Analytical Data Package Prepared For

Fluor Hanford

Radiochemical Analysis By

TestAmerica TARL

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

Data Package Contains _____ Pages

Report Nbr: 39817

RECEIVED SEPTEMBER 10, 2008

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05475	S08-006	B1VLT1	J8H040186-1	KTK981AA	9KTK9810	8228258
		B1VLT1	J8H040186-1	KTK981AC	9KTK9810	8228262
		B1VLT1	J8H040186-1	KTK982AD	9KTK9820	8228255
		B1VM49	J8H040186-2	KTK991AC	9KTK9910	8228271
		B1VM49	J8H040186-2	KTK992AA	9KTK9920	8238307
		B1VLT2	J8H040186-3	KTLAC1AA	9KTLAC10	8228258
		B1VLT2	J8H040186-3	KTLAC1AC	9KTLAC10	8228262
		B1VLT2	J8H040186-3	KTLAC1AD	9KTLAC10	8228255
		B1VM50	J8H040186-4	KTLAF2AA	9KTLAF20	8238307
		B1VLF3	J8H040186-5	KTLAH2AA	9KTLAH20	8238307
		B1VLV1	J8H040186-6	KTLAK1AA	9KTLAK10	8228258
		B1VLV1	J8H040186-6	KTLAK1AC	9KTLAK10	8228262
		B1VLV1	J8H040186-6	KTLAK1AD	9KTLAK10	8228255
		B1VLK6	J8H040186-7	KTLAM1AA	9KTLAM10	8228258
	I08-047	B1W1N0	J8H050264-1	KTMMK1A	9KTMMK10	8219212

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Comments:

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SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05475	I08-032	B1TW31	J8H050269-1	KTMM01AA	9KTMM010	8219209
	I08-043	B1VKX0	J8H060299-1	KTP0G1AC	9KTP0G10	8228273
		B1VKX0	J8H060299-1	KTP0G1AD	9KTP0G10	8228258
		B1VKX0	J8H060299-1	KTP0G1AE	9KTP0G10	8228262
		B1VKX0	J8H060299-1	KTP0G1AF	9KTP0G10	8228272
		B1VKX0	J8H060299-1	KTP0G1AG	9KTP0G10	8228255
		B1VKX0	J8H060299-1	KTP0G2AA	9KTP0G20	8238307
		B1VKX1	J8H060299-2	KTP0K1AC	9KTP0K10	8228273
		B1VKX1	J8H060299-2	KTP0K1AD	9KTP0K10	8228258
		B1VKX1	J8H060299-2	KTP0K1AE	9KTP0K10	8228262
		B1VKX1	J8H060299-2	KTP0K1AF	9KTP0K10	8228272
		B1VKX1	J8H060299-2	KTP0K1AG	9KTP0K10	8228255
		B1VKX1	J8H060299-2	KTP0K2AA	9KTP0K20	8238307
	W08-008	B1WJF5	J8H060303-1	KTP061AA	9KTP0610	8228258
		B1WJF5	J8H060303-1	KTP061AC	9KTP0610	8228269
		B1WJJ9	J8H060303-2	KTP1A1AA	9KTP1A10	8228258
		B1WJJ9	J8H060303-2	KTP1A1AC	9KTP1A10	8228269
		B1WJC2	J8H060318-1	KTP561AA	9KTP5610	8228269
		B1WJD3	J8H060318-2	KTP6J1AA	9KTP6J10	8228258
		B1WJD3	J8H060318-2	KTP6J1AC	9KTP6J10	8228269
		B1WJF1	J8H060318-3	KTP6T1AA	9KTP6T10	8228258
		B1WJH3	J8H060318-4	KTP6V1AA	9KTP6V10	8228258
	S08-008	B1WFY8	J8H070330-1	KTR2V1AC	9KTR2V10	8228257
		B1WFY8	J8H070330-1	KTR2V1AD	9KTR2V10	8228273
		B1WFY8	J8H070330-1	KTR2V1AE	9KTR2V10	8228258
		B1WFY8	J8H070330-1	KTR2V1AF	9KTR2V10	8228262

Comments:

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SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05475	S08-008 /	B1WFY8	J8H070330-1	KTR2V2AA	9KTR2V20	8238307
		B1WH10	J8H070330-2	KTR2W1AC	9KTR2W10	8228257
		B1WH10	J8H070330-2	KTR2W1AD	9KTR2W10	8228273
		B1WH10	J8H070330-2	KTR2W1AE	9KTR2W10	8228258
		B1WH10	J8H070330-2	KTR2W1AF	9KTR2W10	8228262
		B1WH10	J8H070330-2	KTR2W2AA	9KTR2W20	8238307
		B1WH12	J8H070330-3	KTR201AA	9KTR2010	8228258
		B1WH12	J8H070330-3	KTR201AC	9KTR2010	8228262
	I08-053	B1WDM2	J8H110167-1	KT0CN1AA	9KT0CN10	8228262
		B1WDM3	J8H110167-2	KT0CR1AA	9KT0CR10	8228262

Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Certificate of Analysis

Fluor Hanford
1200 Jadwin Ave.
Richland, WA 99352

September 10, 2008

Attention: Steve Trent

SAF Number	:	S08-006, I08-047, I08-032, I08-043, W08-008, S08-008, I08-053
Date SDG Closed	:	August 11, 2008
Number of Samples	:	Twenty two (22)
Sample Type	:	Water
SDG Number	:	W05475
Data Deliverable	:	30-Day / Summary

CASE NARRATIVE

I. Introduction

Between August 4, 2008 and August 11, 2008 twenty two water samples were received at STL Richland (TALR) for radiochemical analysis. Upon receipt, the samples were assigned the following laboratory ID numbers to correspond with the Fluor Hanford specific IDs:

PGW ID#	TALR ID#	DATE OF RECEIPT	MATRIX
B1VLT1	KTK98	8/04/08	WATER
B1VM49	KTKPP	8/04/08	WATER
B1VLT2	KTLAC	8/04/08	WATER
B1VM50	KTLAF	8/04/08	WATER
B1VLF3	KTLAH	8/04/08	WATER
B1VLV1	KTLAK	8/04/08	WATER
B1VLK6	KTLAM	8/04/08	WATER
B1W1N0	KTMMK	8/05/08	WATER
B1TW31	KTMM0	8/05/08	WATER
B1VKX0	KTP0G	8/06/08	WATER
B1VKX1	KTP0K	8/06/08	WATER
B1WJF5	KTP06	8/06/08	WATER
B1WJJ9	KTP1A	8/06/08	WATER

B1WJC2	KTP56	8/06/08	WATER
B1WJD3	KTP6J	8/06/08	WATER
B1WJF1	KTP6T	8/06/08	WATER
B1WJH3	KTP6V	8/06/08	WATER
B1WFY8	KTR2V	8/07/08	WATER
B1WH10	KTR2W	8/07/08	WATER
B1WH12	KTR20	8/07/08	WATER
B1WDM2	KT0CN	8/11/08	WATER
B1WDM3	KT0CR	8/11/08	WATER

II. Sample Receipt

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

III. Analytical Results/Methodology

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

The requested analyses were:

Alpha Spectroscopy
Thorium-228,230,232 by method RICH-RC-5084
Uranium 234, 235 and 238 by method RICH-RC-5039
Neptunium-237 by method RICH-RC-5009
Gas Proportional Counting
Strontium-90 by method RICH-RC-5006
Gamma Spectroscopy
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
Technetium-99 by method RICH-RC-5078
Carbon-14 by method RICH-RC-5022
Chemical Analysis
Hexavalent Chromium by EPA method 7196A

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

Thorium-228, 230,232 by method RICH-RC-5084:
The LCS, batch blank, sample and sample duplicate (B1WFY8) results are within contractual requirements.

Uranium 234, 235 and 238 by method RICH-RC-5039:
Samples B1VLT1, B1VLT1 DUP, B1VLT2 and B1VLV1 were analyzed with reduced aliquots based on weight screen results.

The spectrum for sample B1VLT1 had unexpected peaks, possibly plutonium, near the region of interest. The ED disk was stripped and the sample was put through another column. The sample was then re-deposited on the disk and recounted. The data was acceptable.

Except as noted, the LCS, batch blank, sample and sample duplicate (B1VLT1) results are within contractual requirements.

Neptunium-237 by method RICH-RC-5009:
During the calcium phosphate precipitation, the amount of precipitate formed was notably smaller than expected. The samples were considered to have been lost at that time. The reagents used in the precipitation were replaced and the samples were reanalyzed. Except as noted, the LCS, batch blank, sample and sample duplicate (B1VLF3) results are within contractual requirements.

Gas Proportional Counting

Strontium-90 by method RICH-RC-5006
The LCS, batch blank, samples and sample duplicate (B1VM49) results are within contractual requirements.

Gamma Spectroscopy

Gamma Spec (LL) by method RICH-RC-5017:
The LCS, batch blank, samples and sample duplicate (B1VLT2) results are within contractual requirements.

Iodine-129 (LL) by method RICH-RC-5025:
The LCS, batch blank, samples and sample duplicate (B1WDM2) results are within contractual requirements.

Liquid Scintillation Counting

Selenium-79 by method RICH-RC-5043:
There is no LCS for selenium-79. Except as noted, the LCS, batch blank, samples and sample duplicate (B1VKX1) results are within contractual requirements.

Technetium-99 by method RICH-RC-5078:
The LCS, batch blank, samples, sample duplicate (B1WJF5), and sample matrix spike (B1WJJ9) results are within contractual requirements.

Carbon-14 by method RICH-RC-5022:
The LCS, batch blank, samples and sample duplicate (B1VKX0) results are within contractual requirements.

Chemical Analysis
Hexavalent Chromium by EPA method 7196A:

Batch 8219209
The LCS, batch blank, samples, sample duplicate (B1TW31), sample matrix spike (B1TW31), and matrix spike duplicate (B1TW31) results are within contractual requirements.

Batch 8219212
The LCS, batch blank, samples, sample duplicate (B1W1N0), sample matrix spike (B1W1N0), and matrix spike duplicate (B1W1N0) results are within contractual requirements.

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

Reviewed and approved:

Sandra Seger
Project Manager

Drinking Water Method Cross References

	DRINKING WATER ASTM METHOD CROSS REFERENCES	
Referenced Method	**Isotope(s)**	**TestAmerica Richland's SOP No.**
EPA 901.1	Cs-134, I-131	RICH-RC-5017
EPA 900.0	Alpha & Beta	RICH-RC-5014
EPA 00-02	Gross Alpha (Coprecipitation)	RICH-RC-5021
EPA 903.0	Total Alpha Radium (Ra-226)	RICH-RC-5027
EPA 903.1	Ra-226	RICH-RC-5005
EPA 904.0	Ra-228	RICH-RC-5005
EPA 905.0	Sr-89/90	RICH-RC-5006
ASTM D5174	Uranium	RICH-RC-5058
EPA 906.0	Tritium	RICH-RC-5007

Results in this report relate only to the sample(s) analyzed.

Uncertainty Estimation

TestAmerica 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/?n), where S is the standard deviation of the derived results. The type B uncertainties are all other random or non-random components that are not included in the standard deviation.

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

Report Definitions

Action Lev	An agreed upon activity level used to trigger some action when the final result is greater than or equal to the Action Level. Often the Action Level is related to the Decision Limit.
Batch	The QC preparation batch number that relates laboratory samples to QC samples that were prepared and analyzed together.
Bias	Defined by the equation (Result/Expected)-1 as defined by ANSI N13.30.
COC No	Chain of Custody Number assigned by the Client or TestAmerica.
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 TestAmerica "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 TestAmerica 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.

9/10/2008 11:47:39 AM

TestAmerica Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **Version:** 05 **Rpt Nbr:** 39817 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.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:
9KT0CN10	B1WDM2		MW6-SBB-A1	I08-053	W05475					08/10/2008 12:32

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228262	I-129L	15046-84-1	2.37E-02	pCi/L	1.2E-01	1.2E-01	U	2.33E-01	98.9	I129LL_SEP_LEPS	3.8926E+00	L	09/03/2008 19:45	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KT0CR10	B1WDM3		MW6-SBB-A1	I08-053	W05475					08/10/2008 12:32

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228262	I-129L	15046-84-1	-8.76E-02	pCi/L	1.2E-01	1.2E-01	U	1.99E-01	107.0	I129LL_SEP_LEPS	3.9075E+00	L	09/03/2008 21:27	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:
9KTK9810	B1VLT1		MW6-SBB-A1	S08-006	W05475					07/31/2008 14:39

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228258	BE-7	13966-02-4	8.97E+00	pCi/L	6.3E+01	6.3E+01	U	1.05E+02		GAMMALL_GS	2.00E+00	L	08/27/2008 08:55	I
8228258	CO-60	10198-40-0	-1.29E+00	pCi/L	2.1E+00	2.1E+00	U	3.46E+00		GAMMALL_GS	2.00E+00	L	08/27/2008 08:55	I
8228258	CS-134	13967-70-9	1.83E+00	pCi/L	2.4E+00	2.4E+00	U	4.46E+00		GAMMALL_GS	2.00E+00	L	08/27/2008 08:55	I
8228258	CS-137	10045-97-3	1.65E+03	pCi/L	2.0E+02	2.0E+02		4.70E+00		GAMMALL_GS	2.00E+00	L	08/27/2008 08:55	I
8228258	EU-152	14683-23-9	-2.66E+00	pCi/L	1.2E+01	1.2E+01	U	1.99E+01		GAMMALL_GS	2.00E+00	L	08/27/2008 08:55	I
8228258	EU-154	15585-10-1	2.11E-01	pCi/L	5.5E+00	5.5E+00	U	1.02E+01		GAMMALL_GS	2.00E+00	L	08/27/2008 08:55	I
8228258	EU-155	14391-16-3	1.16E+00	pCi/L	8.4E+00	8.4E+00	U	1.41E+01		GAMMALL_GS	2.00E+00	L	08/27/2008 08:55	I
8228258	K-40	13966-00-2	-5.69E+01	pCi/L	4.7E+01	4.7E+01	U	9.36E+01		GAMMALL_GS	2.00E+00	L	08/27/2008 08:55	I
8228258	RU-106	13967-48-1	1.13E+01	pCi/L	2.9E+01	2.9E+01	U	5.08E+01		GAMMALL_GS	2.00E+00	L	08/27/2008 08:55	I
8228258	SB-125	14234-35-6	-2.53E+00	pCi/L	1.4E+01	1.4E+01	U	2.40E+01		GAMMALL_GS	2.00E+00	L	08/27/2008 08:55	I
8228262	I-129L	15046-84-1	1.70E+00	pCi/L	4.1E-01	4.1E-01	U	6.79E-01	91.9	I129LL_SEP_LEPS	3.8845E+00	L	09/03/2008 11:50	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:
9KTK9820	B1VLT1		MW6-SBB-A1	S08-006	W05475					07/31/2008 14:39

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228255	U-234	13966-29-5	1.00E+01	pCi/L	1.8E+00	2.4E+00		3.71E-01	87.0	UISO_PLATE_AEA	8.876E-02	L	09/04/2008 08:13	I
8228255	U-235	15117-96-1	3.87E-01	pCi/L	3.5E-01	3.5E-01		3.71E-01	87.0	UISO_PLATE_AEA	8.876E-02	L	09/04/2008 08:13	I
8228255	U-238	U-238	9.60E+00	pCi/L	1.7E+00	2.3E+00		3.71E-01	87.0	UISO_PLATE_AEA	8.876E-02	L	09/04/2008 08:13	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:

TestAmerica

rptFeadRadSummaryEdd v3.48

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:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KTK9910	B1VM49		MW6-SBB-A1	S08-006	W05475					07/31/2008 14:39

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228271	SR-90	10098-97-2	3.74E+03	pCi/L	2.3E+01	5.4E+02		1.78E+00	74.3	SRISO_SEP_PRE	1.00E+00	L	08/31/2008 05:32	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:
9KTK9920	B1VM49		MW6-SBB-A1	S08-006	W05475					07/31/2008 14:39

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8238307	NP-237	13994-20-2	0.00E+00	pCi/L	1.3E-01	1.3E-01	U	3.10E-01	77.5	NP237_LLE_PLAT	2.001E-01	L	09/02/2008 20:18	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:
9KTLAC10	B1VLT2		MW6-SBB-A1	S08-006	W05475					07/31/2008 14:39

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228258	BE-7	13966-02-4	-6.27E+01	pCi/L	5.2E+01	5.2E+01	U	8.22E+01		GAMMALL_GS	2.00E+00	L	08/27/2008 08:56	I
8228258	CO-60	10198-40-0	9.58E-01	pCi/L	1.4E+00	1.4E+00	U	2.96E+00		GAMMALL_GS	2.00E+00	L	08/27/2008 08:56	I
8228258	CS-134	13967-70-9	2.07E-01	pCi/L	1.4E+00	1.4E+00	U	2.63E+00		GAMMALL_GS	2.00E+00	L	08/27/2008 08:56	I
8228258	CS-137	10045-97-3	1.62E+03	pCi/L	2.1E+02	2.1E+02		3.79E+00		GAMMALL_GS	2.00E+00	L	08/27/2008 08:56	I
8228258	EU-152	14683-23-9	-8.07E+00	pCi/L	9.9E+00	9.9E+00	U	1.62E+01		GAMMALL_GS	2.00E+00	L	08/27/2008 08:56	I
8228258	EU-154	15585-10-1	-1.36E-02	pCi/L	3.4E+00	3.4E+00	U	6.56E+00		GAMMALL_GS	2.00E+00	L	08/27/2008 08:56	I
8228258	EU-155	14391-16-3	5.73E-01	pCi/L	6.6E+00	6.6E+00	U	1.11E+01		GAMMALL_GS	2.00E+00	L	08/27/2008 08:56	I
8228258	K-40	13966-00-2	1.58E+01	pCi/L	2.3E+01	2.3E+01	U	4.56E+01		GAMMALL_GS	2.00E+00	L	08/27/2008 08:56	I
8228258	RU-106	13967-48-1	2.71E+01	pCi/L	2.2E+01	2.2E+01	U	4.01E+01		GAMMALL_GS	2.00E+00	L	08/27/2008 08:56	I
8228258	SB-125	14234-35-6	7.75E-02	pCi/L	1.2E+01	1.2E+01	U	2.03E+01		GAMMALL_GS	2.00E+00	L	08/27/2008 08:56	I
8228262	I-129L	15046-84-1	1.55E+00	pCi/L	3.9E-01	3.9E-01	U	6.53E-01	97.6	I129LL_SEP_LEPS	3.8725E+00	L	09/03/2008 11:50	I
8228255	U-234	13966-29-5	9.41E+00	pCi/L	1.8E+00	2.4E+00		4.81E-01	83.0	UISO_PLATE_AEA	8.488E-02	L	08/25/2008 17:35	I
8228255	U-235	15117-96-1	1.70E-01	pCi/L	3.0E-01	3.1E-01	U	6.26E-01	83.0	UISO_PLATE_AEA	8.488E-02	L	08/25/2008 17:35	I
8228255	U-238	U-238	9.46E+00	pCi/L	1.8E+00	2.4E+00		5.84E-01	83.0	UISO_PLATE_AEA	8.488E-02	L	08/25/2008 17:35	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:
9KTLAF20	B1VM50		MW6-SBB-A1	S08-006	W05475					07/31/2008 14:39

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8238307	NP-237	13994-20-2	0.00E+00	pCi/L	1.1E-01	1.1E-01	U	2.48E-01	76.6	NP237_LLE_PLAT	2.00E-01	L	09/02/2008 20:19	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KTLAH20	B1VLF3		MW6-SBB-A1	S08-006	W05475					08/03/2008 08:48

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.

TestAmerica Report

Lab Code: TARL

FormNbr: R FormatType: FEAD Version: 05 Rpt Nbr: 39817 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8238307	NP-237	13994-20-2	0.00E+00	pCi/L	1.1E-01	1.1E-01	U	2.58E-01	67.1	NP237_LLE_PLAT	2.001E-01	L	09/02/2008 23:14	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:
9KTLAK10	B1VLV1		MW6-SBB-A1	S08-006	W05475					08/03/2008 08:48

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228258	BE-7	13966-02-4	-5.74E+00	pCi/L	1.7E+01	1.7E+01	U	2.88E+01		GAMMALL_GS	2.0001E+00	L	08/27/2008 08:57	I
8228258	CO-60	10198-40-0	8.31E-01	pCi/L	1.8E+00	1.8E+00	U	3.40E+00		GAMMALL_GS	2.0001E+00	L	08/27/2008 08:57	I
8228258	CS-134	13967-70-9	1.53E+00	pCi/L	1.7E+00	1.7E+00	U	3.16E+00		GAMMALL_GS	2.0001E+00	L	08/27/2008 08:57	I
8228258	CS-137	10045-97-3	4.34E+01	pCi/L	6.8E+00	6.8E+00		2.58E+00		GAMMALL_GS	2.0001E+00	L	08/27/2008 08:57	I
8228258	EU-152	14683-23-9	1.27E+00	pCi/L	4.2E+00	4.2E+00	U	7.30E+00		GAMMALL_GS	2.0001E+00	L	08/27/2008 08:57	I
8228258	EU-154	15585-10-1	-1.95E+00	pCi/L	4.4E+00	4.4E+00	U	7.60E+00		GAMMALL_GS	2.0001E+00	L	08/27/2008 08:57	I
8228258	EU-155	14391-16-3	-4.67E-01	pCi/L	4.6E+00	4.6E+00	U	7.78E+00		GAMMALL_GS	2.0001E+00	L	08/27/2008 08:57	I
8228258	K-40	13966-00-2	-2.76E+01	pCi/L	4.8E+01	4.8E+01	U	9.79E+01		GAMMALL_GS	2.0001E+00	L	08/27/2008 08:57	I
8228258	RU-106	13967-48-1	-8.85E-01	pCi/L	1.5E+01	1.5E+01	U	2.51E+01		GAMMALL_GS	2.0001E+00	L	08/27/2008 08:57	I
8228258	SB-125	14234-35-6	-9.07E-01	pCi/L	4.1E+00	4.1E+00	U	6.92E+00		GAMMALL_GS	2.0001E+00	L	08/27/2008 08:57	I
8228262	I-129L	15046-84-1	1.88E+00	pCi/L	4.0E-01	4.0E-01	U	6.72E-01	96.2	I129LL_SEP_LEPS	3.8881E+00	L	09/03/2008 13:34	I
8228255	U-234	13966-29-5	5.96E+00	pCi/L	9.5E-01	1.4E+00		2.60E-01	96.6	UISO_PLATE_AEA	1.637E-01	L	08/25/2008 17:35	I
8228255	U-235	15117-96-1	3.41E-01	pCi/L	2.4E-01	2.5E-01		2.79E-01	96.6	UISO_PLATE_AEA	1.637E-01	L	08/25/2008 17:35	I
8228255	U-238	U-238	4.86E+00	pCi/L	8.6E-01	1.2E+00		2.39E-01	96.6	UISO_PLATE_AEA	1.637E-01	L	08/25/2008 17:35	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:
9KTLAM10	B1VLK6		MW6-SBB-A1	S08-006	W05475					07/31/2008 11:44

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228258	BE-7	13966-02-4	-4.58E+00	pCi/L	1.5E+01	1.5E+01	U	2.66E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:04	I
8228258	CO-60	10198-40-0	3.72E-01	pCi/L	1.5E+00	1.5E+00	U	2.90E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:04	I
8228258	CS-134	13967-70-9	1.70E+00	pCi/L	1.7E+00	1.7E+00	U	3.39E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:04	I
8228258	CS-137	10045-97-3	9.46E-01	pCi/L	1.5E+00	1.5E+00	U	2.86E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:04	I
8228258	EU-152	14683-23-9	1.68E+00	pCi/L	4.1E+00	4.1E+00	U	7.30E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:04	I
8228258	EU-154	15585-10-1	-5.29E+00	pCi/L	4.5E+00	4.5E+00	U	6.49E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:04	I
8228258	EU-155	14391-16-3	1.61E+00	pCi/L	3.0E+00	3.0E+00	U	5.35E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:04	I
8228258	K-40	13966-00-2	-2.86E+01	pCi/L	3.3E+01	3.3E+01	U	6.58E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:04	I
8228258	RU-106	13967-48-1	2.61E+00	pCi/L	1.5E+01	1.5E+01	U	2.63E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:04	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.

