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Analytical Data Package Prepared For

Fluor Hanford

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Radiochemical Analysis By

TestAmerica TARL

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

Data Package Contains _____ Pages

Report Nbr: 39662

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05435	I08-041	B1VKM4	J8G030195-1	KQ3A41AA	9KQ3A410	8192162
		B1VKM7	J8G030195-2	KQ3A91AA	9KQ3A910	8192162
		B1VKM9	J8G030195-3	KQ3CC1AA	9KQ3CC10	8192162
		B1VKM9	J8G030195-3	KQ3CC1AC	9KQ3CC10	8192161
	S08-006	B1VLD8	J8G030203-1	KQ3DN1AA	9KQ3DN10	8192158
		B1VLD8	J8G030203-1	KQ3DN1AC	9KQ3DN10	8192156
		B1VLT9	J8G030203-2	KQ3D51AA	9KQ3D510	8192155
		B1VLT9	J8G030203-2	KQ3D51AC	9KQ3D510	8192157
	I08-047	B1W1M4	J8G030206-1	KQ3E21AA	9KQ3E210	8192162
	I08-041	B1VKN3	J8G030211-1	KQ3G01AA	9KQ3G010	8192162
		B1VKN6	J8G030211-2	KQ3G61AA	9KQ3G610	8192162
	S08-007	B1W234	J8G030214-1	KQ3JM1AA	9KQ3JM10	8192155
	W08-007	B1W295	J8G030216-1	KQ3JV1AA	9KQ3JV10	8192155
		B1W2B0	J8G030216-2	KQ3J21AA	9KQ3J210	8192155
		B1W2B5	J8G030216-3	KQ3J61AA	9KQ3J610	8192155

Comments:

0082152

Report Nbr: 39662

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05435	W08-007	B1W2B9	J8G030216-4	KQ3J81AA	9KQ3J810	8192155
		B1W2C0	J8G030216-5	KQ3KF1AA	9KQ3KF10	8192155
		B1W2C9	J8G030216-6	KQ3KK1AA	9KQ3KK10	8192155
		B1W2D4	J8G030216-7	KQ3KM1AA	9KQ3KM10	8192155
	A08-006	B1VJH4	J8G070151-1	KQ5P81AA	9KQ5P810	8192155
		B1VJK0	J8G070151-2	KQ5QF1AA	9KQ5QF10	8192155
	I08-037	B1V9W5	J8G080240-1	KQ6971AA	9KQ69710	8192158
		B1V9W5	J8G080240-1	KQ6971AC	9KQ69710	8192162
		B1V9W5	J8G080240-1	KQ6971AD	9KQ69710	8192156
		B1V9W5	J8G080240-1	KQ6971AE	9KQ69710	8192155
		B1V9W5	J8G080240-1	KQ6971AF	9KQ69710	8192160
		B1V9W5	J8G080240-1	KQ6971AG	9KQ69710	8192157
		B1VB08	J8G080240-2	KQ7AR1AA	9KQ7AR10	8192158
		B1VB08	J8G080240-2	KQ7AR1AC	9KQ7AR10	8192162
		B1VB08	J8G080240-2	KQ7AR1AD	9KQ7AR10	8192156
		B1VB08	J8G080240-2	KQ7AR1AE	9KQ7AR10	8192155
		B1VB08	J8G080240-2	KQ7AR1AG	9KQ7AR10	8192157
		B1VB08	J8G080240-2	KQ7AR2AF	9KQ7AR20	8210449

Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Certificate of Analysis

Fluor Hanford
1200 Jadwin Ave.
Richland, WA 99352

August 7, 2008

Attention: Steve Trent

SAF Number	:	I08-041, S08-006, I08-047, S08-007, W08-007, A08-006, I08-037
Date SDG Closed	:	July 8, 2008
Number of Samples	:	Twenty (20)
Sample Type	:	Water
SDG Number	:	W05435
Data Deliverable	:	30-Day / Summary

