Sign	Date/Time SEP 05 2006 1506
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 J6I050188
WO5001
Due 10-20-06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I06-055-158**

Page 1 of 1

Collector DURATEK R. R. FOX	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I06-055	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2ZP1-LOI, AUGUST 2006	Logbook: DTS - SAWS - H104	**Ice Chest No.** SML-442 **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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K679		W	9/5/06	1250	1x20-mL P	Activity Scan	None
B1K679		W	↓	↓	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
						JDQCW	

R. Wall 9/5/06

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DURATEK R. R. FOX			SEP 05 2006 1500	S. Smith	S. Smith		SEP 05 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 J6I050189
W05001
Due 10-16-06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W06-008-166**

Page 1 of 1

Collector R.T. SICKLE	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W06-008	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, AUGUST 2006	DTS-SAWS-11105	**Ice Chest No.** SAWS 300 **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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K245		W	9-1-06	0834	1x20-mL P	Activity Scan	None
B1K245		W	↓	↓	1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2
B1K245		W			1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1K245		W			3x1000-mL G/P	TC99_SEP_LSC: Tc-99 (1)	HCl to pH <2
						JDQC5	

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
R.T. SICKLE		SEP 01 2006 1100	IG HOGAN	IG Hogan	9-1-06 1100
IG HOGAN	IG Hogan	9-1-06 1415	DAVID HARBISON		9/1/06 1415

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 J6T05018 9
LW05001
Due 10-16-06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W06-008-172**

Page 1 of 1

Collector R.T. SICKLE	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W06-008	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, AUGUST 2006	DTS-SAWS-H105	**Ice Chest No.** SAWS300 **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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K249		W	9-1-06	0915	1x20-mL P	Activity Scan	None
B1K249		W	↓	↓	1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2
B1K249		W			1x1000-mL P	906.0_H3_LSC: Tritium (1) JDQC8	None
B1K249		W			3x1000-mL G/P	TC99_SEP_LSC: Tc-99 (1)	HCl to pH <2

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
R.T. SICKLE	SEP 0 1 2006 1100	JG HOGAN	9-1-06/1100
JG HOGAN	9-1-06 14:15	DAVIS HARRIS	9/1/06 14:15

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 06I060210 W05001 Due 10-30-06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I06-054-20**

Page 1 of 1

Collector DURATEK R. R. FOX	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I06-054	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1-LOI, AUGUST 2006	Logbook: DTS-SAWS-1104	**Ice Chest No.** SMC-442 **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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K552		W	9/5/06	1111	1x20-mL P	Activity Scan	None
B1K552		W	↓	↓	1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2
B1K552		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1K552		W			1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1K552		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1) JDRPF	HCl to pH <2

R. Wall 9/5/06

Relinquished By DURATEK R. R. FOX	Print	Sign	Date/Time SEP 05 2006 1500	Received By	Print L. Smith	Sign S. Smith	Date/Time SEP 05 2006 1500	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 J6I060211
WO 5001
Due 10-20-06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I06-054-146**

Page 1 of 1

Collector R.T. SICKLE	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I06-054	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1-LOL AUGUST 2006	DTS-SAWS-A105	**Ice Chest No.** 001 **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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K5D5		W	9-5-06	0901	1x20-mL P	Activity Scan	None
B1K5D5		W	↓	↓	1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2
B1K5D5		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1K5D5		W			1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1K5D5		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
						JDRQA	

Relinquished By Print R.T. SICKLE Sign	Date/Time SEP 05 2006 1430	Received By Print S. Smith Sign S. Smith	Date/Time SEP 05 2006 1430
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 J61060263
WO 50701
Due 10-20-06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W06-008-458**

Page 1 of 1

Collector R.T. SICKLE	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W06-008	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, AUGUST 2006	DTS-SAWS-H105	**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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K343		W	9-6-06	1024	1x20-mL P	Activity Scan	None
B1K343		W	↓	↓	1x500-mL P	9223_COLIFORM: Coliform (1)	Na2S2O3 Cool 4C
						JDR3X	

Relinquished By	Print R.T. SICKLE	Sign	Date/Time SEP 06 2006 1245	Received By	Print L. Smith	Sign L. Smith	Date/Time SEP 06 2006 1245
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 J6I070146
W05001
Due 10.20.06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **W06-008-550**

Page 1 of 1

Collector DURATEK R. R. FOX	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. W06-008	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, AUGUST 2006	Logbook: DTS-SAWS-H104	**Ice Chest No.** SML-442 **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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K2K1		W	9/6/06	1109	1x20-mL P	Activity Scan	None
B1K2K1		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
						JDVMF	

R. Wall 9/6/06

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DURATEK R. R. FOX			SEP 06 2006 1455	S. Smith	S. Smith		SEP 06 2006 1455
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 J6I070147
WO 5001
due 10.20.06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I06-054-176**