8228258	SB-125	14234-35-6	2.82E-01	pCi/L	3.8E+00	3.8E+00	U	6.84E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:04	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:
9KTP0610	B1WJF5		MW6-SBB-A1	W08-008	W05475					08/06/2008 10:38

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time		Act
8228258	BE-7	13966-02-4	-2.14E+00	pCi/L	2.0E+01	2.0E+01	U	3.41E+01		GAMMALL_GS	2.00E+00	L	08/28/2008	06:05	I
8228258	CO-60	10198-40-0	1.06E+00	pCi/L	2.1E+00	2.1E+00	U	3.99E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:05	I
8228258	CS-134	13967-70-9	1.82E-01	pCi/L	2.2E+00	2.2E+00	U	3.97E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:05	I
8228258	CS-137	10045-97-3	-5.57E-01	pCi/L	2.1E+00	2.1E+00	U	3.61E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:05	I
8228258	EU-152	14683-23-9	1.33E+00	pCi/L	5.5E+00	5.5E+00	U	9.60E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:05	I
8228258	EU-154	15585-10-1	-1.10E+00	pCi/L	5.5E+00	5.5E+00	U	9.84E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:05	I
8228258	EU-155	14391-16-3	-1.53E+00	pCi/L	3.7E+00	3.7E+00	U	6.23E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:05	I
8228258	K-40	13966-00-2	-1.52E+01	pCi/L	4.8E+01	4.8E+01	U	9.99E+01		GAMMALL_GS	2.00E+00	L	08/28/2008	06:05	I
8228258	RU-106	13967-48-1	-1.81E-01	pCi/L	1.9E+01	1.9E+01	U	3.29E+01		GAMMALL_GS	2.00E+00	L	08/28/2008	06:05	I
8228258	SB-125	14234-35-6	-2.92E+00	pCi/L	5.5E+00	5.5E+00	U	9.30E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:05	I
8228269	TC-99	14133-76-7	7.37E+02	pCi/L	1.5E+01	4.9E+01		9.81E+00	100.0	TC99_SEP_LSC	1.25E-01	L	09/04/2008	13:40	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:
9KTP0G10	B1VKX0		MW6-SBB-A1	I08-043	W05475					08/05/2008 15:18

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time		Act
8228273	C-14	14762-75-5	5.31E+00	pCi/L	3.6E+00	4.3E+00	U	8.33E+00	100.0	C14_LSC	2.00E-01	L	08/26/2008	16:48	I
8228258	BE-7	13966-02-4	7.17E+00	pCi/L	1.5E+01	1.5E+01	U	2.82E+01		GAMMALL_GS	2.00E+00	L	08/28/2008	06:04	I
8228258	CO-60	10198-40-0	1.56E+00	pCi/L	1.6E+00	1.6E+00	U	3.43E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:04	I
8228258	CS-134	13967-70-9	-7.13E-01	pCi/L	1.7E+00	1.7E+00	U	3.01E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:04	I
8228258	CS-137	10045-97-3	1.38E-01	pCi/L	1.8E+00	1.8E+00	U	3.20E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:04	I
8228258	EU-152	14683-23-9	-7.45E-01	pCi/L	4.3E+00	4.3E+00	U	7.48E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:04	I
8228258	EU-154	15585-10-1	1.84E+00	pCi/L	4.7E+00	4.7E+00	U	9.18E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:04	I
8228258	EU-155	14391-16-3	-6.69E-01	pCi/L	3.2E+00	3.2E+00	U	5.41E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:04	I
8228258	K-40	13966-00-2	2.35E+01	pCi/L	3.9E+01	3.9E+01	U	2.43E+01		GAMMALL_GS	2.00E+00	L	08/28/2008	06:04	I
8228258	RU-106	13967-48-1	8.22E+00	pCi/L	1.3E+01	1.3E+01	U	2.56E+01		GAMMALL_GS	2.00E+00	L	08/28/2008	06:04	I
8228258	SB-125	14234-35-6	-4.37E-01	pCi/L	3.8E+00	3.8E+00	U	6.62E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:04	I
8228262	I-129L	15046-84-1	9.98E-02	pCi/L	1.4E-01	1.4E-01	U	2.74E-01	96.2	I129LL_SEP_LEPS	3.8296E+00	L	09/03/2008	13:35	I
8228272	Se-79	15758-45-9	1.60E+01	pCi/L	8.3E+00	1.7E+01	U	1.88E+01	47.5	SE79_SEP_IE_LS	2.0076E-01	L	09/04/2008	18:03	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.

8228255	U-234	13966-29-5	1.12E+00	pCi/L	3.7E-01	4.1E-01		1.69E-01	94.1	UISO_PLATE_AEA	2.002E-01	L	08/25/2008	17:35	I
8228255	U-235	15117-96-1	2.39E-02	pCi/L	6.1E-02	6.1E-02	U	1.43E-01	94.1	UISO_PLATE_AEA	2.002E-01	L	08/25/2008	17:35	I
8228255	U-238	U-238	8.97E-01	pCi/L	3.3E-01	3.6E-01		2.20E-01	94.1	UISO_PLATE_AEA	2.002E-01	L	08/25/2008	17:35	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:
9KTP0G20	B1VKX0		MW6-SBB-A1	I08-043	W05475					08/05/2008 15:18

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8238307	NP-237	13994-20-2	0.00E+00	pCi/L	8.7E-02	8.7E-02	U	2.05E-01	96.5	NP237_LLE_PLAT	2.001E-01	L	09/02/2008 23:16	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:
9KTP0K10	B1VKX1		MW6-SBB-A1	I08-043	W05475					08/05/2008 12:00

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228273	C-14	14762-75-5	1.73E+00	pCi/L	3.5E+00	4.2E+00	U	8.33E+00	100.0	C14_LSC	2.00E-01	L	08/26/2008 18:14	I
8228258	BE-7	13966-02-4	2.26E+00	pCi/L	8.7E+00	8.7E+00	U	1.59E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	CO-60	10198-40-0	1.39E+00	pCi/L	1.3E+00	1.3E+00	U	2.64E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	CS-134	13967-70-9	-2.64E-01	pCi/L	1.1E+00	1.1E+00	U	1.94E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	CS-137	10045-97-3	8.07E-01	pCi/L	1.1E+00	1.1E+00	U	2.03E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	EU-152	14683-23-9	-7.51E-02	pCi/L	2.3E+00	2.3E+00	U	4.01E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	EU-154	15585-10-1	-9.06E-01	pCi/L	3.1E+00	3.1E+00	U	5.57E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	EU-155	14391-16-3	-3.46E-02	pCi/L	2.3E+00	2.3E+00	U	3.96E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	K-40	13966-00-2	-1.79E+01	pCi/L	2.0E+01	2.0E+01	U	4.03E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	RU-106	13967-48-1	-1.08E+00	pCi/L	8.2E+00	8.2E+00	U	1.46E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	SB-125	14234-35-6	-1.95E+00	pCi/L	2.4E+00	2.4E+00	U	3.89E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228262	I-129L	15046-84-1	4.94E-02	pCi/L	1.5E-01	1.5E-01	U	2.92E-01	94.6	I129LL_SEP_LEPS	3.7446E+00	L	09/03/2008 16:02	I
8228272	Se-79	15758-45-9	-9.92E+00	pCi/L	6.0E+00	1.2E+01	U	1.54E+01	58.4	SE79_SEP_IE_LS	1.9938E-01	L	09/04/2008 18:55	I
8228255	U-234	13966-29-5	1.08E-01	pCi/L	1.3E-01	1.3E-01	U	1.73E-01	81.8	UISO_PLATE_AEA	2.0248E-01	L	08/25/2008 17:36	I
8228255	U-235	15117-96-1	0.00E+00	pCi/L	7.4E-02	7.4E-02	U	1.73E-01	81.8	UISO_PLATE_AEA	2.0248E-01	L	08/25/2008 17:36	I
8228255	U-238	U-238	1.08E-01	pCi/L	1.3E-01	1.3E-01	U	1.73E-01	81.8	UISO_PLATE_AEA	2.0248E-01	L	08/25/2008 17:36	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:
9KTP0K20	B1VKX1		MW6-SBB-A1	I08-043	W05475					08/05/2008 12:00

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8238307	NP-237	13994-20-2	-2.11E-02	pCi/L	7.4E-02	7.4E-02	U	2.22E-01	99.6	NP237_LLE_PLAT	2.00E-01	L	09/02/2008 23:16	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.

9/10/2008 11:47:39 AM

TestAmerica Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **Version:** 05 **Rpt Nbr:** 39817 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.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:
9KTP1A10	B1WJJ9		MW6-SBB-A1	W08-008	W05475					08/06/2008 11:56

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228258	BE-7	13966-02-4	8.94E+00	pCi/L	1.6E+01	1.6E+01	U	2.97E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	CO-60	10198-40-0	6.99E+01	pCi/L	1.1E+01	1.1E+01		3.14E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	CS-134	13967-70-9	-1.12E+00	pCi/L	2.3E+00	2.3E+00	U	3.85E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	CS-137	10045-97-3	7.95E-01	pCi/L	1.9E+00	1.9E+00	U	3.50E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	EU-152	14683-23-9	1.91E+00	pCi/L	4.2E+00	4.2E+00	U	7.64E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	EU-154	15585-10-1	-2.52E-01	pCi/L	5.0E+00	5.0E+00	U	9.21E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	EU-155	14391-16-3	3.23E+00	pCi/L	3.4E+00	3.4E+00	U	6.21E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	K-40	13966-00-2	-1.82E+01	pCi/L	3.5E+01	3.5E+01	U	7.27E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	RU-106	13967-48-1	-1.56E+01	pCi/L	1.8E+01	1.8E+01	U	2.88E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	SB-125	14234-35-6	1.87E-01	pCi/L	4.2E+00	4.2E+00	U	7.37E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228269	TC-99	14133-76-7	2.33E+04	pCi/L	8.2E+01	1.4E+03		9.84E+00	100.0	TC99_SEP_LSC	1.251E-01	L	09/04/2008 15:45	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KTP5610	B1WJC2		MW6-SBB-A1	W08-008	W05475					08/06/2008 12:48

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228269	TC-99	14133-76-7	4.04E+01	pCi/L	5.4E+00	8.2E+00		9.81E+00	100.0	TC99_SEP_LSC	1.251E-01	L	09/04/2008 17:50	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:
9KTP6J10	B1WJD3		MW6-SBB-A1	W08-008	W05475					08/06/2008 11:15

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228258	BE-7	13966-02-4	-1.14E+01	pCi/L	1.2E+01	1.2E+01	U	1.93E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	CO-60	10198-40-0	7.65E-01	pCi/L	1.4E+00	1.4E+00	U	2.85E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	CS-134	13967-70-9	-2.26E-01	pCi/L	1.5E+00	1.5E+00	U	2.61E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	CS-137	10045-97-3	7.54E-01	pCi/L	1.3E+00	1.3E+00	U	2.54E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	EU-152	14683-23-9	-9.06E-01	pCi/L	3.5E+00	3.5E+00	U	5.89E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	EU-154	15585-10-1	1.26E-02	pCi/L	3.6E+00	3.6E+00	U	6.84E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	EU-155	14391-16-3	9.71E-02	pCi/L	2.5E+00	2.5E+00	U	4.41E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	K-40	13966-00-2	3.38E+01	pCi/L	2.1E+01	2.1E+01		2.83E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	RU-106	13967-48-1	1.50E-01	pCi/L	1.2E+01	1.2E+01	U	2.08E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	SB-125	14234-35-6	1.05E+00	pCi/L	3.2E+00	3.2E+00	U	5.86E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	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.

8228269	TC-99	14133-76-7	1.98E+02	pCi/L	8.7E+00	1.7E+01		9.85E+00	100.0	TC99_SEP_LSC	1.249E-01	L	09/04/2008	18:52	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KTP6T10	B1WJF1		MW6-SBB-A1	W08-008	W05475					08/06/2008 11:57

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228258	BE-7	13966-02-4	-5.74E+00	pCi/L	1.6E+01	1.6E+01	U	2.70E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	CO-60	10198-40-0	4.24E+01	pCi/L	9.8E+00	9.8E+00		3.90E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	CS-134	13967-70-9	9.91E-01	pCi/L	2.2E+00	2.2E+00	U	4.08E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	CS-137	10045-97-3	7.39E-01	pCi/L	2.0E+00	2.0E+00	U	3.62E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	EU-152	14683-23-9	1.49E+00	pCi/L	4.0E+00	4.0E+00	U	7.18E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	EU-154	15585-10-1	1.61E+00	pCi/L	5.9E+00	5.9E+00	U	1.10E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	EU-155	14391-16-3	-4.50E-01	pCi/L	2.6E+00	2.6E+00	U	4.54E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	K-40	13966-00-2	-3.71E+01	pCi/L	3.8E+01	3.8E+01	U	6.96E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	RU-106	13967-48-1	4.13E+00	pCi/L	1.7E+01	1.7E+01	U	3.04E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	I
8228258	SB-125	14234-35-6	8.01E-01	pCi/L	3.9E+00	3.9E+00	U	7.11E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:05	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:
9KTP6V10	B1WJH3		MW6-SBB-A1	W08-008	W05475					08/06/2008 10:02

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228258	BE-7	13966-02-4	7.01E+00	pCi/L	1.5E+01	1.5E+01	U	2.67E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:06	I
8228258	CO-60	10198-40-0	3.27E+01	pCi/L	6.1E+00	6.1E+00		2.96E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:06	I
8228258	CS-134	13967-70-9	7.92E-01	pCi/L	1.8E+00	1.8E+00	U	3.17E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:06	I
8228258	CS-137	10045-97-3	-2.55E-02	pCi/L	1.5E+00	1.5E+00	U	2.64E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:06	I
8228258	EU-152	14683-23-9	2.95E-01	pCi/L	4.1E+00	4.1E+00	U	7.05E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:06	I
8228258	EU-154	15585-10-1	3.29E+00	pCi/L	4.9E+00	4.9E+00	U	9.29E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:06	I
8228258	EU-155	14391-16-3	-1.05E-01	pCi/L	4.3E+00	4.3E+00	U	7.34E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:06	I
8228258	K-40	13966-00-2	2.19E+01	pCi/L	5.1E+01	5.1E+01	U	2.42E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:06	I
8228258	RU-106	13967-48-1	-3.55E+00	pCi/L	1.4E+01	1.4E+01	U	2.41E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 06:06	I
8228258	SB-125	14234-35-6	-3.59E+00	pCi/L	4.0E+00	4.0E+00	U	6.52E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 06:06	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:
9KTR2010	B1WH12		MW6-SBB-A1	S08-008	W05475					08/07/2008 12:52

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228258	BE-7	13966-02-4	9.02E+00	pCi/L	1.1E+01	1.1E+01	U	2.07E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 13:40	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.

TestAmerica Report

Lab Code: TARL

FormNbr: R FormatType: FEAD Version: 05 Rpt Nbr: 39817 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

8228258	CO-60	10198-40-0	4.40E+00	pCi/L	1.7E+00	1.7E+00	U	3.69E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	13:40	I
8228258	CS-134	13967-70-9	-2.00E-01	pCi/L	1.4E+00	1.4E+00	U	2.42E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	13:40	I
8228258	CS-137	10045-97-3	-1.21E+00	pCi/L	1.2E+00	1.2E+00	U	1.83E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	13:40	I
8228258	EU-152	14683-23-9	6.93E-01	pCi/L	3.5E+00	3.5E+00	U	6.10E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	13:40	I
8228258	EU-154	15585-10-1	2.35E+00	pCi/L	3.5E+00	3.5E+00	U	7.01E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	13:40	I
8228258	EU-155	14391-16-3	-3.36E-01	pCi/L	3.2E+00	3.2E+00	U	5.36E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	13:40	I
8228258	K-40	13966-00-2	3.01E+00	pCi/L	2.0E+01	2.0E+01	U	2.21E+01		GAMMALL_GS	2.00E+00	L	08/28/2008	13:40	I
8228258	RU-106	13967-48-1	3.18E+00	pCi/L	1.2E+01	1.2E+01	U	2.17E+01		GAMMALL_GS	2.00E+00	L	08/28/2008	13:40	I
8228258	SB-125	14234-35-6	-3.59E+00	pCi/L	3.3E+00	3.3E+00	U	5.22E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	13:40	I
8228262	I-129L	15046-84-1	5.70E-01	pCi/L	2.1E-01	2.1E-01	U	4.24E-01	96.5	I129LL_SEP_LEPS	3.8901E+00	L	09/03/2008	17:48	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:
9KTR2V10	B1WFY8		MW6-SBB-A1	S08-008	W05475					08/07/2008 08:54

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time		Act
8228273	C-14	14762-75-5	4.34E+01	pCi/L	4.7E+00	5.8E+00		8.33E+00	100.0	C14_LSC	2.00E-01	L	08/26/2008	18:56	I
8228258	BE-7	13966-02-4	-8.34E-01	pCi/L	1.3E+01	1.3E+01	U	2.28E+01		GAMMALL_GS	2.00E+00	L	08/28/2008	06:24	I
8228258	CO-60	10198-40-0	4.65E+01	pCi/L	7.1E+00	7.1E+00		2.24E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:24	I
8228258	CS-134	13967-70-9	8.31E-01	pCi/L	1.6E+00	1.6E+00	U	2.90E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:24	I
8228258	CS-137	10045-97-3	7.08E-01	pCi/L	1.5E+00	1.5E+00	U	2.64E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:24	I
8228258	EU-152	14683-23-9	-7.21E-01	pCi/L	3.8E+00	3.8E+00	U	6.49E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:24	I
8228258	EU-154	15585-10-1	-3.82E+00	pCi/L	3.8E+00	3.8E+00	U	6.05E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:24	I
8228258	EU-155	14391-16-3	-1.36E+00	pCi/L	3.7E+00	3.7E+00	U	6.18E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:24	I
8228258	K-40	13966-00-2	2.94E+01	pCi/L	2.2E+01	2.2E+01		1.79E+01		GAMMALL_GS	2.00E+00	L	08/28/2008	06:24	I
8228258	RU-106	13967-48-1	-3.08E+00	pCi/L	1.3E+01	1.3E+01	U	2.24E+01		GAMMALL_GS	2.00E+00	L	08/28/2008	06:24	I
8228258	SB-125	14234-35-6	-1.38E-01	pCi/L	3.4E+00	3.4E+00	U	5.90E+00		GAMMALL_GS	2.00E+00	L	08/28/2008	06:24	I
8228262	I-129L	15046-84-1	4.15E+00	pCi/L	6.5E-01	6.5E-01		3.41E-01	94.9	I129LL_SEP_LEPS	3.8638E+00	L	09/03/2008	16:03	I
8228257	TH-228	14274-82-9	-1.29E-02	pCi/L	6.7E-02	6.7E-02	U	1.82E-01	98.8	THISO_IE_PRECIP	2.0053E-01	L	08/27/2008	18:40	I
8228257	TH-230	14269-63-7	2.52E-02	pCi/L	6.4E-02	6.4E-02	U	1.51E-01	98.8	THISO_IE_PRECIP	2.0053E-01	L	08/27/2008	18:40	I
8228257	TH-232	~~7440-29-1~~ TH-232 SES 9/10/08	-6.30E-03	pCi/L	6.4E-02	6.4E-02	U	1.51E-01	98.8	THISO_IE_PRECIP	2.0053E-01	L	08/27/2008	18:40	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:
9KTR2V20	B1WFY8		MW6-SBB-A1	S08-008	W05475					08/07/2008 08:54

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.