CASE NARRATIVE

I. Introduction

Between July 1, 2008 and July 8, 2008 twenty water samples were received at STL Richland (STLR) for radiochemical analysis. Upon receipt, the samples were assigned the following laboratory ID numbers to correspond with the Fluor Hanford specific IDs:

PGW ID#	STLR ID#	DATE OF RECEIPT	MATRIX
B1VKM4	KQ3A4	7/01/08	WATER
B1VKM7	KQ3A9	7/01/08	WATER
B1VKM9	KQ3CC	7/01/08	WATER
B1VLD8	KQ3DN	7/02/08	WATER
B1VLT9	KQ3D5	7/02/08	WATER
B1W1M4	KQ3E2	7/02/08	WATER
B1VKN3	KQ3G0	7/02/08	WATER
B1VKN6	KQ3G6	7/02/08	WATER
B1W234	KQ3JM	7/02/08	WATER
B1W295	KQ3JV	7/02/08	WATER
B1W2B0	KQ3J2	7/02/08	WATER
B1W2B5	KQ3J6	7/02/08	WATER
B1W2B9	KQ3J8	7/02/08	WATER

B1W2C0	KQ3KF	7/02/08	WATER
B1W2C9	KQ3KK	7/02/08	WATER
B1W2D4	KQ3KM	7/02/08	WATER
B1VJH4	KQ5P8	7/07/08	WATER
B1VJK0	KQ5QF	7/07/08	WATER
B1V9W5	KQ697	7/08/08	WATER
B1VB08	KQ7AR	7/08/08	WATER

II. Sample Receipt

The samples were received in good condition. The incorrect time received was recorded on COC #: I08-047-46. The receiving technician was made aware of the error. No other anomalies were noted during check-in.

III. Analytical Results/Methodology

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

The requested analyses were:

Alpha Spectroscopy
Uranium 234, 235 and 238 by method RICH-RC-5039
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
Carbon-14 by method RICH-RC-5022

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

Uranium 234, 235 and 238 by method RICH-RC-5039:
The LCS, batch blank, sample and sample duplicate (B1VLT9) results are within contractual requirements.

Neptunium-237 by method RICH-RC-5009:
The LCS, batch blank, sample and sample duplicate (B1VB08) results are within contractual requirements.

Gas Proportional Counting

Strontium-90 by method RICH-RC-5006
The LCS, batch blank, sample and sample duplicate (B1VKM9) results are within contractual requirements.

Gamma Spectroscopy

Gamma Spec (LL) by method RICH-RC-5017:
There was insufficient volume for a duplicate. Sample B1V9W5 was recounted on a different detector for the duplicate (B1V9W5 DUP). Except as noted, the LCS, batch blank, samples and sample duplicate (B1V9W5) results are within contractual requirements.

Iodine-129 (LL) by method RICH-RC-5025:
The LCS, batch blank, samples and sample duplicate (B1W235) results are within contractual requirements.

Liquid Scintillation Counting

Selenium-79 by method RICH-RC-5043:
There is no LCS for selenium-79. Sample B1VB08 and B1VB08 (DUP) provided a low tracer yield. They were reanalyzed with acceptable results. Except as noted, the batch blank, samples and sample duplicate (B1VB08) results are within contractual requirements.

Carbon-14 by method RICH-RC-5022:
The LCS, batch blank, samples and sample duplicate (B1W1M4) 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.

8/7/2008 2:01:57 PM

TestAmerica Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **Version:** 05 **Rpt Nbr:** 39662 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.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:
9KQ3A410	B1VKM4		MW6-SBB-A1	I08-041	W05435					06/30/2008 09:50

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192162	C-14	14762-75-5	8.64E+00	pCi/L	3.6E+00	4.3E+00		8.08E+00	100.0	C14_LSC	2.00E-01	L	07/22/2008 23:11	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:
9KQ3A910	B1VKM7		MW6-SBB-A1	I08-041	W05435					06/30/2008 11:15

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192162	C-14	14762-75-5	7.41E-01	pCi/L	3.4E+00	4.0E+00	U	8.08E+00	100.0	C14_LSC	2.00E-01	L	07/22/2008 23:53	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KQ3CC10	B1VKM9		MW6-SBB-A1	I08-041	W05435					06/30/2008 12:46