Page 1 of 1

Collector DURATEK R. R. FOX	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I06-054	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1-LOL AUGUST 2006	Logbook: DTS-SAWS-H104	**Ice Chest No.** SML-442 **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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K5H0		W	9/6/06	0920	1x20-mL P	Activity Scan	None
B1K5H0		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1K5H0		W	↓	↓	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
						JDVNQ	
						R. Wood 9/6/06	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
DURATEK R. R. FOX			SEP 06 2006 1455		S. Smith	S. Smith	SEP 06 2006 1455
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 JGI070147
W05001
Due 10-20-06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I06-054-170**

Page 1 of 1

Collector DURATEK D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I06-054	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1-LOL AUGUST 2006	DTS-SAWS-H106	**Ice Chest No.** SMC-595 **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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K5F7		W	9/6/06	1211	1x20-mL P	Activity Scan	None
B1K5F7		W	↓	↓	1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2
B1K5F7		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1K5F7		W			1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1K5F7		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
						JDVNI	

Relinquished By DURATEK D. R. BREWINGTON Print / Sign SEP 0 6 2006 Date/Time 1455	Received By Print / Sign S. Smith SEP 0 6 2006 Date/Time 1455	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 J6I070147 W05001 Due 10.20.06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I06-054-164

Page 1 of 1

Collector DURATEK D. R. BREWINGTON	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I06-054	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1-LOI, AUGUST 2006	DTS-SAWS-H106	**Ice Chest No.** SML-595 **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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K5F4		W	9/6/6	1022	1x20-mL P	Activity Scan	None
B1K5F4		W	↓	↓	1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2
B1K5F4		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1K5F4		W	↓	↓	1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
						JDVPV	

Relinquished By DURATEK D. R. BREWINGTON Print D. Brewington Sign SEP 0 6 2006 Date/Time 1455	Received By Print L. Smith Sign S. Smith SEP 0 6 2006 Date/Time 1455	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 J6I070190
WO 5001
Due 10-20-06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **S06-008-23**

Page 1 of 1

Collector ~~DURATEK~~ R. R. FOX	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. S06-008	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, AUGUST 2006	Logbook: DTS-SAWS-H104	**Ice Chest No.** SML-442 **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
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1K6T0		W	9/6/06	1109	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1K6T0		W	↓	↓	1x20-mL P	Activity Scan	None
B1K6T0		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1K6T0		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
B1K6T0		W			1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1K6T0		W	↓	↓	1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2
						JDV4A	
					R. Wall 9/6/06		

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
~~DURATEK~~ R. R. FOX			SEP 06 2006 1455	S. Smith	S. Smith	S. Smith	SEP 06 2006 1455
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 JGI120194
WO5001
Due 10-26-06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I06-059-2**

Page 1 of 1

Collector ~~DURATEK F. M. HALL~~	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I06-059	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 100NR2JAM-LOI SEPTEMBER 2006	DJI-SAWS-H105	**Ice Chest No.** SHWS-119 **Temp.**
Shipped To (Lab) Severn Trent Incornorated, 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 ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1KC98		W	9-11-06	1023	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
~~B1KC98~~		~~W~~			~~1x1000-mL P~~	~~9310_ALPHABETA_GPC: Gross Beta (1)~~ 8-31-06 DF	HNO3 to pH <2
B1KC98		W	9-11-06	1023	1x20-mL P	Activity Scan	None
B1KC98		W	"	"	3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
						TD5CV	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
~~DURATEK F. M. HALL~~			SEP 11 2006 15:10	L. Smith	S. Smith		SEP 11 2006 15:10
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 J6I120194 W05001 due 10.26.06

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # I06-059-5

Page 1 of 1

Collector ~~DURATEK~~ F. M. HALL	**Contact/Requester** Dot Stewart	**Telephone No.** 509-376-5056 **MSIN** **FAX**
SAF No. I06-059	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 100NR2IAM-LOI, SEPTEMBER 2006	DTJ-SAWS-14105	**Ice Chest No.** SAWS-119 **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 ☐
Batch all PNNL GW samples submitted under "W", "S", "I", "A" or "G" 06 SAFs into one SDG, not to exceed SDG closure of 14 days.
Submit invoices & deliverables to DL Stewart, PNNL

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1KCB1		W	9-11-06	0925	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
~~B1KCB1~~		~~W~~			~~1x1000-mL P~~	~~9310_ALPHABETA_GPC: Gross Beta (1)~~ 8-31-06 DF	HNO3 to pH <2
B1KCB1		W	9-11-06	0820	1x20-mL P	Activity Scan	None
B1KCB1		W	↓	↓	3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
						JD5CO	

Relinquished By DURATEK F. M. HALL	Print	Sign	Date/Time SEP 11 2006 15:10	Received By L. Smith	Print S. Smith	Sign	Date/Time SEP 11 2006 15:10
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