9/10/2008 11:47:39 AM

TestAmerica Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **Version:** 05 **Rpt Nbr:** 39817 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8238307	NP-237	13994-20-2	1.55E-01	pCi/L	1.8E-01	1.8E-01	U	2.47E-01	90.9	NP237_LLE_PLAT	1.999E-01	L	09/03/2008 00:01	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:
9KTR2W10	B1WH10		MW6-SBB-A1	S08-008	W05475					08/07/2008 11:42

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8228273	C-14	14762-75-5	1.35E+01	pCi/L	3.9E+00	4.7E+00		8.33E+00	100.0	C14_LSC	2.00E-01	L	08/26/2008 19:39	I
8228258	BE-7	13966-02-4	-3.17E-01	pCi/L	1.3E+01	1.3E+01	U	2.20E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 09:48	I
8228258	CO-60	10198-40-0	8.32E-01	pCi/L	1.4E+00	1.4E+00	U	2.80E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 09:48	I
8228258	CS-134	13967-70-9	1.23E+00	pCi/L	1.4E+00	1.4E+00	U	2.71E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 09:48	I
8228258	CS-137	10045-97-3	7.00E-01	pCi/L	1.3E+00	1.3E+00	U	2.43E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 09:48	I
8228258	EU-152	14683-23-9	2.78E+00	pCi/L	3.3E+00	3.3E+00	U	5.99E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 09:48	I
8228258	EU-154	15585-10-1	-4.41E-01	pCi/L	3.3E+00	3.3E+00	U	6.05E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 09:48	I
8228258	EU-155	14391-16-3	-1.72E+00	pCi/L	3.3E+00	3.3E+00	U	5.39E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 09:48	I
8228258	K-40	13966-00-2	8.44E+00	pCi/L	2.1E+01	2.1E+01	U	2.16E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 09:48	I
8228258	RU-106	13967-48-1	-5.93E+00	pCi/L	1.2E+01	1.2E+01	U	2.01E+01		GAMMALL_GS	2.00E+00	L	08/28/2008 09:48	I
8228258	SB-125	14234-35-6	-1.65E+00	pCi/L	3.1E+00	3.1E+00	U	5.24E+00		GAMMALL_GS	2.00E+00	L	08/28/2008 09:48	I
8228262	I-129L	15046-84-1	5.63E+00	pCi/L	7.6E-01	7.6E-01		4.04E-01	94.9	I129LL_SEP_LEPS	3.8638E+00	L	09/03/2008 17:47	I
8228257	TH-228	14274-82-9	1.03E-01	pCi/L	1.5E-01	1.5E-01	U	2.71E-01	94.0	THISO_IE_PRECIP	2.0079E-01	L	08/27/2008 18:38	I
8228257	TH-230	14269-63-7	4.21E-02	pCi/L	8.6E-02	8.6E-02	U	2.02E-01	94.0	THISO_IE_PRECIP	2.0079E-01	L	08/27/2008 18:38	I
8228257	TH-232	~~7440-29-1~~ TH-232 SKS 9/10/08	0.00E+00	pCi/L	8.6E-02	8.6E-02	U	2.02E-01	94.0	THISO_IE_PRECIP	2.0079E-01	L	08/27/2008 18:38	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:
9KTR2W20	B1WH10		MW6-SBB-A1	S08-008	W05475					08/07/2008 11:42

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8238307	NP-237	13994-20-2	-1.51E-02	pCi/L	1.5E-01	1.5E-01	U	3.62E-01	59.1	NP237_LLE_PLAT	2.00E-01	L	09/03/2008 00:01	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.

Wednesday, September 10, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT7201AB	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 07/31/2008 14:39
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 08/04/2008

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
8228271	SR-90	4.92E-02	pCi/L	3.6E-01	U	7.31E-01	77.5		SRISO_SEP_P	1.00E+00	08/31/2008				D
BLK	10098-97-2			3.6E-01						L	06:10				

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.

Wednesday, September 10, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT7231AB	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 08/05/2008 12:00
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 08/06/2008

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
8228272	Se-79	-1.26E+01	pCi/L	1.1E+01	U	1.55E+01	58.0		SE79_SEP_IE	1.9944E-01	09/04/2008				D
BLK	15758-45-9			6.0E+00						L	20:41				

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.

Wednesday, September 10, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT7241AB	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 08/05/2008 15:18
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 08/06/2008

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
8228273	C-14	3.64E+00	pCi/L	4.3E+00	U	8.33E+00	100.0		C14_LSC	2.00E-01	08/26/2008				D
BLK	14762-75-5			3.6E+00						L	15:23				

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

Wednesday, September 10, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT72L1AB	**Sdg/Rept Nbr:**	W05475 39817	**Collection Date:**	07/31/2008 14:39
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BLK	**Received Date:**	08/04/2008

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
8228255	U-234	6.06E-02	pCi/L	9.7E-02	U	1.61E-01	90.7		UISO_PLATE_	1.9941E-01	08/25/2008				D
BLK	13966-29-5			9.6E-02						L	17:36				
8228255	U-235	0.00E+00	pCi/L	6.9E-02	U	1.61E-01	90.7		UISO_PLATE_	1.9941E-01	08/25/2008				D
BLK	15117-96-1			6.9E-02						L	17:36				
8228255	U-238	-6.73E-03	pCi/L	6.9E-02	U	1.61E-01	90.7		UISO_PLATE_	1.9941E-01	08/25/2008				D
BLK	U-238			6.9E-02						L	17:36				

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.

Wednesday, September 10, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT72M2AB	**Sdg/Rept Nbr:**	W05475 39817	**Collection Date:**	08/03/2008 08:48
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BLK	**Received Date:**	08/04/2008

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
8238307	NP-237	0.00E+00	pCi/L	1.1E-01	U	2.57E-01	93.5		NP237_LLE_P	2.001E-01	09/03/2008				D
BLK	13994-20-2			1.1E-01						L	00:01				

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

Wednesday, September 10, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT72P1AB	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 08/07/2008 08:54
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 08/07/2008

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
8228257	TH-228	5.83E-02	pCi/L	1.2E-01	U	2.79E-01	88.4		THISO_IE_PR	1.9997E-01	08/27/2008				D
BLK	14274-82-9			1.2E-01						L	18:40				
8228257	TH-230	5.71E-02	pCi/L	1.2E-01	U	2.74E-01	88.4		THISO_IE_PR	1.9997E-01	08/27/2008				D
BLK	14269-63-7			1.2E-01						L	18:40				
8228257	TH-232	-1.14E-02	pCi/L	1.2E-01	U	2.74E-01	88.4		THISO_IE_PR	1.9997E-01	08/27/2008				D
BLK	~~7440-29-1~~ TH-232			1.2E-01						L	18:40				

SKS 9/10/08

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.

Wednesday, September 10, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT72Q1AB	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 07/31/2008 14:39
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 08/04/2008

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
8228258	BE-7	-2.45E+00	pCi/L	1.3E+01	U	2.19E+01			GAMMALL_GS	2.00E+00	08/28/2008				D
BLK	13966-02-4			1.3E+01						L	17:26				
8228258	CO-60	1.83E-01	pCi/L	1.4E+00	U	2.58E+00			GAMMALL_GS	2.00E+00	08/28/2008				D
BLK	10198-40-0			1.4E+00						L	17:26				
8228258	CS-134	4.01E-01	pCi/L	1.3E+00	U	2.43E+00			GAMMALL_GS	2.00E+00	08/28/2008				D
BLK	13967-70-9			1.3E+00						L	17:26				
8228258	CS-137	-3.39E-01	pCi/L	1.3E+00	U	2.17E+00			GAMMALL_GS	2.00E+00	08/28/2008				D
BLK	10045-97-3			1.3E+00						L	17:26				
8228258	EU-152	8.83E-01	pCi/L	3.3E+00	U	5.78E+00			GAMMALL_GS	2.00E+00	08/28/2008				D
BLK	14683-23-9			3.3E+00						L	17:26				
8228258	EU-154	7.06E-01	pCi/L	3.8E+00	U	7.14E+00			GAMMALL_GS	2.00E+00	08/28/2008				D
BLK	15585-10-1			3.8E+00						L	17:26				
8228258	EU-155	-1.88E+00	pCi/L	3.0E+00	U	4.97E+00			GAMMALL_GS	2.00E+00	08/28/2008				D
BLK	14391-16-3			3.0E+00						L	17:26				
8228258	K-40	-1.16E+01	pCi/L	1.8E+01	U	3.37E+01			GAMMALL_GS	2.00E+00	08/28/2008				D
BLK	13966-00-2			1.8E+01						L	17:26				
8228258	RU-106	-6.23E+00	pCi/L	1.2E+01	U	2.01E+01			GAMMALL_GS	2.00E+00	08/28/2008				D
BLK	13967-48-1			1.2E+01						L	17:26				
8228258	SB-125	2.78E+00	pCi/L	3.3E+00	U	6.06E+00			GAMMALL_GS	2.00E+00	08/28/2008				D
BLK	14234-35-6			3.3E+00						L	17:26				

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.

Wednesday, September 10, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT72T1AB	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 08/10/2008 12:32
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 08/11/2008

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
8228262	I-129L	5.02E-02	pCi/L	1.2E-01	U	2.36E-01	96.8		I129LL_SEP_L	3.9885E+00	09/03/2008				D
BLK	15046-84-1			1.2E-01						L	22:44				

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.

Wednesday, September 10, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT72W1AB	**Sdg/Rept Nbr:**	W05475 39817	**Collection Date:**	08/06/2008 10:38
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BLK	**Received Date:**	08/06/2008

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
8228269	TC-99	1.26E+00	pCi/L	6.0E+00	U	9.84E+00	100.0		TC99_SEP_LS	1.25E-01	09/04/2008				D
BLK	14133-76-7			4.2E+00						L	19:54				

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.

Wednesday, September 10, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT7201CS	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 07/31/2008 14:39
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 08/04/2008

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
8228271	SR-90	1.44E+01	pCi/L	2.2E+00		8.10E-01	87.0	1.40E+01	SRISO_SEP_P	1.0001E+00	08/31/2008			70	D
BS	10098-97-2			7.7E-01				102.9		L	06:10			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.

Wednesday, September 10, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT7241CS	**Sdg/Rept Nbr:**	W05475 39817	**Collection Date:**	08/05/2008 15:18
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BS	**Received Date:**	08/06/2008

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
8228273	C-14	4.72E+01	pCi/L	6.0E+00		8.33E+00	100.0	4.75E+01	C14_LSC	2.00E-01	08/26/2008			70	D
BS	14762-75-5			4.8E+00				99.5		L	16:06			130	

TestAmerica

rptFeadRadEdd v3.68

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

Wednesday, September 10, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT72L1CS	**Sdg/Rept Nbr:**	W05475 39817	**Collection Date:**	07/31/2008 14:39
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BS	**Received Date:**	08/04/2008

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
8228255	U-234	8.18E+00	pCi/L	1.7E+00		1.65E-01	82.5	8.55E+00	UISO_PLATE_	2.0125E-01	08/25/2008			75	D
BS	13966-29-5			1.1E+00				95.6		L	17:36			125	
8228255	U-238	8.52E+00	pCi/L	1.8E+00		1.65E-01	82.5	8.96E+00	UISO_PLATE_	2.0125E-01	08/25/2008			75	D
BS	U-238			1.1E+00				95.1		L	17:36			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.

Wednesday, September 10, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id: KT72M2CS **Sdg/Rept Nbr:** W05475 39817 **Collection Date:** 08/03/2008 08:48

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 08/04/2008

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
8238307	NP-237	1.02E+01	pCi/L	8.3E+00		2.05E-01	92.8	9.40E+00	NP237_LLE_P	2.00E-01	09/03/2008			75	D
BS	13994-20-2			1.3E+00				108.7		L	00:01			125	

SKS 9/10/09

TestAmerica
rptFeadRadEdd v3.68

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

Wednesday, September 10, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT72P1CS	**Sdg/Rept Nbr:**	W05475 39817	**Collection Date:**	08/07/2008 08:54
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BS	**Received Date:**	08/07/2008

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
8228257	TH-230	1.18E+01	pCi/L	2.5E+00		2.74E-01	92.7	1.17E+01	THISO_IE_PR	1.9969E-01	08/27/2008			70	D
BS	14269-63-7			1.6E+00				101.1		L	18:40			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.

Wednesday, September 10, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT72Q1CS	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 07/31/2008 14:39
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 08/04/2008

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
8228258	CO-60	4.37E+01	pCi/L	7.0E+00		2.43E+00		3.82E+01	GAMMALL_GS	2.00E+00	08/28/2008			75	D
BS	10198-40-0			7.0E+00				114.5		L	22:37			125	
8228258	CS-137	5.39E+01	pCi/L	8.4E+00		2.89E+00		4.96E+01	GAMMALL_GS	2.00E+00	08/28/2008			70	D
BS	10045-97-3			8.4E+00				108.6		L	22:37			130	
8228258	EU-152	8.00E+01	pCi/L	1.4E+01		8.01E+00		7.64E+01	GAMMALL_GS	2.00E+00	08/28/2008			70	D
BS	14683-23-9			1.4E+01				104.7		L	22:37			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.

Wednesday, September 10, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id: KT72T1CS **Sdg/Rept Nbr:** W05475 39817 **Collection Date:** 08/10/2008 12:32

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 08/11/2008

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
8228262	I-129L	1.06E+01	pCi/L	1.3E+00		3.34E-01	100.8	9.81E+00	I129LL_SEP_L	3.9998E+00	09/03/2008			70	D
BS	15046-84-1			1.3E+00				108.0		L	23:10			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.

Wednesday, September 10, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT72W1CS	**Sdg/Rept Nbr:**	W05475 39817	**Collection Date:**	08/06/2008 10:38
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BS	**Received Date:**	08/06/2008

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
8228269	TC-99	5.15E+02	pCi/L	3.6E+01		9.82E+00	100.0	5.59E+02	TC99_SEP_LS	1.25E-01	09/04/2008			70	D
BS	14133-76-7			1.3E+01				92.2		L	20:57			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.

Wednesday, September 10, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KT0CN1CR	**Sdg/Rept Nbr:**	W05475 39817	**Collection Date:**	08/10/2008 12:32
Client Id:	B1WDM2	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	DUP	**Received Date:**	08/11/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-053	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
8228262	I-129L	-5.26E-02	pCi/L	1.2E-01	U	2.09E-01	97.6		I129LL_SEP_L	3.8973E+00	09/03/2008	0.0	0.9		D
DUP	15046-84-1	2.37E-02		1.2E-01						L	20:05	20.0	3		

U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide.
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B Qual- Analyte was found in the associated laboratory blank above the MDC.

Wednesday, September 10, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KTK981ER	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 07/31/2008 14:39
Client Id:	B1VLT1	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 08/04/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
S08-006	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
8228255	U-234	9.25E+00	pCi/L	2.3E+00		4.77E-01	90.3		UISO_PLATE_	9.023E-02	08/25/2008	8.3	0.5		D
DUP	13966-29-5	1.00E+01		1.7E+00						L	17:35	20.0	3		
8228255	U-235	3.78E-01	pCi/L	3.4E-01		3.62E-01	90.3		UISO_PLATE_	9.023E-02	08/25/2008	2.4	0.		D
DUP	15117-96-1	3.87E-01		3.4E-01						L	17:35	20.0	3		
8228255	U-238	9.07E+00	pCi/L	2.2E+00		5.56E-01	90.3		UISO_PLATE_	9.023E-02	08/25/2008	5.7	0.3		D
DUP	U-238	9.60E+00		1.7E+00						L	17:35	20.0	3		

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B Qual- Analyte was found in the associated laboratory blank above the MDC.

Wednesday, September 10, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KTK991DR	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 07/31/2008 14:39
Client Id:	B1VM49	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 08/04/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
S08-006	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
8228271	SR-90	3.39E+03	pCi/L	5.0E+02		1.40E+00	83.2		SRISO_SEP_P	1.00E+00	08/31/2008	9.9	1.		D
DUP	10098-97-2	3.74E+03		2.1E+01						L	05:32	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.

Wednesday, September 10, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KTLAC1ER	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 07/31/2008 14:39
Client Id:	B1VLT2	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 08/04/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
S08-006	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
8228258	BE-7	3.23E+01	pCi/L	5.9E+01	U	1.00E+02			GAMMALL_GS	1.90E+00	08/27/2008	0.0	2.3		D
DUP	13966-02-4	-6.27E+01		5.9E+01						L	08:56	20.0	3		
8228258	CO-60	2.68E-03	pCi/L	1.9E+00	U	3.50E+00			GAMMALL_GS	1.90E+00	08/27/2008	198.9	0.7		D
DUP	10198-40-0	9.58E-01		1.9E+00						L	08:56	20.0	3		
8228258	CS-134	-1.16E+00	pCi/L	2.0E+00	U	3.36E+00			GAMMALL_GS	1.90E+00	08/27/2008	0.0	1.		D
DUP	13967-70-9	2.07E-01		2.0E+00						L	08:56	20.0	3		
8228258	CS-137	1.59E+03	pCi/L	2.0E+02		5.00E+00			GAMMALL_GS	1.90E+00	08/27/2008	2.4	0.3		D
DUP	10045-97-3	1.62E+03		2.0E+02						L	08:56	20.0	3		
8228258	EU-152	-2.96E-01	pCi/L	1.1E+01	U	1.81E+01			GAMMALL_GS	1.90E+00	08/27/2008	0.0	1.		D
DUP	14683-23-9	-8.07E+00		1.1E+01						L	08:56	20.0	3		
8228258	EU-154	9.27E-01	pCi/L	5.2E+00	U	9.79E+00			GAMMALL_GS	1.90E+00	08/27/2008	205.9	0.3		D
DUP	15585-10-1	-1.36E-02		5.2E+00						L	08:56	20.0	3		
8228258	EU-155	2.02E+00	pCi/L	6.2E+00	U	1.08E+01			GAMMALL_GS	1.90E+00	08/27/2008	111.7	0.3		D
DUP	14391-16-3	5.73E-01		6.2E+00						L	08:56	20.0	3		
8228258	K-40	1.22E+00	pCi/L	4.0E+01	U	7.91E+01			GAMMALL_GS	1.90E+00	08/27/2008	171.3	0.5		D
DUP	13966-00-2	1.58E+01		4.0E+01						L	08:56	20.0	3		
8228258	RU-106	-6.80E+00	pCi/L	2.6E+01	U	4.45E+01			GAMMALL_GS	1.90E+00	08/27/2008	334.3	1.8		D
DUP	13967-48-1	2.71E+01		2.6E+01						L	08:56	20.0	3		
8228258	SB-125	9.10E+00	pCi/L	1.3E+01	U	2.26E+01			GAMMALL_GS	1.90E+00	08/27/2008	196.6	1.		D
DUP	14234-35-6	7.75E-02		1.3E+01						L	08:56	20.0	3		

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

Wednesday, September 10, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KTLAH2CR	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 08/03/2008 08:48
Client Id:	B1VLF3	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 08/04/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
S08-006	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
8238307	NP-237	0.00E+00	pCi/L	1.3E-01	U	3.04E-01	67.9		NP237_LLE_P	2.00E-01	09/02/2008	0.0	0.		D
DUP	13994-20-2	0.00E+00		1.3E-01						L	23:15	20.0	3		

U Qual - Analyzed for, but the result is less than the Mdc or gamma scan did not identify the nuclide.
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B Qual- Analyte was found in the associated laboratory blank above the MDC.

Wednesday, September 10, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KTP061DR	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 08/06/2008 10:38
Client Id:	B1WJF5	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 08/06/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W08-008	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
8228269	TC-99	7.41E+02	pCi/L	5.0E+01		9.84E+00	100.0		TC99_SEP_LS	1.25E-01	09/04/2008	.6	0.1		D
DUP	14133-76-7	7.37E+02		1.5E+01						L	14:42	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.

Wednesday, September 10, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id: KTP0G1HR
Client Id: B1VKX0
Moisture/Solids%*:

Sdg/Rept Nbr: W05475 39817
Matrix: WATER WATER
QC Type: DUP

Collection Date: 08/05/2008 15:18
Sample On Date:
Received Date: 08/06/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-043	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
8228273	C-14	5.00E+00	pCi/L	4.3E+00	U	8.33E+00	100.0		C14_LSC	2.00E-01	08/26/2008	6.0	0.1		D
DUP	14762-75-5	5.31E+00		3.6E+00						L	17:31	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.

Wednesday, September 10, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KTP0K1HR	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 08/05/2008 12:00
Client Id:	B1VKX1	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 08/06/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-043	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
8228272	Se-79	-8.60E+00	pCi/L	1.2E+01	U	1.59E+01	56.5		SE79_SEP_IE	1.9923E-01	09/04/2008	0.0	0.2		D
DUP	15758-45-9	-9.92E+00		6.3E+00						L	19:48	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.

Wednesday, September 10, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KTR2V1GR	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 08/07/2008 08:54
Client Id:	B1WFY8	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 08/07/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
S08-008	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
8228257	TH-228	-6.76E-03	pCi/L	6.9E-02	U	1.62E-01	94.8		THISO_IE_PR	2.019E-01	08/27/2008	0.0	0.1		D
DUP	14274-82-9	-1.29E-02		6.9E-02						L	18:39	20.0	3		
8228257	TH-230	3.31E-02	pCi/L	6.8E-02	U	1.59E-01	94.8		THISO_IE_PR	2.019E-01	08/27/2008	27.2	0.2		D
DUP	14269-63-7	2.52E-02		6.8E-02						L	18:39	20.0	3		
8228257	TH-232	0.00E+00	pCi/L	6.8E-02	U	1.59E-01	94.8		THISO_IE_PR	2.019E-01	08/27/2008	0.0	0.1		D
DUP	~~7440-29-1~~ TH-232	-6.30E-03		6.8E-02						L	18:39	20.0	3		

SKS9/10/08 SKS9/10/08

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.