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192162	C-14	14762-75-5	5.06E+00	pCi/L	3.5E+00	4.2E+00	U	8.08E+00	100.0	C14_LSC	2.00E-01	L	07/23/2008 00:36	I
8192161	SR-90	10098-97-2	6.81E-02	pCi/L	2.4E-01	3.1E-01	U	6.69E-01	68.1	SRISO_SEP_PRE	1.0004E+00	L	07/30/2008 04:16	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:
9KQ3D510	B1VLT9		MW6-SBB-A1	S08-006	W05435					07/02/2008 11:14

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192155	I-129L	15046-84-1	1.29E+00	pCi/L	4.4E-01	4.4E-01		2.77E-01	94.3	I129LL_SEP_LEPS	3.8544E+00	L	07/22/2008 16:20	I
8192157	U-234	13966-29-5	6.49E+00	pCi/L	8.8E-01	1.4E+00		1.86E-01	102.9	UISO_PLATE_AEA	2.004E-01	L	07/28/2008 19:31	I
8192157	U-235	15117-96-1	2.77E-01	pCi/L	1.9E-01	1.9E-01		1.86E-01	102.9	UISO_PLATE_AEA	2.004E-01	L	07/28/2008 19:31	I
8192157	U-238	U-238	6.82E+00	pCi/L	9.0E-01	1.4E+00		1.86E-01	102.9	UISO_PLATE_AEA	2.004E-01	L	07/28/2008 19:31	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KQ3DN10	B1VLD8		MW6-SBB-A1	S08-006	W05435					07/02/2008 11:14

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192156	BE-7	13966-02-4	1.45E+00	pCi/L	1.6E+01	1.6E+01	U	2.80E+01		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:42	I
8192156	CO-60	10198-40-0	-6.00E-01	pCi/L	1.6E+00	1.6E+00	U	2.94E+00		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:42	I
8192156	CS-134	13967-70-9	-8.24E-01	pCi/L	1.8E+00	1.8E+00	U	3.09E+00		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:42	I
8192156	CS-137	10045-97-3	7.27E+01	pCi/L	1.1E+01	1.1E+01		3.01E+00		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:42	I
8192156	EU-152	14683-23-9	-5.11E+00	pCi/L	5.0E+00	5.0E+00	U	8.02E+00		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:42	I
8192156	EU-154	15585-10-1	-9.93E-01	pCi/L	5.9E+00	5.9E+00	U	1.04E+01		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:42	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.

8192156	EU-155	14391-16-3	2.06E+00	pCi/L	3.3E+00	3.3E+00	U	5.87E+00		GAMMALL_GS	2.0003E+00	L	07/23/2008	13:42	I
8192156	K-40	13966-00-2	6.53E+00	pCi/L	4.2E+01	4.2E+01	U	3.49E+01		GAMMALL_GS	2.0003E+00	L	07/23/2008	13:42	I
8192156	RU-106	13967-48-1	8.20E+00	pCi/L	1.7E+01	1.7E+01	U	3.04E+01		GAMMALL_GS	2.0003E+00	L	07/23/2008	13:42	I
8192156	SB-125	14234-35-6	-4.01E+00	pCi/L	5.1E+00	5.1E+00	U	8.27E+00		GAMMALL_GS	2.0003E+00	L	07/23/2008	13:42	I
8192158	NP-237	13994-20-2	-2.50E-02	pCi/L	8.8E-02	8.8E-02	U	2.63E-01	88.2	NP237_LLE_PLAT	2.004E-01	L	07/25/2008	12:16	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:
9KQ3E210	B1W1M4		MW6-SBB-A1	I08-047	W05435					07/02/2008 09:37

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192162	C-14	14762-75-5	6.47E+00	pCi/L	3.6E+00	4.3E+00	U	8.08E+00	100.0	C14_LSC	2.00E-01	L	07/23/2008 01:19	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:
9KQ3G010	B1VKN3		MW6-SBB-A1	I08-041	W05435					07/02/2008 10:28

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192162	C-14	14762-75-5	3.08E+01	pCi/L	4.3E+00	5.2E+00		8.08E+00	100.0	C14_LSC	2.00E-01	L	07/23/2008 02:44	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:
9KQ3G610	B1VKN6		MW6-SBB-A1	I08-041	W05435					07/02/2008 11:01

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192162	C-14	14762-75-5	7.70E+00	pCi/L	3.6E+00	4.3E+00	U	8.08E+00	100.0	C14_LSC	2.00E-01	L	07/23/2008 03:26	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KQ3J210	B1W2B0		MW6-SBB-A1	W08-007	W05435					07/01/2008 12:49

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192155	I-129L	15046-84-1	2.56E-01	pCi/L	1.8E-01	1.8E-01	U	3.66E-01	85.1	I129LL_SEP_LEPS	3.8946E+00	L	07/22/2008 18:09	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:
9KQ3J610	B1W2B5		MW6-SBB-A1	W08-007	W05435					07/01/2008 09:00

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192155	I-129L	15046-84-1	4.09E-01	pCi/L	1.9E-01	1.9E-01	U	3.96E-01	92.2	I129LL_SEP_LEPS	3.8755E+00	L	07/22/2008 19:52	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:
9KQ3J810	B1W2B9		MW6-SBB-A1	W08-007	W05435					07/01/2008 11:25

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

8/7/2008 2:01:57 PM

TestAmerica Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **Version:** 05 **Rpt Nbr:** 39662 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192155	I-129L	15046-84-1	-1.14E-02	pCi/L	1.1E-01	1.1E-01	U	2.14E-01	91.6	I129LL_SEP_LEPS	3.848E+00	L	07/22/2008 19:54	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:
9KQ3JM10	B1W234		MW6-SBB-A1	S08-007	W05435					07/01/2008 13:08

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192155	I-129L	15046-84-1	6.13E-02	pCi/L	1.6E-01	1.6E-01	U	3.18E-01	94.9	I129LL_SEP_LEPS	3.9194E+00	L	07/22/2008 16:21	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KQ3JV10	B1W295		MW6-SBB-A1	W08-007	W05435					07/01/2008 13:33

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192155	I-129L	15046-84-1	1.41E-01	pCi/L	1.7E-01	1.7E-01	U	3.31E-01	90.3	I129LL_SEP_LEPS	3.8718E+00	L	07/22/2008 18:09	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:
9KQ3KF10	B1W2C0		MW6-SBB-A1	W08-007	W05435					07/01/2008 07:30

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192155	I-129L	15046-84-1	-3.88E-02	pCi/L	1.2E-01	1.2E-01	U	2.09E-01	96.2	I129LL_SEP_LEPS	3.8846E+00	L	07/22/2008 19:55	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KQ3KK10	B1W2C9		MW6-SBB-A1	W08-007	W05435					07/01/2008 11:29

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192155	I-129L	15046-84-1	9.20E-01	pCi/L	2.2E-01	2.2E-01	U	4.62E-01	94.3	I129LL_SEP_LEPS	3.9265E+00	L	07/22/2008 21:41	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:
9KQ3KM10	B1W2D4		MW6-SBB-A1	W08-007	W05435					07/01/2008 09:36

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192155	I-129L	15046-84-1	3.13E-01	pCi/L	2.0E-01	2.0E-01	U	3.98E-01	92.4	I129LL_SEP_LEPS	3.8883E+00	L	07/22/2008 21:42	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:
9KQ5P810	B1VJH4		MW6-SBB-A1	A08-006	W05435					07/07/2008 10:02

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192155	I-129L	15046-84-1	4.83E-03	pCi/L	1.2E-01	1.2E-01	U	2.28E-01	93.8	I129LL_SEP_LEPS	3.896E+00	L	07/22/2008 21:43	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:

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

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KQ5QF10	B1VJK0		MW6-SBB-A1	A08-006	W05435					07/07/2008 11:32