Wednesday, September 10, 2008

TestAmerica Qc Matrix Spike Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05475.Edd, h:\Reportdb\edd\FeadIV\Rad\39817.Edd

Lab Sample Id:	KTP1A1DW	**Sdg/Rept Nbr:**	W05475	39817	**Collection Date:** 08/06/2008 11:56
Client Id:	B1WJJ9	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	MS		**Received Date:** 08/06/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W08-008	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
8228269	TC-99	3.53E+03	pCi/L	2.1E+03		9.82E+00	100.0	3.60E+03	TC99_SEP_LS	1.25E-01	09/04/2008			60	D
MS	14133-76-7			8.8E+01				98.2		L	16:47			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.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TA Richland
Hexavalent Chromium - Water

Analyst:	L. Dinh	**Calibration Curve Information**				**SOP Information**		**BATCH #**	8219209
Start Date:	8/5/2008		**Amount**	**Conc.(mg/L)**	**ABS.**	RL-WC-003		**SDG #**	W05475
Start Time:		**Blank**	0.000	0.000	0.000	Revision 0		**Matrix**	Water
End Date:	8/5/2008	**Std. 1**	0.100	0.050	0.100				
End Time		**Std. 2**	0.500	0.250	0.478			**Instrument Information**	
		Std. 3	0.750	0.375	0.708	**MDL (mg/L)**	**0.002**	Instrument:	Hach DR2010
Analyst Signature:		**Std. 4**	1.500	0.750	1.399			Wavelength:	540
		Std 5	2.000	1.000	1.858			**R Squared**	**0.99995**
Date:	08/06/08	**Standard Volume (mL):**			100.000			**Slope:**	**1.85417**
		Date of Curve:			8/5/2008			**Intercept:**	**0.00777**

		Calibration Information:	**ICV Information:**		**LCS Information:**		**Matrix Spike Information:**	
Dilution ID #		Cr-08-00139	Cr-08-00140		Cr-08-00139		Cr-08-00139	
Prep Date:		08/05/08	08/05/08		08/05/08		08/05/08	
Concentration (mg/L)		50	50		50		50	
Expiration Date:		08/06/08	08/06/08		08/06/08		08/06/08	
Pipettor(s)		70,190	190		190		190	
Volume Used (	**Expected Value**		1.000	0.50000	1.00	0.50000	0.50	0.26316

Expected values are only amounts added in mg and not final concentrations

Sample ID	Client ID	Type	Sample Volume (mL)	Sample ABS.	Blank ABS.	Corrected ABS.	Dilution Factor	Curve Conc. (mg/L)	Final Conc. (mg/L)	% Rec.
n/a	n/a	**ICV**	100.000	0.937	0.000	0.937	1	0.5012	0.501	100.23%
n/a	n/a	**ICB**	100.000	0.000	0.000	0.000	1	<MDL	<MDL	
KTNEC1AA	n/a	**Prep Blank**	100.000	0.002		0.002	1	-0.0031	<MDL	
KTNEC1AC	n/a	**LCS**	100.000	0.940		0.940	1	0.5028	0.503	100.55%
KTMM01AA	B1TW31'	**Sample**	100.000	0.113		0.113	1	0.0568	0.057	
KTMM01AC-S	B1TW31'-MS	**MS**	100.000	0.609		0.609	1	0.3243	~~0.324~~ 0.267	101.65%
KTMM01AD-D	B1TW31'-MSD	**MSD**	100.000	0.607		0.607	1	0.3232	~~0.323~~ 0.266	101.24%
KTMM01AE-X	B1TW31'-DUP	**Duplicate**	100.000	0.111		0.111	1	0.0557	0.056	SKS 8/28/08
			100.000				1			
			100.000				1			
			100.000				1			
			100.000				1			
n/a	n/a	**CCV**	100.000	0.936		0.936	1	0.5006	0.501	100.12%
n/a	n/a	**CCB**	100.000	0.001		0.001	1	-0.0037	<MDL	
			100.000				1			
			100.000				1			
			100.000				1			
			100.000				1			
			100.000				1			

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TA Richland
Hexavalent Chromium - Water

Analyst:	L. Dinh	**Calibration Curve Information**				**SOP Information**		**BATCH #**	8219212
Start Date:	8/5/2008		**Amount**	**Conc.(mg/L)**	**ABS.**	RL-WC-003		**SDG #**	W05475
Start Time:		**Blank**	0.000	0.000	0.000	Revision 0		**Matrix**	Water
End Date:	8/5/2008	**Std. 1**	0.100	0.050	0.100				
End Time		**Std. 2**	0.500	0.250	0.478			**Instrument Information**	
		Std. 3	0.750	0.375	0.708	**MDL (mg/L)**	**0.002**	Instrument:	Hach DR2010
Analyst Signature:	[signature]	**Std. 4**	1.500	0.750	1.399			Wavelength:	540
		Std 5	2.000	1.000	1.858			**R Squared**	0.99995
Date:	8/6/08	**Standard Volume (mL):**			100.000			**Slope:**	1.85417
		Date of Curve:			8/5/2008			**Intercept:**	0.00777

		Calibration Information:	**ICV Information:**		**LCS Information:**		**Matrix Spike Information:**	
Dilution ID #		Cr-08-00139	Cr-08-00140		Cr-08-00139		Cr-08-00139	
Prep Date:		08/05/08	08/05/08		08/05/08		08/05/08	
Concentration (mg/L)		50	50		50		50	
Expiration Date:		08/06/08	08/06/08		08/06/08		08/06/08	
Pipettor(s)		70,190	190		190		190	
Volume Used	**Expected Value**		1.000	0.50000	1.00	0.50000	0.50	0.26316

Expected values are only amounts added in mg and not final concentrations

Sample ID	Client ID	Type	Sample Volume (mL)	Sample ABS.	Blank ABS.	Corrected ABS.	Dilution Factor	Curve Conc. (mg/L)	Final Conc. (mg/L)	% Rec.
n/a	n/a	**ICV**	100.000	0.936	0.000	0.936	1	0.5006	0.501	100.12%
n/a	n/a	**ICB**	100.000	0.000	0.000	0.000	1	<MDL	<MDL	
KTNEH1AA	n/a	**Prep Blank**	100.000	0.001		0.001	1	-0.0037	<MDL	
KTNEH1AC	n/a	**LCS**	100.000	0.936		0.936	1	0.5006	0.501	100.12%
KTMMK1AA	B1W1N0'	**Sample**	100.000	0.067		0.067	1	0.0319	0.032	
KTMMK1AC-S	B1W1N0'-MS	**MS**	100.000	0.569		0.569	1	0.3027	~~0.303~~ 0.271	102.88%
KTMMK1AD-D	B1W1N0'-MSD	**MSD**	100.000	0.563		0.563	1	0.2994	~~0.299~~ 0.261	101.65%
KTMMK1AE-X	B1W1N0'-DUP	**Duplicate**	100.000	0.071		0.071	1	0.0341	0.034	SKS 8/26/08
			100.000				1			
			100.000				1			
			100.000				1			
			100.000				1			
n/a	n/a	**CCV**	100.000	0.938		0.938	1	0.5017	0.502	100.34%
n/a	n/a	**CCB**	100.000	0.004		0.004	1	-0.0020	<MDL	
			100.000				1			
			100.000				1			
			100.000				1			
			100.000				1			
			100.000				1			

TESTAMERICA LABORATORIES, INC. 47

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

8/28/2008 4:03:56 PM

Lot No., Due Date: J8H070330; 09/10/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8228257; RTHISO Thiso by ALP

SDG, Matrix: W05475; WATER

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

6.0 Comments on any No response:

First Level Review Lisa Anderson **Date** 8/28/08

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8228257

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

Comments on any "No" response: _____

Second Level Review: Erika Ford Date: 9/4/8

LS-038B, Rev. 10, 9/07

TestAmerica

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

9/8/2008 1:01:18 PM

Lot No., Due Date: J8H040186,J8H060299; 09/10/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8228255; RUISO Ulso by ALP

SDG, Matrix: W05475; WATER

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

6.0 Comments on any No response:
Please see NCM # 10-12955

First Level Review John Norton **Date** 9-8-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8228255

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

Comments on any "No" response: Sample Showed peaks of interest

See- NCM

Second Level Review: [signature] Date: 09-08-08

Clouseau
Nonconformance Memo

TestAmerica

NCM #:	10-12955		
NCM Initiated By:	John Norton	Classification:	**Anomaly**
Date Opened:	09/08/2008	Status:	**GLREVIEW**
Date Closed:		Production Area:	Environmental - Sep
		Tests:	None
		Lot #'s (Sample #'s):	J8H040186 (1),
		QC Batches:	None.,
Nonconformance:	Other (describe in detail)		
Subcategory:	Other (explanation required)		

Problem Description / Root Cause

Name	Date	Description
John Norton	09/08/2008	The spectrum from this sample showed unexpected peaks (possibly plutonium) present near a region of interest.

Corrective Action

Name	Date	Corrective Action
John Norton	09/08/2008	The ED disk was stripped and the sample was put through another column and then redeposited on the disk for a recount, the peak mentioned above has been removed.

Client Notification Summary

Client	Project Manager	Notified	Response	How Notified	Note	Response	Response Note

Quality Assurance Verification

Verified By	Due Date	Status	Notes
		This section not yet completed by QA.	

Approval History

Date Approved	Approved By	Position

Date Printed: 9/8/2008

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

9/5/2008 2:51:49 PM

Lot No., Due Date: J8H040186,J8H060299,J8H070330; 09/10/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8238307; RNP237 Np-237 w/tracer

SDG, Matrix: W05475; WATER

1.0 COC

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

2.0 QC Batch

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

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

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

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

3.0 QC & Samples

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

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

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

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

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

4.0 Raw Data

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

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

4.3 Were Yields entered correctly? Yes ✓ No N/A

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

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

5.0 Other

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

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

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

5.4 Was transcription checked? Yes ✓ No N/A

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

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

6.0 Comments on any No response:

Please see NCM # 10-12951

First Level Review John Norton **Date** 9-5-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8238307

Review Item	Yes (√)	No (√)	NA (√)
A. Sample Analysis 1. Are the sample yields within acceptance criteria?	√		
2. Is the sample Minimum Detectable Activity < the Contract Detection Limit?	√		
3. Are the correct isotopes reported?	√		
B. QC Samples 1. Is the Minimum Detectable Activity for the blank result ≤the Contract Detection Limit?	√		
2. Does the blank result meet the Contract criteria?	√		
3. Is the blank result < the Contract Detection Limit?	√		
4. Is the blank result > the Contract Detection Limit but the sample result < the Contract Detection Limit?			√
5. Is the LCS recovery within contract acceptance criteria?	√		
6. Is the LCS Minimum Detectable Activity ≤the Contract Detection Limit?	√		
7. Do the MS/MSD results and yields meet acceptance criteria?			√
8. Do the duplicate sample results and yields meet acceptance criteria?	√		~~√~~ 9/6/18
C. Other 1. Are all Non-conformances included and noted?	√		
2. Are all required forms filled out?	√		
3. Was the correct methodology used?	√		
4. Was transcription checked?	√		
5. Were all calculations checked at a minimum frequency?	√		
6. Were units checked?	√		

Comments on any "No" response: See NCM

Second Level Review: [signature] Date: 9/6/18

LS-038B, Rev. 10, 9/07

Clouseau
Nonconformance Memo

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

NCM #: **10-12951**
NCM Initiated By: John Norton
Date Opened: 09/05/2008
Date Closed:

Classification: **Anomaly**
Status: **GLREVIEW**
Production Area: Environmental - Sep
Tests: Np-237 w/tracer
Lot #'s (Sample #'s): J8H040186 (2,4,5), J8H060299 (1,2), J8H070330 (1,2), J8H150000 (256),
QC Batches: 8228256,

Nonconformance: Other (describe in detail)
Subcategory: Other (explanation required)

Problem Description / Root Cause

Name	Date	Description
John Norton	09/05/2008	During the phosphate precipitation the amount of precipitate that formed was considerably less than expected.

Corrective Action

Name	Date	Corrective Action
John Norton	09/05/2008	The reagents used for the precipitation were replaced and the samples were reanalyzed as batch # 8238307.

Client Notification Summary

Client	Project Manager	Notified	Response	How Notified	Note	Response	Response Note

Quality Assurance Verification

Verified By	Due Date	Status	Notes
		This section not yet completed by QA.	

Approval History

Date Approved	Approved By	Position

Date Printed: 9/5/2008

TestAmerica

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

9/3/2008 8:35:08 AM

Lot No., Due Date: J8H040186; 09/10/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8228271; RSR85907 Sr-85/90 by GPC-7

SDG, Matrix: W05475; WATER

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

6.0 Comments on any No response:

First Level Review John Norton **Date** 9-3-2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8228271

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

Comments on any "No" response: _____

Second Level Review: Erika Ford Date: 9/4/8

LS-038B, Rev. 10, 9/07

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

8/29/2008 2:32:58 PM

Lot No., Due Date: J8H040186,J8H060303,J8H060299,J8H060318,J8H070330; 09/10/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8228258; RGAMMA Gamma by GER

SDG, Matrix: W05475; WATER

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

6.0 Comments on any No response:

First Level Review John Norton **Date** 8-29-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8228258

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

Comments on any "No" response: _____

Second Level Review: Erika Todd Date: 9/4/8

LS-038B, Rev. 10, 9/07

TestAmerica

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

9/8/2008 12:52:27 PM

Lot No., Due Date: J8H110167,J8H040186,J8H060299,J8H070330; 09/10/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8228262; RGAMLEPS Gamma by LEPS

SDG, Matrix: W05475; WATER

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

6.0 Comments on any No response:

First Level Review John Horton **Date** 9-8-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8228262

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

Comments on any "No" response: No- Neat

Second Level Review: [signature] Date: 09-08-06

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

9/10/2008 10:43:03 AM

Lot No., Due Date: J8H060299; 09/10/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8228272; RSE79 Se-79 by LSC

SDG, Matrix: W05475; WATER

	Yes	No	N/A
8.0 Correction Calculation Protocol Used. OK	✓		
8.01 The Appropriate Methods Were Used To Analyze the Samples OK	✓		
8.02 Final Results Are in the Appropriate Activity Units OK	✓		
8.03 Batch Contains the Required QC Appropriate for the Method OK	✓		
8.04 The Correct Tracer and QC Vials Where Used in the Samples OK	✓		
8.05 Sample was Appropriately Traced Before or After Fractionating the Sample OK	✓		
8.06 At Least the Minimum Sample Volume Was Used OK	✓		
8.07 The Correct Count Geometry was Used. OK	✓		
8.08 The Sample was Counted for the Minimum Count Time or CRDL was Achieved. OK	✓		
8.09 Method Blank is within Control Limits. OK	✓		
8.1 Comments:			
8.11 Matrix Blank is within Control Limits. No Matrix Blanks (MBlks) found in Batch!			✓
8.12 Method Blank(s) < QAS Limit Value (No B Flag Necessary). OK	✓		
8.13 QAS Specified Duplicate Equation Value within Control Limits. OK (RPD)	✓		
8.14 LCS within Control Limits. No Blank Spikes (LCS) found in Batch!			✓
8.15 MLCS within Control Limits. No Matrix Spikes (MLCS) found in Batch!			✓
8.16 MS within Control Limits. No Matrix Spike Samples (MS) found in Batch!			✓
8.17 Tracer within Control Limits. No Tracers found in Batch!			✓
8.18 Samples are above Minimum Tracer Yield (No Failed Samples) No Tracers found in Batch!			✓
8.19 Sample Specific MDC <= CRDL. OK	✓		
8.2 Comments:			
8.21 Result < Lc, Activity Not Detected, U Flag. No Limit Specified!			✓
8.22 Result < Mdc, Activity Not Detected, U Flag. No Positive Results OK Calc_IDL Not Calculated	✓		
8.23 Result <= Action Level, when Defined. OK; No Action Level Found => Se-79 OK; No Callin Level Found => Se-79	✓		
8.24 Result + 3s >=0, Not Too Negative. OK	✓		
8.25 Counting Spectrum are within FWHM Limits. No FWHM found in Batch Data!			✓

8.26 Instruments have Current Calibrations. Yes No N/A

8.27 Correct Count Library Used. Yes No N/A ✓
No Count Library found in Batch Data!

8.28 Instrument Background within Limits at Time of Counting. (Not Applicable to this version. To be developed in later versions) Yes No N/A

8.29 Instrument Check Source within Limits at the Time of Counting. (Not Applicable to this version. To be developed in later versions) Yes No N/A

8.3 Comments:

8.31 Results Blank Subtracted as Appropriate. Yes No N/A ✓
OK

First Level Review Lisa Anderson **Date** 9/10/08

TestAmerica

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

9/8/2008 12:43:08 PM

Lot No., Due Date: J8H060303,J8H060318; 09/10/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8228269; RTC99 Tc-99 by LSC

SDG, Matrix: W05475; WATER

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

6.0 Comments on any No response:

First Level Review John Norton **Date** 9-8-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 822 8269

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

Comments on any "No" response: NO - NCM

Second Level Review: [signature] Date: 09-08-08

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

8/28/2008 4:17:03 PM

Lot No., Due Date: J8H060299,J8H070330; 09/10/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8228273; RC14 C-14 by LSC

SDG, Matrix: W05475; WATER

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

6.0 Comments on any No response:

First Level Review Lisa Anderson **Date** 8/28/08

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8228273

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

Comments on any "No" response: _____

Second Level Review: Erika [illegible] Date: 9/4/18

LS-038B, Rev. 10, 9/07

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Richland Laboratory
Data Review Check List
Hexavalent Chromium

Batch Number(s): **8219209** Due 9/10/08

Lab Sample Numbers or WQ 5475 J8H 050269

Method/Test/Parameter: **Cr+6 in Water / RL-WC-003**

Review Item	Yes (✓)	No (✓)	N/A (✓)	2nd Level Review (✓)
A. Initial Calibration				
1. Performed at required frequency with required number of levels?	✓			✓
2. Correlation coefficient within QC limits?	✓			✓
3. Initial calibration verification (ICV) analyzed immediately after calibration and results within QC limits?	✓			✓
4. Initial calibration blank (ICB) analyzed immediately after ICV and concentrations of all parameters ≤ reporting limit?	✓			✓
B. Continuing Calibration	✓			
1. CCV analyzed at required frequency and all parameters within QC limits?				✓
2. CCB analyzed at required frequency and all results ≤ reporting limit?	✓			✓
C. Sample Analysis				
1. Were any samples with concentrations above the linear range for any parameter diluted and reanalyzed?	✓			✓
2. Were all sample holding times met?	✓			✓
D. QC Samples				
1. All results for the preparation blank below limits?	✓			✓
2. MS or MS/MSD recoveries within QC limits and %RPD (for MSD) acceptable?	✓			✓
3. LCS percent recovery within QC limits and %RPD (for LCSD) acceptable?	✓			✓
4. Analytical spikes within QC limits where applicable?	✓			✓
5. ICP only: One serial dilution performed per SDG?			✓	✓
6. ICP only: CRDL standard (CRI or CRA) analyzed at required frequency?			✓	✓
7. ICP only: Interference check samples (ICSA, ICSAB) and HICAL analyzed at the required frequencies and within QC limits?			✓	✓

Review Item	Yes (✓)	No (✓)	N/A (✓)	2nd Level Review (✓)
E. Other	✓			
1. Are all nonconformances included and noted?				—
2. Is the correct date and time of analysis shown?	✓			—
3. Did the analyst sign and date the front page of the analytical run?	✓			—
4. Correct methodology used?	✓			—
5. Transcriptions checked?	✓			—
6. Calculations checked at minimum frequency?	✓			—
7. Units checked?	✓			—

Comments on any "No" response:

Analyst: [signature] Date: 8/6/08

Second-Level Review: Sandra Seger Date: 8/29/08

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Richland Laboratory
Data Review Check List
Hexavalent Chromium

Batch Number(s): **8219212**

Lab Sample Numbers or W05475 J8H050264 Due 9/10/08

Method/Test/Parameter: **Cr+6 in Water / RL-WC-003**

Review Item	Yes (✓)	No (✓)	N/A (✓)	2nd Level Review (✓)
A. Initial Calibration				
1. Performed at required frequency with required number of levels?	✓			✓
2. Correlation coefficient within QC limits?	✓			✓
3. Initial calibration verification (ICV) analyzed immediately after calibration and results within QC limits?	✓			✓
4. Initial calibration blank (ICB) analyzed immediately after ICV and concentrations of all parameters ≤ reporting limit?	✓			✓
B. Continuing Calibration				
1. CCV analyzed at required frequency and all parameters within QC limits?	✓			✓
2. CCB analyzed at required frequency and all results ≤ reporting limit?	✓			✓
C. Sample Analysis				
1. Were any samples with concentrations above the linear range for any parameter diluted and reanalyzed?	✓			✓
2. Were all sample holding times met?	✓			✓
D. QC Samples				
1. All results for the preparation blank below limits?	✓			✓
2. MS or MS/MSD recoveries within QC limits and %RPD (for MSD) acceptable?	✓			✓
3. LCS percent recovery within QC limits and %RPD (for LCSD) acceptable?	✓			✓
4. Analytical spikes within QC limits where applicable?	✓			✓
5. ICP only: One serial dilution performed per SDG?			✓	✓
6. ICP only: CRDL standard (CRI or CRA) analyzed at required frequency?			✓	✓
7. ICP only: Interference check samples (ICSA, ICSAB) and HICAL analyzed at the required frequencies and within QC limits?			✓	✓

Review Item	Yes (✓)	No (✓)	N/A (✓)	2nd Level Review (✓)
E. Other	✓			
1. Are all nonconformances included and noted?				✓
2. Is the correct date and time of analysis shown?	✓			✓
3. Did the analyst sign and date the front page of the analytical run?	✓			✓
4. Correct methodology used?	✓			✓
5. Transcriptions checked?	✓			✓
6. Calculations checked at minimum frequency?	✓			✓
7. Units checked?	✓			✓

Comments on any "No" response:

Analyst: [illegible] Date: 8/6/08

Second-Level Review: Sandra Segen Date: 8/29/08

TESTAMERICA LABORATORIES, INC.