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192155	I-129L	15046-84-1	2.70E+00	pCi/L	5.5E-01	5.5E-01		2.73E-01	93.5	I129LL_SEP_LEPS	3.8956E+00	L	07/23/2008 05:22	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KQ69710	B1V9W5		MW6-SBB-A1	I08-037	W05435					07/07/2008 11:05

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192162	C-14	14762-75-5	1.21E+01	pCi/L	3.7E+00	4.5E+00		8.08E+00	100.0	C14_LSC	2.00E-01	L	07/23/2008 04:09	I
8192156	BE-7	13966-02-4	2.63E+00	pCi/L	1.4E+01	1.4E+01	U	2.54E+01		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:43	I
8192156	CO-60	10198-40-0	3.09E-01	pCi/L	1.8E+00	1.8E+00	U	3.38E+00		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:43	I
8192156	CS-134	13967-70-9	-1.27E-01	pCi/L	1.6E+00	1.6E+00	U	2.90E+00		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:43	I
8192156	CS-137	10045-97-3	-2.55E-01	pCi/L	1.7E+00	1.7E+00	U	2.89E+00		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:43	I
8192156	EU-152	14683-23-9	-1.20E+00	pCi/L	4.4E+00	4.4E+00	U	7.49E+00		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:43	I
8192156	EU-154	15585-10-1	8.07E-01	pCi/L	4.4E+00	4.4E+00	U	8.62E+00		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:43	I
8192156	EU-155	14391-16-3	7.51E-01	pCi/L	3.2E+00	3.2E+00	U	5.58E+00		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:43	I
8192156	K-40	13966-00-2	2.40E+00	pCi/L	4.0E+01	4.0E+01	U	2.89E+01		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:43	I
8192156	RU-106	13967-48-1	3.83E+00	pCi/L	1.5E+01	1.5E+01	U	2.65E+01		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:43	I
8192156	SB-125	14234-35-6	2.64E-01	pCi/L	3.9E+00	3.9E+00	U	7.03E+00		GAMMALL_GS	2.0003E+00	L	07/23/2008 13:43	I
8192155	I-129L	15046-84-1	4.72E+00	pCi/L	8.0E-01	8.0E-01		3.92E-01	94.3	I129LL_SEP_LEPS	3.5889E+00	L	07/23/2008 05:23	I
8192158	NP-237	13994-20-2	-6.42E-03	pCi/L	6.5E-02	6.5E-02	U	1.54E-01	97.7	NP237_LLE_PLAT	2.00E-01	L	07/25/2008 12:17	I
8192160	Se-79	15758-45-9	-7.47E-01	pCi/L	3.3E+00	6.3E+00	U	8.01E+00	92.0	SE79_SEP_IE_LS	2.003E-01	L	07/25/2008 18:28	I
8192157	U-234	13966-29-5	2.83E+00	pCi/L	5.9E-01	7.5E-01		2.36E-01	99.2	UISO_PLATE_AEA	2.001E-01	L	07/28/2008 19:31	I
8192157	U-235	15117-96-1	8.46E-02	pCi/L	1.1E-01	1.1E-01	U	1.45E-01	99.2	UISO_PLATE_AEA	2.001E-01	L	07/28/2008 19:31	I
8192157	U-238	U-238	2.26E+00	pCi/L	5.3E-01	6.4E-01		2.36E-01	99.2	UISO_PLATE_AEA	2.001E-01	L	07/28/2008 19:31	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KQ7AR10	B1VB08		MW6-SBB-A1	I08-037	W05435					07/07/2008 13:18

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8192162	C-14	14762-75-5	3.70E-01	pCi/L	3.3E+00	4.0E+00	U	8.08E+00	100.0	C14_LSC	2.00E-01	L	07/23/2008 04:51	I
8192156	BE-7	13966-02-4	7.53E+00	pCi/L	1.3E+01	1.3E+01	U	2.39E+01		GAMMALL_GS	2.0001E+00	L	07/23/2008 13:45	I
8192156	CO-60	10198-40-0	-1.09E+00	pCi/L	1.4E+00	1.4E+00	U	2.20E+00		GAMMALL_GS	2.0001E+00	L	07/23/2008 13:45	I
8192156	CS-134	13967-70-9	8.92E-01	pCi/L	1.4E+00	1.4E+00	U	2.77E+00		GAMMALL_GS	2.0001E+00	L	07/23/2008 13:45	I
8192156	CS-137	10045-97-3	-6.15E-01	pCi/L	1.5E+00	1.5E+00	U	2.48E+00		GAMMALL_GS	2.0001E+00	L	07/23/2008 13:45	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: 39662 File Name: h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

8192156	EU-152	14683-23-9	-6.65E-01	pCi/L	3.6E+00	3.6E+00	U	6.25E+00		GAMMALL_GS	2.0001E+00	L	07/23/2008	13:45	I
8192156	EU-154	15585-10-1	-7.12E-01	pCi/L	3.7E+00	3.7E+00	U	6.72E+00		GAMMALL_GS	2.0001E+00	L	07/23/2008	13:45	I
8192156	EU-155	14391-16-3	-8.69E-01	pCi/L	2.5E+00	2.5E+00	U	4.28E+00		GAMMALL_GS	2.0001E+00	L	07/23/2008	13:45	I
8192156	K-40	13966-00-2	-1.24E+01	pCi/L	2.2E+01	2.2E+01	U	4.27E+01		GAMMALL_GS	2.0001E+00	L	07/23/2008	13:45	I
8192156	RU-106	13967-48-1	-4.81E+00	pCi/L	1.4E+01	1.4E+01	U	2.36E+01		GAMMALL_GS	2.0001E+00	L	07/23/2008	13:45	I
8192156	SB-125	14234-35-6	-2.98E+00	pCi/L	3.2E+00	3.2E+00	U	5.22E+00		GAMMALL_GS	2.0001E+00	L	07/23/2008	13:45	I
8192155	I-129L	15046-84-1	-1.06E-01	pCi/L	1.2E-01	1.2E-01	U	1.92E-01	93.0	I129LL_SEP_LEPS	3.822E+00	L	07/23/2008	05:23	I
8192158	NP-237	13994-20-2	-1.58E-02	pCi/L	8.2E-02	8.2E-02	U	2.23E-01	90.4	NP237_LLE_PLAT	2.00E-01	L	07/25/2008	12:17	I
8192157	U-234	13966-29-5	8.50E-01	pCi/L	3.3E-01	3.6E-01		2.15E-01	95.7	UISO_PLATE_AEA	2.003E-01	L	07/28/2008	19:31	I
8192157	U-235	15117-96-1	7.50E-02	pCi/L	1.1E-01	1.1E-01	U	1.97E-01	95.7	UISO_PLATE_AEA	2.003E-01	L	07/28/2008	19:31	I
8192157	U-238	U-238	5.62E-01	pCi/L	2.8E-01	3.0E-01		2.90E-01	95.7	UISO_PLATE_AEA	2.003E-01	L	07/28/2008	19:31	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KQ7AR20	B1VB08		MW6-SBB-A1	I08-037	W05435					07/07/2008 13:18

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8210449	Se-79	15758-45-9	-2.49E+01	pCi/L	8.4E+00	1.7E+01	U	2.21E+01	44.1	SE79_SEP_IE_LS	2.003E-01	L	08/06/2008 06:33	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.

Thursday, August 07, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KQ9741AB	**Sdg/Rept Nbr:**	W05435 39662	**Collection Date:**	07/01/2008 13:08
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BLK	**Received Date:**	07/02/2008

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
8192155	I-129L	5.93E-02	pCi/L	1.1E-01	U	2.17E-01	93.0		I129LL_SEP_L	3.9444E+00	07/23/2008				D
BLK	15046-84-1			1.1E-01						L	07:10				

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.