FLUOR HANFORD

R. D. Julian

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H040186 W05475 DUE 9 3 08

C.O.C. # **S08-006-44**

Page 1 of 1

Collector R. D. Julian	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, JUNE 2008	HNF-N-506-14	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLT1	KTK98	W	7-31-08	1439	1x20-mL P	Activity Scan	None
B1VLT1	↓	W	↓	↓	1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1VLT1	↓	W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1VLT1	↓	W	↓	↓	1x1000-mL G/P	UISO_PLATE_AEA: List-1 (3)	HNO3 to pH <2
B1VM49	KTK99	W	↓	↓	1x20-mL P	Activity Scan	None
B1VM49	↓	W	↓	↓	1x1000-mL G/P	NP237_LLE_PLATE_AEA:Np-237(1)	HNO3 to pH <2
B1VM49	↓	W	↓	↓	3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. D. Julian			8408 1315 ~~JUL 31 2008~~		LJ LANE	TAL	8408 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

TESTAMERICA LABORATORIES, INC.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H040186 WCS4-15 DUE 9 3 08

C.O.C. # **S08-006-45**

Page 1 of 1

Collector R. D. Julian	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, JUNE 2008	HNF-N-506-14	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLT2	KTLAC	W	7-31-08	1435	1x20-mL P	Activity Scan	None
B1VLT2		W			1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1VLT2		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1VLT2		W			1x1000-mL G/P	UISO_PLATE_AEA: List-1 (3)	HNO3 to pH <2
B1VM50	KTLAF	W			1x20-mL P	Activity Scan	None
B1VM50		W			1x1000-mL G/P	NP237_LLE_PLATE_AEA:Np-237(1)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. D. Julian			7-31-08 ~~JUL 31 2008~~ 8408 1315		LJLANE	TAL	8 Y08 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 Liquid	
SO = Solid		T = Tissue	
SL = Sludge		WI = Wipe	
W = Water		L = Liquid	
O = Oil		V = Vegetation	
A = Air		X = Other	

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

TESTAMERICA LABORATORIES, INC.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

JSH040186 W05475 DUE 9 3 08

C.O.C. # **S08-006-56**

Page 1 of 1

Collector D. Bates	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV. JUNE 2008	HWF-N-506.14	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLF3	KTLAH	W	8-3-08	0848	1x20-mL P	Activity Scan	None
B1VLF3		W			1x1000-mL G/P	NP237_LLE_PLATE_AEA:Np-237(1)	HNO3 to pH <2
B1VLV1	KTLAK	W			1x20-mL P	Activity Scan	None
B1VLV1		W			1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1VLV1		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1VLV1		W			1x1000-mL G/P	UISO_PLATE_AEA: List-1 (3)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. Bates		D Bates	8408 1315		LJLANE	TAL	8408 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	= Wipe
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

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

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H040186 W05475 DUE 9 3 08

C.O.C. # **S08-006-112**

Page 1 of 1

Collector R. D. Julian	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, JUNE 2008	HNF-N-506-14-P.52	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLK6	KTLAM	W	7-31-08	1144	1x20-mL P	Activity Scan	None
B1VLK6		W			1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	R. D. Julian		8408 7-31-08 ~~JUL 31 2008~~ 1315		W LANE	TAL	8408 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

TESTAMERICA LABORATORIES, INC.

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Sample Check-in List

Date/Time Received: 8 4 08 1315 GM Screen Result 0.1K

Client: PGW SDG #: W05475 NA[ ] SAF #: 508-006 NA [ ]

Work Order Number: J8H040186 Chain of Custody # 508-006-44,-45,-56,-112

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 7
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - ____ Tape
   - ✓ Custody Seals
   - ____ Hazard Lables
   - ✓ Appropriate Sample Lables
9. Samples are:
   - ✓ In Good Condition
   - ____ Broken
   - ____ Leaking
   - ____ Have Air Bubbles
   - (Only for samples requiring no head space.)
10. Sample pH taken? NA [ ] pH<2 [✓] pH>2 [✓] pH>9 [ ] Amount HNO_3 Added _____
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: RCJ Date: 8 4 08

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

TESTAMERICA LABORATORIES, INC.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I08-047-64**

Collector R. D. Julian	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-047	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 100KR4IAM(1/2), JULY 2008	HNF-N-506-14/55	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 30 Days **PRIORITY**	**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 ☐
100 Area Generator Knowledge Information Form applies.

J8H050264 W05475 Due 09.04.08

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1W1N0		W	8/5/08	1109	1x20-mL P	Activity Scan	None
B1W1N0		W	"	"	1x500-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C
						KTMMR	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. D. Julian			8-5-08 1350		Fred Hall		8-5-08 1350
	Fred Hall		8-5-08 1430				8-5-08 1430
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

TestAmerica

Sample Check-in List

Date/Time Received: 08-05-08 1430 **GM Screen Result** .01

Client: PGW **SDG #:** W05475 NA[ ] **SAF #:** I08-047 NA [ ]

Work Order Number: J8H050264 **Chain of Custody #** I08-047-64

Shipping Container ID: _____ **Air Bill #** _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 1
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - _____ Tape
   - _____ Custody Seals
   - _____ Hazard Lables
   - 1 Appropriate Sample Lables
9. Samples are:
   - 1 In Good Condition
   - _____ Broken
   - _____ Leaking
   - _____ Have Air Bubbles
   - (Only for samples requiring no head space.)
10. Sample pH taken? NA [ ] pH<2 [ ] pH>2 [✓] pH>9 [ ] **Amount HNO_3 Added** None
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: L. Smith **Date:** 08-05-08

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

LS-023, Rev. 7, 1/08

TESTAMERICA LABORATORIES, INC.

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. # **I08-032-87**

Page 1 of 1

Collector R. D. Julian	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. 108-032	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 100KR4IAM(1/2), APRIL 2008	HNF-N-506-14/55	**Ice Chest No.** KEH 105 **Temp.**
Shipped To (Lab) TestAmerica 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 ☐
100 Area Generator Knowledge Information Form applies.

J8H050269 W5475 Due 09.04.08

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TW31		W	8/05/08	0901	1x20-mL P	Activity Scan	None
B1TW31		W	8/05/08	0901	1x500-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C
						KTMMO	

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
R. D. Julian	AUG 05 2008 1350	Fay Hall	08-5-08 1350
Fay Hall	8-5-08 1430	A. Smith S. Smith 08.05.08	8-5-08 1430

Matrix *

S	= Soil	DS	= Drum Solid
SE	= Sediment	DL	= Drum Liquid
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

TestAmerica

Sample Check-in List

Date/Time Received: 08·05·08 1430 GM Screen Result .01

Client: PGW SDG #: W05475 NA[ ] SAF #: I08-032 NA [ ]

Work Order Number: J8H050269 Chain of Custody # I08-032-87

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 1
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - ____ Tape
   - ____ Custody Seals
   - ____ Hazard Lables
   - 1 Appropriate Sample Lables
9. Samples are:
   - 1 In Good Condition
   - ____ Broken
   - ____ Leaking
   - ____ Have Air Bubbles (Only for samples requiring no head space.)
10. Sample pH taken? NA [ ] pH<2 [ ] pH>2 [✓] pH>9 [ ] **Amount HNO_3 Added** None
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: S. Smith **Date:** 08·05·08

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

LS-023, Rev. 7, 1/08

TESTAMERICA LABORATORIES, INC.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H060299 WO5475 DUE 9508 KTPCG

C.O.C. # **I08-043-37**

Page 1 of 1

Collector RM Arnold	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-043	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1, JUNE 2008	HNF-N-506-17	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VKX0		W	8-5-08	1518	1x20-mL P	Activity Scan	None
B1VKX0		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1VKX0		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1VKX0		W			1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1VKX0		W			1x1000-mL G/P	NP237_LLE_PLATE_AEA:Np-237(1)	HNO3 to pH <2
B1VKX0		W			2x1000-mL G/P	Selenium-79	HNO3 to pH <2
B1VKX0		W			1x1000-mL G/P	UISO_PLATE_AEA: List-1 (3)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
RM Arnold	RM Arnold		1245 8-5-08		FM Hall		1245 8-5-08
FM Hall	FM Hall		320 8-5-08		LJLANE	TAL	1320 8-5-08

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

TESTAMERICA LABORATORIES, INC.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

JSH060299 WO5475 DUE 9508 KTPCK

C.O.C. # **I08-043-38**

Page 1 of 1

Collector RM Arnold	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-043	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1, JUNE 2008	HNF-N-506-17	**Ice Chest No.** 6W0-07-002 **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ✓ No
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VKX1		W	6-5-08	1200	1x20-mL P	Activity Scan	None
B1VKX1		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1VKX1		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1VKX1		W			1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1VKX1		W			1x1000-mL G/P	NP237_LLE_PLATE_AEA:Np-237(1)	HNO3 to pH <2
B1VKX1		W			2x1000-mL G/P	Selenium-79	HNO3 to pH <2
B1VKX1		W			1x1000-mL G/P	UISO_PLATE_AEA: List-1 (3)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
RM Arnold	RM Arnold		1245 6-4-08 AUG 05 2008		Tom Hall		1245 6-4-08 AUG 05 2008
Tom Hall			1320 6-4-08		LWLANE TAL		1320 6-5-08
							6-5-08

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

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Sample Check-in List

Date/Time Received: 8608 1320 GM Screen Result 0.1K

Client: PGW SDG #: W05475 NA[ ] SAF #: I08-043 NA [ ]

Work Order Number: J8H060299 Chain of Custody # I08-043-37,-38

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 2
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - ___ Tape
   - ✓ Custody Seals
   - ___ Hazard Lables
   - ✓ Appropriate Sample Lables
9. Samples are:
   - ✓ In Good Condition
   - ___ Broken
   - ___ Leaking
   - ___ Have Air Bubbles
   - (Only for samples requiring no head space.)
10. Sample pH taken? NA [ ] pH<2 [✓] pH>2 [✓] pH>9 [ ] Amount HNO_3 Added _____
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: [signature] Date: 8608

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H060303 WO5475 DUE 9 5 08 KTP06

C.O.C. # **W08-008-60**

Page 1 of 1

Collector: RM Arnold	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-008	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, AUGUST 2008	HNF-N-506-17	Ice Chest No. Temp.
Shipped To (Lab): TestAmerica Incorporated, Richland	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: RCRA	Priority: 30 Days **PRIORITY**	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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WJF5		W	8-6-08	1038	1x20-mL P	Activity Scan	None
B1WJF5		W	↓	↓	3x1000-mL G/P	TC99_SEP_LSC: Tc-99 (1)	HCl to pH <2
B1WJF5		W	↓	↓	1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
RM Arnold	RM Arnold		1245 6 HR 8-6-08 8-5-08		Fun Hall		1245 6 HR 8-6-08 8-5-08
Fun Hall	Fun Hall		1320 6 8-5-08 8-5-08		WLANE	TAL	1320 6 8-5-08 8-5-08

Matrix *

S = Soil	DS = Drum Solid		
SE = Sediment	DL = Drum Liquid		
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

TESTAMERICA LABORATORIES, INC.

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H060303 W05475 DUE 9 5 08 KTPIA

C.O.C. # **W08-008-96**

Page 1 of 1

Collector RM Arnold	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-008	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, AUGUST 2008	HNF-N-506-17	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 30 Days **PRIORITY**	**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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WJJ9		W	8-6-08	1150	1x20-mL P	Activity Scan	None
B1WJJ9		W	↓	↓	3x1000-mL G/P	TC99_SEP_LSC: Tc-99 (1)	HCl to pH <2
B1WJJ9		W	↓	↓	1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
RM Arnold	RM Arnold		1245 8-5-08		Fue Hall		1245 8-5-08
Fue Hall			1500 8-5-08		RLWLANE TAL		1320 8-6-08

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 8608 1320 GM Screen Result 0.1K

Client: PGW SDG #: W05475 NA[ ] SAF #: W08-008 NA [ ]

Work Order Number: J8H060303 Chain of Custody # W08-008-60,-96

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 2
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - ____ Tape
   - ✓ Custody Seals
   - ____ Hazard Lables
   - ✓ Appropriate Sample Lables
9. Samples are:
   - ✓ In Good Condition
   - ____ Broken
   - ____ Leaking
   - ____ Have Air Bubbles
   - (Only for samples requiring no head space.)
10. Sample pH taken? NA [ ] pH<2 [✓] pH>2 [ ] pH>9 [ ] Amount HNO_3 Added _____
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: _____ Date: 8608

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

TESTAMERICA LABORATORIES, INC.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H060318 W05475 DUE 9 508 KTP56

C.O.C. # **W08-008-30**

Page 1 of 1

Collector D. R. Williamson	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-008	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA AUGUST 2008	HNF-N-506-16/30	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 30 Days **PRIORITY**	**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**
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WJC2		W	8/6/08	1248	1x20-mL P	Activity Scan	None
B1WJC2		W	8/6/08	1248	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
	D. R. Williamson	[signature]	8/6/08 1430		LJLANE	TAL	8/6/08 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

TESTAMERICA LABORATORIES, INC.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H060318 W05475 DUE 9508 KTP6J

C.O.C. # **W08-008-42**

Page 1 of 1

Collector D. R. Williamson	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-008	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, AUGUST 2008	HNF-N-506-16/30	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 30 Days **PRIORITY**	**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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WJD3		W	8/6/08	1115	1x20-mL P	Activity Scan	None
B1WJD3		W	8/6/08	1115	3x1000-mL G/P	TC99_SEP_LSC: Tc-99 (1)	HCl to pH <2
B1WJD3		W	↓	↓	1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	D. R. Williamson	[signature]	1430 8/6/08		LJ LANE	TAL	1430 8/6/08
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	
SF = Sediment		DL = Drum Liquid	
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

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TESTAMERICA LABORATORIES, INC.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H060318 W05475 DUE 9508 KTP6T

C.O.C. # **W08-008-54**

Page 1 of 1

Collector D. R. Williamson	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-008	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, AUGUST 2008	HNF-N-506-16/30	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol RCRA	**Priority:** 30 Days **PRIORITY**	**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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WJF1		W	8/6/08	1157	1x20-mL P	Activity Scan	None
B1WJF1		W	8/6/08	1157	1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
D. R. Williamson	[signature]	1430 8/6/08	[signature]	LJ LANE TAL	1430 8/6/08
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time
Relinquished By		Date/Time	Received By		Date/Time

Matrix *

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

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

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H060318 W05475 DUE 9 5 08 KTP6V

C.O.C. # W08-008-72

Page 1 of 1

Collector: D. R. Williamson	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-008	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, AUGUST 2008	HNF-N-506-16/30	Ice Chest No. Temp.
Shipped To (Lab): TestAmerica Incorporated, Richland	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: RCRA	Priority: 30 Days PRIORITY	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
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WJH3		W	8/6/08	1002	1x20-mL P	Activity Scan	None
B1WJH3		W	8/6/08	1002	1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	D. R. Williamson	[signature]	1430 8/6/08		LJ LANE	TAL	1430 8/6/08
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TESTAMERICA LABORATORIES, INC.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 8608 1430 GM Screen Result 0.1K

Client: PGW SDG #: W05475 NA[ ] SAF #: W08-008 NA [ ]

Work Order Number: J8H060318 Chain of Custody # W08-008-30,-42,-54,-72

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 4
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - ___ Tape
   - ✓ Custody Seals
   - ___ Hazard Lables
   - ✓ Appropriate Sample Lables
9. Samples are:
   - ✓ In Good Condition
   - ___ Broken
   - ___ Leaking
   - ___ Have Air Bubbles
   - (Only for samples requiring no head space.)
10. Sample pH taken? NA [ ] pH<2 [✓] pH>2 [ ] pH>9 [ ] Amount HNO_3 Added _____
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: _____ Date: 8608

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

TESTAMERICA LABORATORIES, INC.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H070330 WO5475 DUE 9 5 08 KTR2V

C.O.C. # **S08-008-30**

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: S08-008	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, AUGUST 2008	HNF-N-506-R13	Ice Chest No. Temp.
Shipped To (Lab): TestAmerica Incorporated, Richland	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: SURV	Priority: 30 Days **PRIORITY**	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WFY8		W	8/7/08	0854	1x20-mL P	Activity Scan	None
B1WFY8		W	↓	↓	2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1WFY8		W			1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1WFY8		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1WFY8		W			1x1000-mL G/P	NP237_LLE_PLATE_AEA:Np-237(1)	HNO3 to pH <2
B1WFY8		W			1x1000-mL G/P	Isotopic Thorium	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Roy Sickle			1445 8-7-08		LLANE	TAL	1445 8-7-08
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

TESTAMERICA LABORATORIES, INC.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H070330 WO5475 DUE 9 5 08 KTR2W

C.O.C. # **S08-008-48**

Page 1 of 1

Collector Roy Sickle	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. S08-008	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title SURV, AUGUST 2008	HNF-N-506-18/3	Ice Chest No. Temp.
Shipped To (Lab) TestAmerica Incorporated, Richland	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol SURV	Priority: 30 Days **PRIORITY**	Offsite Property No.

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WH10		W	8/7/08	1142	1x20-mL P	Activity Scan	None
B1WH10		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1WH10		W			1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1WH10		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1WH10		W			1x1000-mL G/P	NP237_LLE_PLATE_AEA:Np-237(1)	HNO3 to pH <2
B1WH10		W			1x1000-mL G/P	Isotopic Thorium	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Roy Sickle			1445 8-7-08		LWLANE	TAL	1445 8-7-08
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	
SF = 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

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TESTAMERICA LABORATORIES, INC.

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H070330 WC5475 DUE 9 5 08 KTR20

C.O.C. # **S08-008-54**

Page 1 of 1

Collector Scott E. Hamaker	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-008	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, AUGUST 2008	HWF-N-506-16	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 30 Days **PRIORITY**	**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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WH12		W	8/7/08	1252	1x20-mL P	Activity Scan	None
B1WH12		W	↓	↓	1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1WH12		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
	Scott E. Hamaker	Scott Hamaker	1445 8-7-08		LSLANE	TAL	1445 8-7-08
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 Liquid
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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 8708 1445 GM Screen Result 0.1K

Client: PGW SDG #: W05475 NA[ ] SAF #: 508-008 NA [ ]

Work Order Number: J8H070330 Chain of Custody # 508-008-30,-48,-54

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 3
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - ✓ Tape
   - ✓ Custody Seals
   - ✓ Hazard Lables
   - ✓ Appropriate Sample Lables
9. Samples are:
   - ✓ In Good Condition
   - ___ Broken
   - ___ Leaking
   - ___ Have Air Bubbles
   - (Only for samples requiring no head space.)
10. Sample pH taken? NA [ ] pH<2 [✓] pH>2 [✓] pH>9 [ ] Amount HNO_3 Added _____
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: [signature] Date: 8708

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

TESTAMERICA LABORATORIES, INC.

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H110167 W05475 DUE 9 10 08 KTOCN

C.O.C. # **108-053-10**

Page 1 of 1

Collector KE Hamilton	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. 108-053	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1 AUGUST 2008	HNF-N-506-17	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 30 Days **PRIORITY**	**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**
200 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WDM2		W	8-10-08	1232	1x20-mL P	Activity Scan	None
B1WDM2		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KE Hamilton	[illegible]	[illegible]	1230 8-11-08		R J LANE	TAL	1230 08-11-08
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

TESTAMERICA LABORATORIES, INC.

97

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8H110167 WO5475 DUE 9 10 08 KTOCR

C.O.C. # **I08-053-11**

Page 1 of 1

Collector KE Hamilton	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-053	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UPL AUGUST 2008	HNF-N-506-17	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 30 Days **PRIORITY**	**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 ☐
200 Area Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1WDM3		W	8-10-08	1232	1x20-mL P	Activity Scan	None
B1WDM3		W	↓	↓	2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KE Hamilton	Kevin E Hamilton		8-11-08 1230		G LANE	TAL	8-11-08 1230
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 81108 1230 GM Screen Result 0.1K

Client: PGW SDG #: W05475 NA[ ] SAF #: I08-053 NA [ ]

Work Order Number: J8H110167 Chain of Custody # I08-053-10,-11

Shipping Container ID: _____ Air Bill # _____

1. Custody Seals on shipping container intact? NA [ ] Yes [✓] No [ ]
2. Custody Seals dated and signed? NA [ ] Yes [✓] No [ ]
3. Chain of Custody record present? NA [ ] Yes [✓] No [ ]
4. Cooler Temperature: _____ NA [✓] 5. Vermiculite/packing materials is NA [✓] Wet [ ] Dry [ ]
6. Number of samples in shipping container: 2
7. Sample holding times exceeded? NA [✓] Yes [ ] No [ ]
8. Samples have:
   - ____ Tape
   - ✓ Custody Seals
   - ____ Hazard Lables
   - ✓ Appropriate Sample Lables
9. Samples are:
   - ✓ In Good Condition
   - ____ Broken
   - ____ Leaking
   - ____ Have Air Bubbles
   - (Only for samples requiring no head space.)
10. Sample pH taken? NA [ ] pH<2 [ ] pH>2 [✓] pH>9 [ ] Amount HNO_3 Added _____
11. Sample Location, Sample Collector Listed? *
    *For documentation only. No corrective action needed.
12. Were any anomalies identified in sample receipt? Yes [ ] No [✓]
13. Description of anomalies (include sample numbers): _____

Sample Custodian: RJ Date: 81108

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

TESTAMERICA LABORATORIES, INC.