Thursday, August 07, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id: KQ9751AB **Sdg/Rept Nbr:** W05435 39662 **Collection Date:** 07/07/2008 11:05

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 07/08/2008

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
8192156	BE-7	1.13E+01	pCi/L	1.4E+01	U	2.64E+01			GAMMALL_GS	2.0005E+00	07/23/2008				D
BLK	13966-02-4			1.4E+01						L	13:46				
8192156	CO-60	-9.05E-01	pCi/L	1.7E+00	U	3.02E+00			GAMMALL_GS	2.0005E+00	07/23/2008				D
BLK	10198-40-0			1.7E+00						L	13:46				
8192156	CS-134	2.29E-01	pCi/L	1.9E+00	U	3.52E+00			GAMMALL_GS	2.0005E+00	07/23/2008				D
BLK	13967-70-9			1.9E+00						L	13:46				
8192156	CS-137	-5.53E-01	pCi/L	1.6E+00	U	2.75E+00			GAMMALL_GS	2.0005E+00	07/23/2008				D
BLK	10045-97-3			1.6E+00						L	13:46				
8192156	EU-152	-2.96E-01	pCi/L	3.7E+00	U	6.56E+00			GAMMALL_GS	2.0005E+00	07/23/2008				D
BLK	14683-23-9			3.7E+00						L	13:46				
8192156	EU-154	2.40E-02	pCi/L	5.3E+00	U	9.78E+00			GAMMALL_GS	2.0005E+00	07/23/2008				D
BLK	15585-10-1			5.3E+00						L	13:46				
8192156	EU-155	3.14E-02	pCi/L	2.5E+00	U	4.42E+00			GAMMALL_GS	2.0005E+00	07/23/2008				D
BLK	14391-16-3			2.5E+00						L	13:46				
8192156	K-40	-3.57E+01	pCi/L	3.7E+01	U	7.14E+01			GAMMALL_GS	2.0005E+00	07/23/2008				D
BLK	13966-00-2			3.7E+01						L	13:46				
8192156	RU-106	-2.47E+00	pCi/L	1.5E+01	U	2.64E+01			GAMMALL_GS	2.0005E+00	07/23/2008				D
BLK	13967-48-1			1.5E+01						L	13:46				
8192156	SB-125	5.20E-01	pCi/L	4.0E+00	U	7.18E+00			GAMMALL_GS	2.0005E+00	07/23/2008				D
BLK	14234-35-6			4.0E+00						L	13:46				

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.

Thursday, August 07, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KQ9761AB	**Sdg/Rept Nbr:**	W05435	39662	**Collection Date:** 07/02/2008 11:14
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 07/02/2008

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
8192157	U-234	0.00E+00	pCi/L	6.0E-02	U	1.41E-01	98.3		UISO_PLATE_	2.004E-01	07/28/2008				D
BLK	13966-29-5			6.0E-02						L	19:32				
8192157	U-235	0.00E+00	pCi/L	6.0E-02	U	1.41E-01	98.3		UISO_PLATE_	2.004E-01	07/28/2008				D
BLK	15117-96-1			6.0E-02						L	19:32				
8192157	U-238	2.94E-02	pCi/L	6.0E-02	U	1.41E-01	98.3		UISO_PLATE_	2.004E-01	07/28/2008				D
BLK	U-238			6.0E-02						L	19:32				

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.

Thursday, August 07, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KQ9771AB	**Sdg/Rept Nbr:**	W05435 39662	**Collection Date:**	07/07/2008 13:18
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BLK	**Received Date:**	07/08/2008

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	REF/ UCL	LCS LCL/UCL	R Typ
8192158	NP-237	-2.13E-02	pCi/L	7.5E-02	U	2.24E-01	88.2		NP237_LLE_P	2.002E-01	07/25/2008				D
BLK	13994-20-2			7.5E-02						L	12:17				

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.