8/21/2008 8:16:03 AM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AnalyDueDate: 09/10/2008 205475

Batch: 8228257 WATER pCi/L
SEQ Batch, Test: None

9N Thiso PrpRc5016, SepRC5084(5003)
S1 Thorium-228,230,232 by Alpha Spec
01 STANDARD TEST SET

PM, Quote: SS , 57671

Balance Id:11
Pipet #: ____ . ____
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech: ,BockJ

Work Order, Lot, Sample Date	Total Amt /Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KTR2V-1-AC J8H070330-1-SAMP 08/07/2008 08:54		AmtRec: VIAL20,4XLP,3X4LP	200.53g,in	200.53g #Containers: 8	THTC12947 08/12/08,pd 08/07/08,r	200		Scr: Alpha: 9.38E-03 uCi/Sa 3.1E-01L	Beta: 2.75E-03 uCi/Sa	
2 KTR2V-1-AG-X J8H070330-1-DUP 08/07/2008 08:54		AmtRec: VIAL20,4XLP,3X4LP	201.90g,in	201.90g #Containers: 8	THTC12948 08/12/08,pd 08/07/08,r			Scr: Alpha: 9.38E-03 uCi/Sa 3.1E-01L	Beta: 2.75E-03 uCi/Sa	
3 KTR2W-1-AC J8H070330-2-SAMP 08/07/2008 11:42		AmtRec: VIAL20,4XLP,3X4LP	200.79g,in	200.79g #Containers: 8	THTC12949 08/12/08,pd 08/07/08,r			Scr: Alpha: 5.59E-03 uCi/Sa	Beta: 1.52E-03 uCi/Sa	
4 KT72P-1-AA-B J8H150000-257-BLK 08/07/2008 08:54		AmtRec:	199.97g,in	199.97g #Containers: 1	THTC12950 08/12/08,pd 08/07/08,r			Scr: Alpha:	Beta:	
5 KT72P-1-AC-C J8H150000-257-LCS 08/07/2008 08:54		AmtRec:	199.69g,in	199.69g #Containers: 1	THSI1282 08/12/08,pd 08/07/08,r			Scr: Alpha:	Beta:	

Comments: pH <2.0 SJB 8-21-08

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

KTR2V1AC-SAMP Constituent List:

Th-228	RDL:1	pCi/L	LCL:	UCL:	RPD:	Th-230	RDL:1	pCi/L	LCL:70	UCL:130	RPD:20

8/21/2008 8:16:04 AM

Sample Preparation/Analysis

9N Thiso PrpRc5016, SepRC5084(5003)
S1 Thorium-228,230,232 by Alpha Spec
01 STANDARD TEST SET

Balance Id:11
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech: ,BockJ

AnalyDueDate: 09/10/2008

Batch: 8228257 pCi/L
SEQ Batch, Test: None

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

```
 Th-232      RDL:1        pCi/L    LCL:      UCL:      RPD:      Th-234    RDL:      pCi/L    LCL:20    UCL:115   RPD:20

KT72P1AA-BLK:
 Th-228      RDL:1        pCi/L    LCL:      UCL:      RPD:      Th-230    RDL:1     pCi/L    LCL:      UCL:      RPD:
 Th-232      RDL:1        pCi/L    LCL:      UCL:      RPD:      Th-234    RDL:      pCi/L    LCL:20    UCL:115   RPD:20

KT72P1AC-LCS:
 Th-230      RDL:1        pCi/L    LCL:70    UCL:130   RPD:20    Th-234    RDL:      pCi/L    LCL:20    UCL:115   RPD:20

KTR2V1AC-SAMP Calc Info:
     Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
KT72P1AA-BLK:
     Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
KT72P1AC-LCS:
     Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
```

Approved By _____ Date: _____

8/28/2008 4:02:19 PM

ICOC Fraction Transfer/Status Report

ByDate: 8/29/2007, 9/2/2008, Batch: '8228257', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8228257						
AC		Rev1C	BockJ	8/21/2008 8:07:30		
SC			antonsonl	IsBatched	8/19/2008 10:39:41 AM	ICOC_RADCALC v4.8.34
SC			BockJ	InPrep	8/21/2008 8:07:30 AM	rl-prp-004 revision 0
SC			BockJ	Prep1C	8/21/2008 8:15:34 AM	RL-PRP-004 REVISION 0
SC			AshworthA	Sep1C	8/26/2008 3:23:20 PM	ALP-001 REVISION 0
SC			AshworthA	Sep2C	8/27/2008 3:13:02 PM	ALP-016 REVISION 0
SC			DAWKINSO	InCnt1	8/27/2008 4:16:00 PM	RL-CI-008 REVISION 0
SC			DAWKINSO	CalcC	8/27/2008 9:29:49 PM	RL-CI-008 REVISION 0
SC			antonsonl	Rev1C	8/28/2008 4:01:16 PM	RL-DR-001 REV 0
AC			BockJ	8/21/2008 8:15:34		
AC			AshworthA	8/26/2008 3:23:20 PM		
AC			AshworthA	8/27/2008 3:13:02 PM		
AC			DAWKINSO	8/27/2008 4:16:00 PM		
AC			DAWKINSO	8/27/2008 9:29:49 PM		
AC			antonsonl	8/28/2008 4:01:16 PM		

AC: Accepting Entry; SC: Status Change

TestAmerica Richland

Richland Wa.

Grp Rec Cnt: 7

ICOCFractions v4.8.34

TESTAMERICA LABORATORIES, INC

8/19/2008 2:10:38 PM

Sample Preparation/Analysis

Balance Id:1120373922

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

7Y Ulso PrpRC5016/5086, SepRC5067(5039)
SR Uranium-234,235,238 by Alpha Spec
5I CLIENT: HANFORD

Pipet #: _____

AnalyDueDate: 09/10/2008 W05475

Sep1 DT/Tm Tech:

Batch: 8228255 WATER pCi/L

PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,BockJ

Work Order, Lot, Sample Date	Total Amt /Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KTK98-1-AD J8H040186-1-SAMP 07/31/2008 14:39			88.76g,in AmtRec: VIAL20,LP,3X4LP	88.76g #Containers: 5	uitc20028 08/13/08,pd 06/15/01,r	200		Scr: Alpha: 1.64E-02 uCi/Sa 1.4E-01L	Beta: 2.66E-02 uCi/Sa 4.4E-02L	
2 KTK98-1-AE-X J8H040186-1-DUP 07/31/2008 14:39			90.23g,in AmtRec: VIAL20,LP,3X4LP	90.23g #Containers: 5	uitc20029 08/13/08,pd 06/15/01,r			Scr: Alpha: 1.64E-02 uCi/Sa 1.4E-01L	Beta: 2.66E-02 uCi/Sa 4.4E-02L	
3 KTLAC-1-AD J8H040186-3-SAMP 07/31/2008 14:39			84.88g,in AmtRec: VIAL20,LP,3X4LP	84.88g #Containers: 5	uitc20030 08/13/08,pd 06/15/01,r			Scr: Alpha: 1.11E-02 uCi/Sa 2.1E-01L	Beta: 2.80E-02 uCi/Sa 4.2E-02L	
4 KTLAK-1-AD J8H040186-6-SAMP 08/03/2008 08:48			163.70g,in AmtRec: VIAL20,LP,3X4LP	163.70g #Containers: 5	uitc20031 08/13/08,pd 06/15/01,r			Scr: Alpha: 1.82E-03 uCi/Sa	Beta: 1.46E-02 uCi/Sa 8.0E-02L	
5 KTP0G-1-AG J8H060299-1-SAMP 08/05/2008 15:18			200.20g,in AmtRec: VIAL20,6XLP,3X4LP	200.20g #Containers: 10	uitc20032 08/13/08,pd 06/15/01,r			Scr: Alpha: -3.26E-03 uCi/Sa	Beta: 4.45E-03 uCi/Sa	
6 KTP0K-1-AG J8H060299-2-SAMP 08/05/2008 12:00			202.48g,in AmtRec: VIAL20,6XLP,3X4LP	202.48g #Containers: 10	uitc20033 08/13/08,pd 06/15/01,r			Scr: Alpha: -2.07E-04 uCi/Sa	Beta: 1.09E-03 uCi/Sa	
7 KT72L-1-AA-B J8H150000-255-BLK 07/31/2008 14:39			199.41g,in AmtRec:	199.41g #Containers: 1	uitc20034 08/13/08,pd 06/15/01,r			Scr: Alpha:	Beta:	

8/19/2008 2:10:39 PM

Sample Preparation/Analysis

7Y Uiso PrpRC5016/5086, SepRC5067(5039)
SR Uranium-234,235,238 by Alpha Spec
5I CLIENT: HANFORD

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

AnalyDueDate: 09/10/2008

Batch: 8228255 pCi/L
SEQ Batch, Test: None

Work Order, Lot, Sample Date	Total Amt /Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 KT72L-1-AC-C J8H150000-255-LCS 07/31/2008 14:39		AmtRec:	201.25g,in	201.25g #Containers: 1	uisg1642 04/11/08,pd 06/15/01,r	200				

Scr: Alpha: Beta:

Comments: Aliquots #1-#4 are reduced due to high screen results. PH<20 JB 8-19-08

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

KTK981AD-SAMP Constituent List:

U-232	RDL:	pCi/L	LCL:20	UCL:105	RPD:20	U-234	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:
U-235	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:	U-238	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:

KT72L1AA-BLK:

U-232	RDL:	pCi/L	LCL:20	UCL:105	RPD:20	U-234	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:
U-235	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:	U-238	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:

KT72L1AC-LCS:

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

KTK981AD-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT72L1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT72L1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

TESTAMERICA LABORATORIES, INC.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

RE-COUNT REQUEST

DUE DATE 9/10/08

CUSTOMER PGW

ANALAYSIS Uiso

MATRIX water

LOT NUMBER J8H0Ole

SAMPLE DELIVERY GROUP

OLD BATCH NUMBER 8228255

NEW BATCH NUMBER

LAB SAMPLE ID	CLIENT ID	REASON FOR REQUEST & ANALYSIS COMMENTS
1) KTK981A1D		Suspect Pu not completely separated -
2)		please strip - rerun through
3)		Column + Re Ed.
4)		
5)		
6)		
7)		
8)		
9)		
10)		
11)		
12)		
13)		
14)		
15)		
16)		
17)		
18)		
19)		
20)		

RC-126, 12/07, Rev 5

8/28/2008 4:07:57 PM

Sample Preparation/Analysis

Balance Id:1120373922

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

7Y Uiso PrpRC5016/5086, SepRC5067(5039)
SR Uranium-234,235,238 by Alpha Spec
5I CLIENT: HANFORD

Pipet #: _____

AnalyDueDate: 09/10/2008

Sep1 DT/Tm Tech:

Batch: 8228255 WATER pCi/L PM, Quote: SS , 57671

SEQ Batch, Test: None

Sep2 DT/Tm Tech:

Prep Tech: ,BockJ

Work Order, Lot, Sample Date	Total Amt /Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KTK98-1-AD J8H040186-1-SAMP 07/31/2008 14:39	AmtRec: VIAL20,LP,3X4LP	#Containers: 5	88.76g,in	88.76g	uitc20028 08/13/08,pd 06/15/01,r			Scr: Alpha: 1.64E-02 uCi/Sa	1.4E-01L	Beta: 2.66E-02 uCi/Sa 4.4E-02L
2 KTK98-1-AE-X J8H040186-1-DUP 07/31/2008 14:39	AmtRec: VIAL20,LP,3X4LP	#Containers: 5	90.23g,in	90.23g	uitc20029 08/13/08,pd 06/15/01,r			Scr: Alpha: 1.64E-02 uCi/Sa	1.4E-01L	Beta: 2.66E-02 uCi/Sa 4.4E-02L
[redacted] J8H040186-1-SAMP 07/31/2008 14:39	AmtRec: VIAL20,LP,3X4LP	#Containers: 5	88-Reg		UITC 20028	200 min		Scr: Alpha: 1.64E-02 uCi/Sa	1.4E-01L	Beta: 2.66E-02 uCi/Sa 4.4E-02L
4 KTLAC-1-AD J8H040186-3-SAMP 07/31/2008 14:39	AmtRec: VIAL20,LP,3X4LP	#Containers: 5	84.88g,in	84.88g	uitc20030 08/13/08,pd 06/15/01,r			Scr: Alpha: 1.11E-02 uCi/Sa	2.1E-01L	Beta: 2.80E-02 uCi/Sa 4.2E-02L
5 KTLAK-1-AD J8H040186-6-SAMP 08/03/2008 08:48	AmtRec: VIAL20,LP,3X4LP	#Containers: 5	163.70g,in	163.70g	uitc20031 08/13/08,pd 06/15/01,r			Scr: Alpha: 1.82E-03 uCi/Sa		Beta: 1.46E-02 uCi/Sa 8.0E-02L
6 KTP0G-1-AG J8H060299-1-SAMP 08/05/2008 15:18	AmtRec: VIAL20,6XLP,3X4LP	#Containers: 10	200.20g,in	200.20g	uitc20032 08/13/08,pd 06/15/01,r			Scr: Alpha: -3.26E-03 uCi/Sa		Beta: 4.45E-03 uCi/Sa
7 KTP0K-1-AG J8H060299-2-SAMP 08/05/2008 12:00	AmtRec: VIAL20,6XLP,3X4LP	#Containers: 10	202.48g,in	202.48g	uitc20033 08/13/08,pd 06/15/01,r			Scr: Alpha: -2.07E-04 uCi/Sa		Beta: 1.09E-03 uCi/Sa

TestAmerica Richland Wa.

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

ISV - Insufficient Volume for Analysis

WO Cnt: 7
ICOC v4.8.34

TESTAMERICA LABORATORIES, INC.

105

Sample Preparation/Analysis

7Y Uiso PrpRC5016/5086, SepRC5067(5039)
SR Uranium-234,235,238 by Alpha Spec
5I CLIENT: HANFORD

Balance Id:1120373922
Pipet #:

AnalyDueDate: 09/10/2008

Sep1 DT/Tm Tech:

Batch: 8228255 pCi/L
SEQ Batch, Test: None

Sep2 DT/Tm Tech:

Prep Tech: ,BockJ

Work Order, Lot, Sample Date	Total Amt /Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 KT72L-1-AA-B J8H150000-255-BLK 07/31/2008 14:39		AmtRec:	199.41g,in	199.41g #Containers: 1	uitc20034 08/13/08,pd 06/15/01,r			Scr:	Alpha:	Beta:
9 KT72L-1-AC-C J8H150000-255-LCS 07/31/2008 14:39		AmtRec:	201.25g,in	201.25g #Containers: 1	uisg1642 04/11/08,pd 06/15/01,r			Scr:	Alpha:	Beta:

Comments:

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

KTK981AD-SAMP Constituent List:

U-232	RDL:	pCi/L	LCL:20	UCL:105	RPD:20	U-234	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:
U-235	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:	U-238	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:

KT72L1AA-BLK:

U-232	RDL:	pCi/L	LCL:20	UCL:105	RPD:20	U-234	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:
U-235	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:	U-238	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:

KT72L1AC-LCS:

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

KTK981AD-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KT72L1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KT72L1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

TESTAMERICA LABORATORIES, INC.

9/8/2008 12:59:56 PM

ICOC Fraction Transfer/Status Report

ByDate: 9/9/2007, 9/13/2008, Batch: '8228255', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8228255						
AC		**Rev1C**	**BockJ**	8/19/2008 1:57:11 PM		
SC			antonsonl	IsBatched	8/19/2008 10:39:41 AM	ICOC_RADCALC v4.8.34
SC			BockJ	InPrep	8/19/2008 1:57:11 PM	rl-prp-004 revision 0
SC			BockJ	Prep1C	8/19/2008 2:09:56 PM	RL-PRP-004 REVISION 0
SC			AshworthA	Prep2C	8/20/2008 12:29:27 PM	PRP-010 REVISION 0
SC			AshworthA	Sep1C	8/25/2008 9:49:04 AM	ALP-004 REVISION 0
SC			AshworthA	Sep2C	8/25/2008 2:42:10 PM	ALP-015 REVISION 0
SC			DAWKINSO	InCnt1	8/25/2008 4:00:52 PM	RL-CI-008 REVISION 0
SC			DAWKINSO	CalcC	8/25/2008 9:55:12 PM	RL-CI-008 REVISION 0
SC			AshworthA	Sep1C	9/3/2008 10:20:58 AM	ALP-004 REVISION 0
SC			AshworthA	Sep2C	9/3/2008 7:32:57 PM	ALP-015 REVISION 0
SC			DAWKINSO	InCnt1	9/3/2008 8:07:10 PM	RL-CI-008 REVISION 0
SC			nortonj	Rev1C	9/8/2008 12:59:47 PM	RL-DR-001 REV 0
AC			**BockJ**	8/19/2008 2:09:56 PM		
AC			**AshworthA**	8/20/2008 12:29:27		
AC			**AshworthA**	8/25/2008 9:49:04		
AC			**AshworthA**	8/25/2008 2:42:10 PM		
AC			**DAWKINSO**	8/25/2008 4:00:52 PM		
AC			**DAWKINSO**	8/25/2008 9:55:12 PM		
AC			**AshworthA**	9/3/2008 10:20:58		
AC			**AshworthA**	9/3/2008 7:32:57 PM		
AC			**DAWKINSO**	9/3/2008 8:07:10 PM		
AC			**nortonj**	9/8/2008 12:59:47 PM		

AC: Accepting Entry; SC: Status Change

TestAmerica Richland

Richland Wa.

Grp Rec Cnt: 11

ICOCFractions v4.8.34

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

RE-ANALYSIS REQUEST

DUE DATE 9/10/08

CUSTOMER PGW

ANALAYSIS Np237

MATRIX water

LOT NUMBER J8H0D18e

SAMPLE DELIVERY GROUP

OLD BATCH NUMBER 8238756

NEW BATCH NUMBER 8238307

LAB SAMPLE ID	CLIENT ID	REASON FOR REQUEST & ANALYSIS COMMENTS
1) all		low precip.
2)		
3)		
4)		
5)		
6)		
7)		
8)		
9)		
10)		
11)		
12)		
13)		
14)		
15)		
16)		
17)		
18)		
19)		
20)		
LAB QC ID		Assigned with new batch.

RC-048, 12/07, Rev 8

8/25/2008 4:13:36 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

KO Np-237 PrpRC5086, SepRC5064(5003)
XW Neptunium-237 with tracer by alpha spec
5I CLIENT: HANFORD

Balance Id:1120482733
Pipet #: 9/2/08 7:32:04

AnalyDueDate: 09/10/2008

Batch: 8238307 WATER pCi/L PM, Quote: SS , 57671
SEQ Batch, Test: None

Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech: ,LaneL

Work Ord, Lot, Sample Date	Total Amt /Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KTK99-2-AA J8H040186-2-SAMP 07/31/2008 14:39			200.10g,in AmtRec: VIAL20,4XLP	200.10g #Containers: 5	NPTA7132 08/25/08,pd 06/01/01,r			200				Scr: Alpha: 3.93E-03 uCi/Sa 1.8E-01L Beta: 8.84E-03 uCi/Sa 4.1E-02L
2 KTLAF-2-AA J8H040186-4-SAMP 07/31/2008 14:39			200.00g,in AmtRec: VIAL20,LP	200.00g #Containers: 2	NPTA7133 08/25/08,pd 06/01/01,r							Scr: Alpha: 5.41E-04 uCi/Sa 3.3E-01L Beta: 2.47E-03 uCi/Sa 3.6E-02L
3 KTLAH-2-AA J8H040186-5-SAMP 08/03/2008 08:48			200.10g,in AmtRec: VIAL20,LP	200.10g #Containers: 2	NPTA7134 08/25/08,pd 06/01/01,r							Scr: Alpha: -3.74E-05 uCi/Sa Beta: 1.36E-03 uCi/Sa 6.6E-02L
4 KTLAH-2-AC-X J8H040186-5-DUP 08/03/2008 08:48			200.00g,in AmtRec: VIAL20,LP	200.00g #Containers: 2	NPTA7135 08/25/08,pd 06/01/01,r							Scr: Alpha: -3.74E-05 uCi/Sa Beta: 1.36E-03 uCi/Sa 6.6E-02L
5 KTP0G-2-AA J8H060299-1-SAMP 08/05/2008 15:18			200.10g,in AmtRec: VIAL20,6XLP,3X4LP	200.10g #Containers: 10	NPTA7136 08/25/08,pd 06/01/01,r							Scr: Alpha: -3.26E-03 uCi/Sa Beta: 4.45E-03 uCi/Sa
6 KTP0K-2-AA J8H060299-2-SAMP 08/05/2008 12:00			200.00g,in AmtRec: VIAL20,6XLP,3X4LP	200.00g #Containers: 10	NPTA7137 08/25/08,pd 06/01/01,r							Scr: Alpha: -2.07E-04 uCi/Sa Beta: 1.09E-03 uCi/Sa
7 KTR2V-2-AA J8H070330-1-SAMP 08/07/2008 08:54			199.90g,in AmtRec: VIAL20,4XLP,3X4LP	199.90g #Containers: 8	NPTA7138 08/25/08,pd 06/01/01,r							Scr: Alpha: 9.38E-03 uCi/Sa 3.1E-01L Beta: 2.75E-03 uCi/Sa

TESTAMERICA LABORATORIES, INC.

8/25/2008 4:13:37 PM

Sample Preparation/Analysis

Balance Id:1120482733

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

KO Np-237 PrpRC5086, SepRC5064(5003)
XW Neptunium-237 with tracer by alpha spec
5I CLIENT: HANFORD

Pipet #:

AnalyDueDate: 09/10/2008

Sep1 DT/Tm Tech:

Batch: 8238307 WATER pCi/L PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,LaneL

Work Ord, Lot, Sample Date	Total Amt /Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 KTR2W-2-AA			200.00g,in	200.00g	NPTA7139			200				
J8H070330-2-SAMP					08/25/08,pd 06/01/01,r							
08/07/2008 11:42			AmtRec: VIAL20,4XLP,3X4LP		#Containers: 8				Scr:	Alpha: 5.59E-03 uCi/Sa		Beta: 1.52E-03 uCi/Sa
9 KT72M-2-AA-B			200.10g,in	200.10g	NPTA7140							
J8H150000-256-BLK					08/25/08,pd 06/01/01,r							
08/03/2008 08:48			AmtRec:		#Containers: 1				Scr:	Alpha:		Beta:
10 KT72M-2-AC-C			200.00g,in	200.00g	NPSE0481							
J8H150000-256-LCS					07/14/08,pd 06/01/01,r							
08/03/2008 08:48			AmtRec:		#Containers: 1				Scr:	Alpha:		Beta:

Comments:

PH<2.0. RJR 82508

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

KTK992AA-SAMP Constituent List:

KT72M2AA-BLK:

KT72M2AC-LCS:

KTK992AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT72M2AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT72M2AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

TESTAMERICA LABORATORIES, INC. 25/110

8/25/2008 4:13:38 PM

Sample Preparation/Analysis

KO Np-237 PrpRC5086, SepRC5064(5003)
XW Neptunium-237 with tracer by alpha spec
5I CLIENT: HANFORD

Balance Id:1120482733

Pipet #: _____

AnalyDueDate: 09/10/2008

Sep1 DT/Tm Tech:

Batch: 8238307 pCi/L

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,LaneL

Work Ord, Lot, Sample Date	Total Amt /Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:

Approved By _____ Date: _____

9/5/2008 2:50:09 PM

ICOC Fraction Transfer/Status Report

ByDate: 9/6/2007, 9/10/2008, Batch: '8238307', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8238307						
AC		**Rev1C**	**LaneL**	8/25/2008 11:09:43		
SC			antonsonl	IsBatched	8/25/2008 10:26:28 AM	ICOC_RADCALC v4.8.34
SC			LaneL	InPrep	8/25/2008 11:09:43 AM	RL-PRP-004 REVISION 0
SC			LaneL	Prep1C	8/25/2008 4:13:45 PM	RL-PRP-004 REVISION 0
SC			Barcotl	InPrep2	9/2/2008 4:37:30 PM	RL-PRP-010 REVISION 0
SC			Barcotl	Prep2C	9/2/2008 4:37:42 PM	RL-PRP-010 REVISION 0
SC			Barcotl	InSep1	9/2/2008 4:37:58 PM	RL-ALP-006 REVISION 0
SC			Barcotl	Sep1C	9/2/2008 4:38:09 PM	RL-ALP-006 REVISION 0
SC			DAWKINSO	InCnt1	9/2/2008 8:31:18 PM	RL-CI-008 REVISION 0
SC			ClarkR	CalcC	9/3/2008 7:36:26 AM	RL-CI-008 REVISION 0
SC			nortonj	Rev1C	9/5/2008 2:49:58 PM	RL-DR-001 REV 0
AC			**LaneL**	8/25/2008 4:13:45 PM		
AC			**Barcotl**	9/2/2008 4:37:30 PM		
AC			**Barcotl**	9/2/2008 4:37:42 PM		
AC			**Barcotl**	9/2/2008 4:37:58 PM		
AC			**Barcotl**	9/2/2008 4:38:09 PM		
AC			**DAWKINSO**	9/2/2008 8:31:18 PM		
AC			**ClarkR**	9/3/2008 7:36:26 AM		
AC			**nortonj**	9/5/2008 2:49:58 PM		

AC: Accepting Entry; SC: Status Change

TestAmerica Richland

Richland Wa.

Page 1

Grp Rec Cnt: 9

ICOCFractions v4.8.34

8/21/2008 4:11:40 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

CL Sr-90 Prp/SepRC5006(5071)
TL Sr-85 by NaI and Sr-90 by GPC 7 day ingrowth
5I CLIENT: HANFORD

AnalyDueDate: 09/10/2008 W05475

Batch: 8228271 WATER pCi/L
SEQ Batch, Test: None

PM, Quote: SS , 57671

Balance Id:1120482733
Pipet #:
Sep1 DT/Tm Tech: 8-22-08 1305 Am
Sep2 DT/Tm Tech: 8-29-08 8:08:12
Prep Tech: ,LaneL

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Tracer Yield	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KTK99-1-AC J8H040186-2-SAMP YTA19035 Ex:4/28/2009 07/31/2008 14:39	AmtRec: VIAL20,4XLP	1000.00g,in	SRTB16311 1.719 07/15/08,pd 2.0762	0.8780	22.8	#Containers: 5	100	9" 25 -A SA	1455 0637 0809 0544	8/22/08 OF 8/31/08 8/31/08	Scr: Alpha: 3.93E-03 uCi/Sa 1.8E-01L Beta: 8.84E-03 uCi/Sa 4.1E-02L
2 KTK99-1-AD-X J8H040186-2-DUP YTA19036 Ex:4/28/2009 07/31/2008 14:39	AmtRec: VIAL20,4XLP	1000.00g,in	SRTB16312 1.891 07/15/08,pd 2.0762	0.908	23.2	#Containers: 5		9" 26 SB SB	1455 0637 0809 0544	8/22/08 8/31/08 8/31/08	Scr: Alpha: 3.93E-03 uCi/Sa 1.8E-01L Beta: 8.84E-03 uCi/Sa 4.1E-02L
3 KT720-1-AA-B J8H150000-271-BLK YTA19037 Ex:4/28/2009 07/31/2008 14:39	AmtRec:	1000.00g,in	SRTB16313 1.762 07/15/08,pd 2.0762	0.8487 0.8487	23.2	#Containers: 1		9" SC 6A	1533 0809 ~~0809~~ 0637	8/22/08 8/31/08 8/31/08	Scr: Alpha: 8/31/08 Beta:
4 KT720-1-AC-C J8H150000-271-LCS YTA19038 Ex:4/28/2009 07/31/2008 14:39	AmtRec:	1000.10g,in	SRSG1492 1.928 07/23/08,pd 2.0338	0.9480	23.3	#Containers: 1		3" 6B 6B	1533 0809 ~~0544~~ 0637	8/22/08 8/31/08 8/31/08	Scr: Alpha: 8/31/08 Beta:

TESTAMERICA LABORATORIES, INC.

8/21/2008 4:11:41 PM

Sample Preparation/Analysis

CL Sr-90 Prp/SepRC5006(5071)
TL Sr-85 by NaI and Sr-90 by GPC 7 day ingrowth
5I CLIENT: HANFORD

Balance Id:1120482733
Pipet #:
Sep1 DT/Tm Tech: 8-22-08 1305 bm
Sep2 DT/Tm Tech:
Prep Tech: ,LaneL

AnalyDueDate: 09/10/2008

Batch: 8228271 pCi/L
SEQ Batch, Test: None

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Tracer Yield	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:

Comments:

Ppt < 2.0. [illegible] 8 21 08

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

KTK991AC-SAMP Constituent List:

Sr-85	RDL:	pCi/L	LCL:20	UCL:105	RPD:20	Sr-90	RDL:2	pCi/L	LCL:70	UCL:130	RPD:20

KT7201AA-BLK:

Sr-85	RDL:	pCi/L	LCL:20	UCL:105	RPD:20	Sr-90	RDL:2	pCi/L	LCL:	UCL:	RPD:

KT7201AC-LCS:

Sr-85	RDL:	pCi/L	LCL:20	UCL:105	RPD:20	Sr-90	RDL:2	pCi/L	LCL:70	UCL:130	RPD:20

KTK991AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT7201AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT7201AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

TESTAMERICA LABORATORIES, INC.

9/3/2008 8:34:13 AM

ICOC Fraction Transfer/Status Report

ByDate: 9/4/2007, 9/8/2008, Batch: '8228271', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8228271						
AC		Rev1C	LaneL	8/21/2008 3:56:58 PM		
SC			antonsonl	IsBatched	8/19/2008 10:41:42 AM	ICOC_RADCALC v4.8.34
SC			LaneL	InPrep	8/21/2008 3:56:58 PM	rl-prp-004 revision 0
SC			LaneL	Prep1C	8/21/2008 4:11:52 PM	RL-PRP-004 REVISION 0
SC			ManisD	InSep1	8/22/2008 7:02:50 AM	RL-GPC-003 REV 0
SC			McDowellD	InSep1	8/22/2008 11:40:04 AM	RL-GPC-003 REVISION 0
SC			ClarkR	InCnt1	8/22/2008 2:13:51 PM	RL-CI-007 REVISION 0
SC			DAWKINSO	Cnt1C	8/22/2008 4:03:35 PM	RL-CI-007 REVISION 0
SC			ManisD	InSep2	8/28/2008 10:13:16 AM	RL-GPC-004
SC			ManisD	Sep2C	8/29/2008 11:13:45 AM	RL-GPC-004 REV 0
SC			BlackCL	InCnt1	8/29/2008 11:46:37 AM	RL-CI-006 REVISION 0
SC			BlackCL	CalcC	8/31/2008 7:33:46 AM	RL-CI-006 REVISION 0
SC			nortonj	Rev1C	9/3/2008 8:34:03 AM	RL-DR-001 REV 8
AC			LaneL	8/21/2008 4:11:52 PM		
AC			ManisD	8/22/2008 7:02:50		
AC			McDowellD	8/22/2008 11:40:04		
AC			ClarkR	8/22/2008 2:13:51 PM		
AC			DAWKINSO	8/22/2008 4:03:35 PM		
AC			ManisD	8/28/2008 10:13:16		rev 0
AC			ManisD	8/29/2008 11:13:45		
AC			BlackCL	8/29/2008 11:46:37		
AC			BlackCL	8/31/2008 7:33:46		
AC			nortonj	9/3/2008 8:34:03 AM		

AC: Accepting Entry; SC: Status Change

TestAmerica Richland

Richland Wa.

Grp Rec Cnt: 11

ICOCFractions v4.8.34

TESTAMERICA LABORATORIES, INC.

8/22/2008 11:17:11 AM

Sample Preparation/Analysis

Balance Id:1120482733

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AW Gamma PrpRC5017
TA Gamma by HPGE
5I CLIENT: HANFORD

Pipet #: _____

AnalyDueDate: 09/10/2008 W05475

Sep1 DT/Tm Tech:

Batch: 8228258 WATER pCi/L

PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,LaneL Back J.

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KTK98-1-AA J8H040186-1-SAMP 07/31/2008 14:39		2000.00g,in AmtRec: VIAL20,LP,3X4LP #Containers: 5			100mL	200	G14	1215	8/27/08	Scr: Alpha: 1.64E-02 uCi/Sa 1.4E-01L Beta: 2.66E-02 uCi/Sa 4.4E-02L
2 KTLAC-1-AA J8H040186-3-SAMP 07/31/2008 14:39		2000.00g,in AmtRec: VIAL20,LP,3X4LP #Containers: 5					G8	1216		Scr: Alpha: 1.11E-02 uCi/Sa 2.1E-01L Beta: 2.80E-02 uCi/Sa 4.2E-02L
3 KTLAC-1-AE-X J8H040186-3-DUP 07/31/2008 14:39		1900.00g,in AmtRec: VIAL20,LP,3X4LP #Containers: 5					G6	1216		Scr: Alpha: 1.11E-02 uCi/Sa 2.1E-01L Beta: 2.80E-02 uCi/Sa 4.2E-02L
4 KTLAK-1-AA J8H040186-6-SAMP 08/03/2008 08:48		2000.10g,in AmtRec: VIAL20,LP,3X4LP #Containers: 5					G13	1217		Scr: Alpha: 1.82E-03 uCi/Sa Beta: 1.46E-02 uCi/Sa 8.0E-02L
5 KTLAM-1-AA J8H040186-7-SAMP 07/31/2008 11:44		2000.00g,in AmtRec: VIAL20,4LP #Containers: 2					G5	0924	8/28/08	Scr: Alpha: 5.11E-04 uCi/Sa Beta: 2.17E-05 uCi/Sa
6 KTP0G-1-AD J8H060299-1-SAMP 08/05/2008 15:18		2000.00g,in AmtRec: VIAL20,6XLP,3X4LP #Containers: 10					G5	0924		Scr: Alpha: -3.26E-03 uCi/Sa Beta: 4.45E-03 uCi/Sa
7 KTP0K-1-AD J8H060299-2-SAMP 08/05/2008 12:00		2000.00g,in AmtRec: VIAL20,6XLP,3X4LP #Containers: 10					G11	0925		Scr: Alpha: -2.07E-04 uCi/Sa Beta: 1.09E-03 uCi/Sa

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TestAmerica Richland Wa.

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

Page 1

ISV - Insufficient Volume for Analysis

WO Cnt: 7

Prep_SamplePrep v4.8.34

8/22/2008 11:17:12 AM

Sample Preparation/Analysis

Balance Id:1120482733

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AW Gamma PrpRC5017
TA Gamma by HPGE
5I CLIENT: HANFORD

Pipet #:

AnalyDueDate: 09/10/2008

Sep1 DT/Tm Tech:

Batch: 8228258 WATER pCi/L PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,LaneL

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 KTP06-1-AA J8H060303-1-SAMP 08/06/2008 10:38		2000.00g,in AmtRec: VIAL20,3XLP,4LP #Containers: 5			100mls	200	614	0925	8/28/08 S	Scr: Alpha: 1.23E-03 uCi/Sa Beta: 1.04E-03 uCi/Sa
9 KTP1A-1-AA J8H060303-2-SAMP 08/06/2008 11:56		2000.00g,in AmtRec: VIAL20,3XLP,4LP #Containers: 5					67	0925		Scr: Alpha: 2.17E-03 uCi/Sa Beta: 1.11E-03 uCi/Sa
10 KTP6J-1-AA J8H060318-2-SAMP 08/06/2008 11:15		2000.00g,in AmtRec: VIAL20,3XLP,4LP #Containers: 5					68	0925		Scr: Alpha: -7.11E-04 uCi/Sa Beta: 1.80E-03 uCi/Sa
11 KTP6T-1-AA J8H060318-3-SAMP 08/06/2008 11:57		2000.00g,in AmtRec: VIAL20,4LP #Containers: 2					66	0925		Scr: Alpha: 1.70E-03 uCi/Sa Beta: 6.81E-04 uCi/Sa
12 KTP6V-1-AA J8H060318-4-SAMP 08/06/2008 10:02		2000.00g,in AmtRec: VIAL20,4LP #Containers: 2					613	0926		Scr: Alpha: 1.33E-03 uCi/Sa Beta: 6.34E-04 uCi/Sa
13 KTR2V-1-AE J8H070330-1-SAMP 08/07/2008 08:54		2000.00g,in AmtRec: VIAL20,4XLP,3X4LP #Containers: 8					610	0944		Scr: Alpha: 9.38E-03 uCi/Sa 3.1E-01L Beta: 2.75E-03 uCi/Sa
14 KTR2W-1-AE J8H070330-2-SAMP 08/07/2008 11:42		2000.00g,in AmtRec: VIAL20,4XLP,3X4LP #Containers: 8					610	1308	8/28/08	Scr: Alpha: 5.59E-03 uCi/Sa Beta: 1.52E-03 uCi/Sa

TESTAMERICA LABORATORIES, INC.

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TESTAMERICA LABORATORIES, INC. - 118

8/22/2008 11:17:13 AM

Sample Preparation/Analysis

Balance Id:1120482733

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AW Gamma PrpRC5017
TA Gamma by HPGE
5I CLIENT: HANFORD

Pipet #: _____

AnalyDueDate: 09/10/2008

Sep1 DT/Tm Tech:

Batch: 8228258 **WATER** **pCi/L** **PM, Quote: SS , 57671**

SEQ Batch, Test: None

Sep2 DT/Tm Tech:

Prep Tech: ,LaneL

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
15 KTR20-1-AA J8H070330-3-SAMP 08/07/2008 12:52		2000.00g,in AmtRec: VIAL20,3X4LP #Containers: 4			100.mls	200	G10	1700	8/28/08 MC Scr: Alpha: -1.49E-03 uCi/Sa Beta: 2.72E-03 uCi/Sa	
16 KT72Q-1-AA-B J8H150000-258-BLK 07/31/2008 14:39		2000.00g,in AmtRec: #Containers: 1					G10	2046	8/28/08 00 Scr: Alpha: Beta:	
17 KT72Q-1-AC-C J8H150000-258-LCS 07/31/2008 14:39		2000.00g,in AmtRec: #Containers: 1	QCAG1500 07/29/08,pd 06/08/05 r				G10	0157	Scr: Alpha: Beta:	

Comments:

PH<2.0, REDUCED VOL ON DUP D/T ISV. 82208

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

KTK981AA-SAMP Constituent List:

Co-60	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:	Cs-134	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:
Cs-137	RDL:6.00E+00	pCi/L	LCL:70	UCL:130	RPD:20	Cs-137DA	RDL:6.00E+00	pCi/L	LCL:70	UCL:130	RPD:20
Eu-154	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:	Eu-155	RDL:.00E+00	pCi/L	LCL:	UCL:	RPD:
K-40	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:	Sb-125	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:

KT72Q1AA-BLK:

Co-60	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:	Cs-134	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:
Cs-137	RDL:6.00E+00	pCi/L	LCL:	UCL:	RPD:	Cs-137DA	RDL:6.00E+00	pCi/L	LCL:	UCL:	RPD:
Eu-154	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:	Eu-155	RDL:.00E+00	pCi/L	LCL:	UCL:	RPD:
K-40	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:	Sb-125	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:

KT72Q1AC-LCS:

Cs-137	RDL:15	pCi/L	LCL:70	UCL:130	RPD:20	Cs-137DA	RDL:15	pCi/L	LCL:70	UCL:130	RPD:20

8/22/2008 11:17:13 AM

Sample Preparation/Analysis

AW Gamma PrpRC5017
TA Gamma by HPGE
5I CLIENT: HANFORD

Balance Id:1120482733

Pipet #: _____

AnalyDueDate: 09/10/2008

Sep1 DT/Tm Tech:

Batch: 8228258 pCi/L
SEQ Batch, Test: None

Sep2 DT/Tm Tech:

Prep Tech: ,LaneL

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:

K-40	RDL:6	pCi/L	LCL:70	UCL:130	RPD:20	Ra-226	RDL:--	pCi/L	LCL:70	UCL:130	RPD:20
RA-228	RDL:--	pCi/L	LCL:70	UCL:130	RPD:20	RA-228DA	RDL:--	pCi/L	LCL:70	UCL:130	RPD:20
U-238	RDL:--	pCi/L	LCL:70	UCL:130	RPD:20						

KTK981AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KT72Q1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KT72Q1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

8/29/2008 2:32:14 PM

ICOC Fraction Transfer/Status Report

ByDate: 8/30/2007, 9/3/2008, Batch: '8228258', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8228258						
AC		Rev1C	LaneL	8/22/2008 10:22:47		
SC			antonsonl	IsBatched	8/19/2008 10:56:33 AM	ICOC_RADCALC v4.8.34
SC			LaneL	InPrep	8/22/2008 10:22:47 AM	RL-PRP-004 REVISION 0
SC			LaneL	Prep1C	8/22/2008 11:17:21 AM	RL-PRP-004 REVISION 0
SC			BockJ	InPrep2	8/25/2008 7:44:19 AM	RL-GAM-001 REVISION 0
SC			BockJ	Prep2C	8/26/2008 2:28:40 PM	RL-GAM-001 REVISION 0
SC			BlackCL	InCnt1	8/26/2008 2:30:40 PM	RL-CI-007 REVISION 0
SC			BlackCL	CalcC	8/29/2008 6:53:51 AM	RL-CI-007 REVISION 0
SC			nortonj	Rev1C	8/29/2008 2:32:02 PM	RL-DR-001 REV 0
AC			LaneL	8/22/2008 11:17:21		
AC			BockJ	8/25/2008 7:44:19		
AC			BockJ	8/26/2008 2:28:40 PM		
AC			BlackCL	8/26/2008 2:30:40 PM		
AC			BlackCL	8/29/2008 6:53:51		
AC			nortonj	8/29/2008 2:32:02 PM		

AC: Accepting Entry; SC: Status Change

TestAmerica Richland

Richland Wa.

Grp Rec Cnt: 7

ICOCFractions v4.8.34

8/21/2008 11:11:57 AM

Sample Preparation/Analysis

Balance Id:1120482733

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

BN I-129 Prp/SepRC5025
TB Gamma by LEPD
5I CLIENT: HANFORD

Pipet #: _____

AnalyDueDate: 09/10/2008 W05475

Sep1 DT/Tm Tech:

Batch: 8228262 WATER pCi/L

PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,LaneL HarrisD

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KTK98-1-AC J8H040186-1-SAMP 07/31/2008 14:39	AmtRec: VIAL20,LP,3X4LP #Containers: 5	3884.50g,in	ITA7499 07/23/08		34.0	100	L2	1330	9/3/08 mc Scr: Alpha: 1.64E-02 uCi/Sa 1.4E-01L Beta: 2.66E-02 uCi/Sa 4.4E-02L	
2 KTLAC-1-AC J8H040186-3-SAMP 07/31/2008 14:39	AmtRec: VIAL20,LP,3X4LP #Containers: 5	3872.50g,in	ITA7500 07/23/08		36.1		L5	1330	Scr: Alpha: 1.11E-02 uCi/Sa 2.1E-01L Beta: 2.80E-02 uCi/Sa 4.2E-02L	
3 KTLAK-1-AC J8H040186-6-SAMP 08/03/2008 08:48	AmtRec: VIAL20,LP,3X4LP #Containers: 5	3888.10g,in	ITA7501 07/23/08		35.6		L2	1514	9/3/08 mc Scr: Alpha: 1.82E-03 uCi/Sa Beta: 1.46E-02 uCi/Sa 8.0E-02L	
4 KTP0G-1-AE J8H060299-1-SAMP 08/05/2008 15:18	AmtRec: VIAL20,6XLP,3X4LP #Containers: 10	3829.60g,in	ITA7502 07/23/08		35.6		L5	1515	Scr: Alpha: -3.26E-03 uCi/Sa Beta: 4.45E-03 uCi/Sa	
5 KTP0K-1-AE J8H060299-2-SAMP 08/05/2008 12:00	AmtRec: VIAL20,6XLP,3X4LP #Containers: 10	3744.60g,in	ITA7503 07/23/08		35.0		L2	1742	9/3/08 mc Scr: Alpha: -2.07E-04 uCi/Sa Beta: 1.09E-03 uCi/Sa	
6 KTR2V-1-AF J8H070330-1-SAMP 08/07/2008 08:54	AmtRec: VIAL20,4XLP,3X4LP #Containers: 8	3869.60g,in	ITA7504 07/23/08		35.1		L5	1743	Scr: Alpha: 9.38E-03 uCi/Sa 3.1E-01L Beta: 2.75E-03 uCi/Sa	
7 KTR2W-1-AF J8H070330-2-SAMP 08/07/2008 11:42	AmtRec: VIAL20,4XLP,3X4LP #Containers: 8	3863.80g,in	ITA7505 07/23/08		35.1		L2	1727	Scr: Alpha: 5.59E-03 uCi/Sa Beta: 1.52E-03 uCi/Sa	

TestAmerica Richland Wa.

Key: In - Initial Amt, fi - Final Amt, dl - Diluted Amt, s1 - Sep1, s2 - Sep2 pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added

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ISV - Insufficient Volume for Analysis

WO Cnt: 7

Prep_SamplePrep v4.8.34

TESTAMERICA LABORATORIES, INC.

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TESTAMERICA LABORATORIES, INC.

8/21/2008 11:11:58 AM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

BN I-129 Prp/SepRC5025
TB Gamma by LEPD
5I CLIENT: HANFORD

Balance Id:1120482733
Pipet #:

AnalyDueDate: 09/10/2008

Sep1 DT/Tm Tech:

Batch: 8228262 WATER pCi/L
SEQ Batch, Test: None

PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

Prep Tech: ,LaneL

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 KTR20-1-AC J8H070330-3-SAMP 08/07/2008 12:52		3890.10g,in AmtRec: VIAL20,3X4LP	ITA7506 07/23/08 #Containers: 4		35.7	100	L5	1928	9/3/08	
							Scr:	Alpha: -1.49E-03 uCi/Sa		Beta: 2.72E-03 uCi/Sa
9 KT0CN-1-AA J8H110167-1-SAMP 08/10/2008 12:32		3892.60g,in AmtRec: VIAL20,2X4LP	ITA7507 07/23/08 #Containers: 3		36.6		L2	2125		
							Scr:	Alpha: 1.12E-04 uCi/Sa		Beta: 9.36E-04 uCi/Sa
10 KT0CN-1-AC-X J8H110167-1-DUP 08/10/2008 12:32		3897.30g,in AmtRec: VIAL20,2X4LP	ITA7508 07/23/08 #Containers: 3		36.1		L5	2145		
							Scr:	Alpha: 1.12E-04 uCi/Sa		Beta: 9.36E-04 uCi/Sa
11 KT0CR-1-AA J8H110167-2-SAMP 08/10/2008 12:32		3907.50g,in AmtRec: VIAL20,2X4LP	ITA7509 07/23/08 #Containers: 3		39.6		L2 2307			
							Scr:	Alpha: 1.33E-04 uCi/Sa		Beta: 1.02E-03 uCi/Sa
12 KT72T-1-AA-B J8H150000-262-BLK 08/10/2008 12:32		3988.50g,in AmtRec:	ITA7510 07/23/08 #Containers: 1		35.8		L5	2024		
							Scr:	Alpha:		Beta:
13 KT72T-1-AC-C J8H150000-262-LCS 08/10/2008 12:32		3999.80g,in AmtRec:	ISD0868 07/29/08 #Containers: 1		38.2		L2	2050		
							Scr:	Alpha:		Beta:

8/21/2008 11:11:59 AM

Sample Preparation/Analysis

BN I-129 Prp/SepRC5025
TB Gamma by LEPD
5I CLIENT: HANFORD

Balance Id:1120482733

Pipet #: _____

Sep1 DT/Tm Tech:

Sep2 DT/Tm Tech:

Prep Tech: ,LaneL

AnalyDueDate: 09/10/2008

Batch: 8228262 pCi/L
SEQ Batch, Test: None

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:

Comments:

LJL 8 21 08
DH 8/21/08

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

KTK981AC-SAMP Constituent List:
I-129 RDL:1.00E+00 pCi/L LCL: UCL: RPD:
KT72T1AA-BLK:
I-129 RDL:1.00E+00 pCi/L LCL: UCL: RPD:
KT72T1AC-LCS:
I-129 RDL:5 pCi/L LCL:70 UCL:130 RPD:20

KTK981AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT72T1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT72T1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

9/8/2008 12:51:15 PM

ICOC Fraction Transfer/Status Report

ByDate: 9/9/2007, 9/13/2008, Batch: '8228262', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8228262						
AC		Rev1C	LaneL	8/21/2008 9:41:53		
SC			antonsonl	IsBatched	8/19/2008 10:41:42 AM	ICOC_RADCALC v4.8.34
SC			LaneL	InPrep	8/21/2008 9:41:53 AM	rl-prp-004 revision 0
SC			LaneL	Prep1C	8/21/2008 11:12:25 AM	RL-COC-002 REVISION 0
SC			BostedD	InPrep2	8/25/2008 10:59:20 AM	RL-GAM-002 REVISION 0
SC			ClarkR	InCnt1	9/3/2008 11:50:11 AM	RL-CI-007 REVISION 0
SC			BlackCL	CalcC	9/4/2008 6:19:40 AM	RL-CI-007 REVISION 0
SC			nortonj	Rev1C	9/8/2008 12:51:04 PM	RL-DR-001 REV 0
AC			LaneL	8/21/2008 11:12:25		
AC			BostedD	8/25/2008 10:59:20		
AC			ClarkR	9/3/2008 11:50:11		
AC			BlackCL	9/4/2008 6:19:40 AM		
AC			nortonj	9/8/2008 12:51:04 PM		

AC: Accepting Entry; SC: Status Change

TestAmerica Richland

Richland Wa.

Page 1

Grp Rec Cnt: 6

ICOCFractions v4.8.34

8/19/2008 1:44:34 PM

Sample Preparation/Analysis

Balance Id:1120373922

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

CY Se-79 PrpRC5016, SepRC5043
TM Selenium-79 by Liquid Scint
5I CLIENT: HANFORD

Pipet #: _____

AnalyDueDate: 09/10/2008

Sep1 DT/Tm Tech:

Batch: 8228272 WATER pCi/L PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,BockJ

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Tracer Yield	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KTP0G-1-AF J8H060299-1-SAMP 08/05/2008 15:18		200.76g,in AmtRec: VIAL20,6XLP,3X4LP	SETA0309 08/06/08 #Containers: 10		50			Scr: Alpha: -3.26E-03 uCi/Sa	Beta: 4.45E-03 uCi/Sa
2 KTP0K-1-AF J8H060299-2-SAMP 08/05/2008 12:00		199.38g,in AmtRec: VIAL20,6XLP,3X4LP	SETA0310 08/06/08 #Containers: 10					Scr: Alpha: -2.07E-04 uCi/Sa	Beta: 1.09E-03 uCi/Sa
3 KTP0K-1-AH-X J8H060299-2-DUP 08/05/2008 12:00		199.23g,in AmtRec: VIAL20,6XLP,3X4LP	SETA0311 08/06/08 #Containers: 10					Scr: Alpha: -2.07E-04 uCi/Sa	Beta: 1.09E-03 uCi/Sa
4 KT723-1-AA-B J8H150000-272-BLK 08/05/2008 12:00		199.44g,in AmtRec:	SETA0312 08/06/08 #Containers: 1					Scr: Alpha:	Beta:
5 KT723-1-AC-BN J8H150000-272-IBLK 08/05/2008 12:00		AmtRec:	SETA0314 #Containers: 1					Scr: Alpha:	Beta:

Comments: pH < 2.0 JB 8-19-08

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

KTP0G1AF-SAMP Constituent List:
Se-79 RDL:3.00E+01 pCi/L LCL: UCL: RPD:

TestAmerica Richland Wa. Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added Page 1 ISV - Insufficient Volume for Analysis WO Cnt: 5 Prep_SamplePrep v4.8.34

8/19/2008 1:44:35 PM

Sample Preparation/Analysis

CY Se-79 PrpRC5016, SepRC5043
TM Selenium-79 by Liquid Scint
5I CLIENT: HANFORD

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

AnalyDueDate: 09/10/2008

Batch: 8228272 pCi/L
SEQ Batch, Test: None

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

```
KT7231AA-BLK:
  Se-79        RDL:3.00E+01    pCi/L    LCL:        UCL:        RPD:
KT7231AC-IBLK:
  Se-79        RDL:3.00E+01    pCi/L    LCL:        UCL:        RPD:
KTP0G1AF-SAMP Calc Info:
     Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
KT7231AA-BLK:
     Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
KT7231AC-IBLK:
     Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
```

Approved By _____ Date: _____

9/10/2008 10:42:04 AM

ICOC Fraction Transfer/Status Report

ByDate: 9/11/2007, 9/15/2008, Batch: '8228272', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8228272						
AC		Rev1C	BockJ	8/19/2008 12:55:45		
SC			antonsonl	IsBatched	8/19/2008 10:41:42 AM	ICOC_RADCALC v4.8.34
SC			BockJ	InPrep	8/19/2008 12:55:45 PM	rl-prp-004 revision 0
SC			BockJ	Prep1C	8/19/2008 1:24:29 PM	RL-PRP-004 REVISION 0
SC			Barcotl	InSep1	9/4/2008 8:19:08 AM	RL-LSC-012 REVISION 0
SC			Barcotl	Sep1C	9/4/2008 8:19:20 AM	RL-LSC-012 REVISION 0
SC			BlackCL	CalcC	9/9/2008 11:53:29 AM	RL-CI-005 REVISION 0
SC			antonsonl	Rev1C	9/10/2008 10:41:42 AM	RL-DR-001 REV 0
AC			BockJ	8/19/2008 1:23:35 PM		
AC			BockJ	8/19/2008 1:24:29 PM		
AC			Barcotl	9/4/2008 8:19:08 AM		
AC			Barcotl	9/4/2008 8:19:20 AM		
AC			BlackCL	9/9/2008 11:53:29		
AC			antonsonl	9/10/2008 10:41:42		

AC: Accepting Entry; SC: Status Change

TestAmerica Richland

Richland Wa.

Grp Rec Cnt: 7

ICOCFractions v4.8.34

8/21/2008 1:47:00 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AM Tc-99 Prp/SepRC5078
S5 Technetium-99 by Liquid Scint
5I CLIENT: HANFORD

Balance Id:1120482733
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech: ,LaneL HarrisD

AnalyDueDate: 09/10/2008 1W05475

Batch: 8228269 WATER pCi/L **PM, Quote: SS , 57671**

SEQ Batch, Test: None

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KTP06-1-AC J8H060303-1-SAMP 08/06/2008 10:38		125.00g,in AmtRec: VIAL20,3XLP,4LP #Containers: 5		60			Scr: Alpha: 1.23E-03 uCi/Sa	Beta: 1.04E-03 uCi/Sa
2 KTP06-1-AD-X J8H060303-1-DUP 08/06/2008 10:38		125.00g,in AmtRec: VIAL20,3XLP,4LP #Containers: 5					Scr: Alpha: 1.23E-03 uCi/Sa	Beta: 1.04E-03 uCi/Sa
3 KTP1A-1-AC J8H060303-2-SAMP 08/06/2008 11:56		125.10g,in AmtRec: VIAL20,3XLP,4LP #Containers: 5					Scr: Alpha: 2.17E-03 uCi/Sa	Beta: 1.11E-03 uCi/Sa
4 KTP1A-1-AD-S J8H060303-2-MS 08/06/2008 11:56		125.00g,in AmtRec: VIAL20,3XLP,4LP #Containers: 5	TCSG2154 07/31/08,pd 01/10/06,r				Scr: Alpha: 2.17E-03 uCi/Sa	Beta: 1.11E-03 uCi/Sa
5 KTP56-1-AA J8H060318-1-SAMP 08/06/2008 12:48		125.10g,in AmtRec: VIAL20,3XLP #Containers: 4					Scr: Alpha: -3.89E-04 uCi/Sa	Beta: 5.75E-04 uCi/Sa
6 KTP6J-1-AC J8H060318-2-SAMP 08/06/2008 11:15		124.90g,in AmtRec: VIAL20,3XLP,4LP #Containers: 5					Scr: Alpha: -7.11E-04 uCi/Sa	Beta: 1.80E-03 uCi/Sa
7 KT72W-1-AA-B J8H150000-269-BLK 08/06/2008 10:38		125.00g,in AmtRec: #Containers: 1					Scr: Alpha:	Beta:

8/21/2008 1:47:01 PM

Sample Preparation/Analysis

AM Tc-99 Prp/SepRC5078
S5 Technetium-99 by Liquid Scint
5I CLIENT: HANFORD

Balance Id:1120482733
Pipet #:
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech: ,LaneL

AnalyDueDate: 09/10/2008

Batch: 8228269 pCi/L
SEQ Batch, Test: None

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 KT72W-1-AC-C		125.00g,in	TCSE2244					
J8H150000-269-LCS			07/10/08,pd	60				
08/06/2008 10:38		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
9 KT72W-1-AD-BN								
J8H150000-269-IBLK								
08/06/2008 10:38		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

Comments:

pH < 2.0. 82108
8/21/08

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

KTP061AC-SAMP Constituent List:
Tc-99 RDL:1.50E+01 pCi/L LCL:70 UCL:130 RPD:20
KTP1A1AD-MS:

KT72W1AA-BLK:
Tc-99 RDL:1.50E+01 pCi/L LCL: UCL: RPD:
KT72W1AC-LCS:
Tc-99 RDL:15 pCi/L LCL:70 UCL:130 RPD:20
KT72W1AD-IBLK:
Tc-99 RDL:1.50E+01 pCi/L LCL: UCL: RPD:

KTP061AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KTP1A1AD-MS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT72W1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT72W1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT72W1AD-IBLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

TESTAMERICA LABORATORIES, INC.

8/21/2008 1:47:01 PM

Sample Preparation/Analysis

AM Tc-99 Prp/SepRC5078
S5 Technetium-99 by Liquid Scint
5I CLIENT: HANFORD

AnalyDueDate: 09/10/2008

Batch: 8228269 pCi/L
SEQ Batch, Test: None

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

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

Approved By _____ Date: _____

9/8/2008 12:41:56 PM

ICOC Fraction Transfer/Status Report

ByDate: 9/9/2007, 9/13/2008, Batch: '8228269', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8228269						
AC		Rev1C	LaneL	8/21/2008 1:28:21 PM		
SC			antonsonl	IsBatched	8/19/2008 10:41:42 AM	ICOC_RADCALC v4.8.34
SC			LaneL	InPrep	8/21/2008 1:28:21 PM	rl-prp-004 revision 0
SC			LaneL	Prep1C	8/21/2008 1:47:22 PM	RL-PRP-004 REVISION 0
SC			Barcotl	InSep1	9/4/2008 6:48:08 AM	RL-LSC-013 REVISION 0
SC			Barcotl	Sep1C	9/4/2008 6:48:25 AM	RL-LSC-013 REVISION 0
SC			BlackCL	InCnt1	9/4/2008 6:52:47 AM	RL-CI-005 REVISION 0
SC			BlackCL	CalcC	9/5/2008 6:51:45 AM	RL-CI-005 REVISION 0
SC			nortonj	Rev1C	9/8/2008 12:41:49 PM	RL-DR-001 REV 0
AC			LaneL	8/21/2008 1:47:22 PM		
AC			Barcotl	9/4/2008 6:48:08 AM		
AC			Barcotl	9/4/2008 6:48:25 AM		
AC			BlackCL	9/4/2008 6:52:47 AM		
AC			BlackCL	9/5/2008 6:51:45 AM		
AC			nortonj	9/8/2008 12:41:49 PM		

AC: Accepting Entry; SC: Status Change

8/19/2008 10:41:47 AM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

5S C-14 Prp/SepRC5022
S3 Carbon-14 by Liquid Scint
5I CLIENT: HANFORD

AnalyDueDate: 09/10/2008

Batch: 8228273 **WATER** **pCi/L** **PM, Quote: SS , 57671**
SEQ Batch, Test: None

Balance Id: WiA
Pipet #:
Sep1 DT/Tm Tech: 8-21-08 AM
Sep2 DT/Tm Tech:
Prep Tech:

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KTP0G-1-AC								
J8H060299-1-SAMP								
08/05/2008 15:18		AmtRec: VIAL20,6XLP,3X4LP	#Containers: 10			Scr:	Alpha: -3.26E-03 uCi/Sa	Beta: 4.45E-03 uCi/Sa
2 KTP0G-1-AH-X								
J8H060299-1-DUP								
08/05/2008 15:18		AmtRec: VIAL20,6XLP,3X4LP	#Containers: 10			Scr:	Alpha: -3.26E-03 uCi/Sa	Beta: 4.45E-03 uCi/Sa
3 KTP0K-1-AC								
J8H060299-2-SAMP								
08/05/2008 12:00		AmtRec: VIAL20,6XLP,3X4LP	#Containers: 10			Scr:	Alpha: -2.07E-04 uCi/Sa	Beta: 1.09E-03 uCi/Sa
4 KTR2V-1-AD								
J8H070330-1-SAMP								
08/07/2008 08:54		AmtRec: VIAL20,4XLP,3X4LP	#Containers: 8			Scr:	Alpha: 9.38E-03 uCi/Sa 3.1E-01L	Beta: 2.75E-03 uCi/Sa
5 KTR2W-1-AD								
J8H070330-2-SAMP								
08/07/2008 11:42		AmtRec: VIAL20,4XLP,3X4LP	#Containers: 8			Scr:	Alpha: 5.59E-03 uCi/Sa	Beta: 1.52E-03 uCi/Sa
6 KT724-1-AA-B								
J8H150000-273-BLK								
08/05/2008 15:18		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
7 KT724-1-AC-C								
J8H150000-273-LCS								
08/05/2008 15:18		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

TESTAMERICA LABORATORIES, INC.

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8/19/2008 10:41:48 AM

Sample Preparation/Analysis

5S C-14 Prp/SepRC5022
S3 Carbon-14 by Liquid Scint
5I CLIENT: HANFORD

Balance Id: N/A
Pipet #:
Sep1 DT/Tm Tech: 8-21-08 am
Sep2 DT/Tm Tech:
Prep Tech:

AnalyDueDate: 09/10/2008

Batch: 8228273 pCi/L
SEQ Batch, Test: None

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 KT724-1-AD-BN								
J8H150000-273-IBLK								
08/05/2008 15:18		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

Comments:

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

KTP0G1AC-SAMP Constituent List:
C-14 RDL:2.00E+02 pCi/L LCL:70 UCL:130 RPD:20
KT7241AA-BLK:
C-14 RDL:2.00E+02 pCi/L LCL: UCL: RPD:
KT7241AC-LCS:
C-14 RDL:200 pCi/L LCL:70 UCL:130 RPD:20
KT7241AD-IBLK:
C-14 RDL:2.00E+02 pCi/L LCL: UCL: RPD:

KTP0G1AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT7241AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT7241AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KT7241AD-IBLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

TESTAMERICA LABORATORIES, INC.

8/28/2008 4:15:57 PM

ICOC Fraction Transfer/Status Report

ByDate: 8/29/2007, 9/2/2008, Batch: '8228273', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8228273						
AC		**Rev1C**	**McDowellD**	8/21/2008 9:04:01		
SC			antonsonl	IsBatched	8/19/2008 10:41:42 AM	ICOC_RADCALC v4.8.34
SC			McDowellD	InSep1	8/21/2008 9:04:01 AM	RL-LSC-008 REVISION 0
SC			McDowellD	Sep1C	8/26/2008 8:52:15 AM	RL-LSC-008 REVISION 0
SC			BlackCL	InCnt1	8/26/2008 9:10:11 AM	RL-CI-005 REVISION 0
SC			BlackCL	CalcC	8/27/2008 6:51:44 AM	RL-CI-005 REVISION 0
SC			antonsonl	Rev1C	8/28/2008 4:15:44 PM	RL-DR-001 REV 0
AC			**McDowellD**	8/26/2008 8:52:15		
AC			**BlackCL**	8/26/2008 9:10:11		
AC			**BlackCL**	8/27/2008 6:51:44		
AC			**antonsonl**	8/28/2008 4:15:44 PM		

AC: Accepting Entry; SC: Status Change

TestAmerica Richland

Richland Wa.

Grp Rec Cnt: 5

ICOCFractions v4.8.34

8/6/2008 9:38:51 AM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AnalyDueDate: 09/02/2008

88 NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

Batch: 8219209 **WATER** **mg/L** **PM, Quote: SS , 57671**
SEQ Batch, Test: None

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

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KTMM0-1-AA J8H050269-1-SAMP 08/05/2008 09:01	AmtRec: 20ML,500G	#Containers: 2				Scr:	Alpha:	Beta:
2 KTMM0-1-AC-S J8H050269-1-MS 08/05/2008 09:01	AmtRec: 20ML,500G	#Containers: 2				Scr:	Alpha:	Beta:
3 KTMM0-1-AD-D J8H050269-1-MSD 08/05/2008 09:01	AmtRec: 20ML,500G	#Containers: 2				Scr:	Alpha:	Beta:
4 KTMM0-1-AE-X J8H050269-1-DUP 08/05/2008 09:01	AmtRec: 20ML,500G	#Containers: 2				Scr:	Alpha:	Beta:
5 KTNEC-1-AA-B J8H060000-209-BLK 08/05/2008 09:01	AmtRec:	#Containers: 1				Scr:	Alpha:	Beta:
6 KTNEC-1-AC-C J8H060000-209-LCS 08/05/2008 09:01	AmtRec:	#Containers: 1				Scr:	Alpha:	Beta:

8/6/2008 9:38:51 AM

Sample Preparation/Analysis

88 NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

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

AnalyDueDate: 09/02/2008

Batch: 8219209 mg/L
SEQ Batch, Test: None

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

Comments:

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

KTMM01AA-SAMP Constituent List:
HEXCHROME RDL:0.002 mg/L LCL:85 UCL:115 RPD:20
KTMM01AC-MS Constituent List:

KTMM01AD-MSD:

KTNEC1AA-BLK:

KTNEC1AC-LCS:

KTMM01AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KTMM01AC-MS Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KTMM01AD-MSD:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KTNEC1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KTNEC1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

8/6/2008 9:38:38 AM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AnalyDueDate: 09/04/2008

88 NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

Batch: 8219212 WATER mg/L
SEQ Batch, Test: None All Tests: 8219212 88EA,

PM, Quote: SS , 57671

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

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KTMMK-1-AA J8H050264-1-SAMP 08/05/2008 11:09	AmtRec: 20ML,500G	#Containers: 2				Scr:	Alpha:	Beta:
2 KTMMK-1-AC-S J8H050264-1-MS 08/05/2008 11:09	AmtRec: 20ML,500G	#Containers: 2				Scr:	Alpha:	Beta:
3 KTMMK-1-AD-D J8H050264-1-MSD 08/05/2008 11:09	AmtRec: 20ML,500G	#Containers: 2				Scr:	Alpha:	Beta:
4 KTMMK-1-AE-X J8H050264-1-DUP 08/05/2008 11:09	AmtRec: 20ML,500G	#Containers: 2				Scr:	Alpha:	Beta:
5 KTNEH-1-AA-B J8H060000-212-BLK 08/05/2008 11:09	AmtRec:	#Containers: 1				Scr:	Alpha:	Beta:
6 KTNEH-1-AC-C J8H060000-212-LCS 08/05/2008 11:09	AmtRec:	#Containers: 1				Scr:	Alpha:	Beta:

8/6/2008 9:38:39 AM

Sample Preparation/Analysis

88 NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION
EA Chromium, Hexavalent (7196A)
5I CLIENT: HANFORD

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

AnalyDueDate: 09/04/2008

Batch: 8219212 mg/L
SEQ Batch, Test: None

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

Comments:

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

KTMMK1AA-SAMP Constituent List:
HEXCHROME RDL:0.002 mg/L LCL:85 UCL:115 RPD:20
KTMMK1AC-MS Constituent List:

KTMMK1AD-MSD:

KTNEH1AA-BLK:

KTNEH1AC-LCS:

KTMMK1AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KTMMK1AC-MS Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KTMMK1AD-MSD:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KTNEH1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KTNEH1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____