Thursday, August 07, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KQ9791AB	**Sdg/Rept Nbr:**	W05435 39662	**Collection Date:**	07/07/2008 13:18
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BLK	**Received Date:**	07/08/2008

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
8192160	Se-79	-9.26E-01	pCi/L	6.8E+00	U	8.68E+00	84.9		SE79_SEP_IE	2.002E-01	07/25/2008				D
BLK	15758-45-9			3.6E+00						L	21:07				

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

Thursday, August 07, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KQ98C1AB	**Sdg/Rept Nbr:**	W05435	39662	**Collection Date:** 06/30/2008 12:46
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 07/01/2008

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
8192161	SR-90	1.15E-01	pCi/L	2.2E-01	U	4.58E-01	67.2		SRISO_SEP_P	1.0002E+00	07/30/2008				D
BLK	10098-97-2			2.2E-01						L	04:16				

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

Thursday, August 07, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id: KQ98E1AB **Sdg/Rept Nbr:** W05435 39662 **Collection Date:** 07/02/2008 09:37

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 07/02/2008

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
8192162	C-14	3.76E+00	pCi/L	4.1E+00	U	8.08E+00	100.0		C14_LSC	2.00E-01	07/22/2008				D
BLK	14762-75-5			3.5E+00						L	21:45				

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.

Thursday, August 07, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KR9QJ1AB	**Sdg/Rept Nbr:**	W05435	39662	**Collection Date:** 07/07/2008 13:18
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 07/08/2008

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
8210449	Se-79	-2.46E+01	pCi/L	1.4E+01	U	1.87E+01	52.1		SE79_SEP_IE	2.002E-01	08/06/2008				D
BLK	15758-45-9			7.0E+00						L	07:26				

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.

Thursday, August 07, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KQ9741CS	**Sdg/Rept Nbr:**	W05435 39662	**Collection Date:**	07/01/2008 13:08
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BS	**Received Date:**	07/02/2008

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
8192155	I-129L	9.53E+00	pCi/L	1.3E+00		4.18E-01	93.7	9.69E+00	I129LL_SEP_L	3.9797E+00	07/23/2008			70	D
BS	15046-84-1			1.3E+00				98.4		L	07:11			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.

Thursday, August 07, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id: KQ9751CS **Sdg/Rept Nbr:** W05435 39662 **Collection Date:** 07/07/2008 11:05

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 07/08/2008

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
8192156	CO-60	4.52E+01	pCi/L	8.6E+00		3.70E+00		3.88E+01	GAMMALL_GS	2.0002E+00	07/23/2008			70	D
BS	10198-40-0			8.6E+00				116.5		L	13:47			130	
8192156	CS-137	5.78E+01	pCi/L	8.4E+00		3.54E+00		5.21E+01	GAMMALL_GS	2.0002E+00	07/23/2008			70	D
BS	10045-97-3			8.4E+00				111.0		L	13:47			130	
8192156	EU-152	8.52E+01	pCi/L	1.5E+01		8.99E+00		7.80E+01	GAMMALL_GS	2.0002E+00	07/23/2008			70	D
BS	14683-23-9			1.5E+01				109.3		L	13:47			130	

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

Thursday, August 07, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KQ9761CS	**Sdg/Rept Nbr:**	W05435	39662	**Collection Date:** 07/02/2008 11:14
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 07/02/2008

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
8192157	U-234	8.46E+00	pCi/L	1.7E+00		2.12E-01	96.8	8.60E+00	UISO_PLATE_	2.002E-01	07/28/2008			70	D
BS	13966-29-5			1.0E+00				98.4		L	19:32			130	
8192157	U-238	8.57E+00	pCi/L	1.7E+00		1.48E-01	96.8	9.00E+00	UISO_PLATE_	2.002E-01	07/28/2008			70	D
BS	U-238			1.0E+00				95.2		L	19:32			130	

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

Thursday, August 07, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KQ9771CS	**Sdg/Rept Nbr:**	W05435 39662	**Collection Date:**	07/07/2008 13:18
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BS	**Received Date:**	07/08/2008

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
8192158	NP-237	9.70E+00	pCi/L	2.1E+00		2.75E-01	78.9	9.41E+00	NP237_LLE_P	2.003E-01	07/25/2008			70	D
BS	13994-20-2			1.4E+00				103.1		L	12:17			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.

Thursday, August 07, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id: KQ98C1CS **Sdg/Rept Nbr:** W05435 39662 **Collection Date:** 06/30/2008 12:46

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 07/01/2008

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
8192161	SR-90	1.65E+01	pCi/L	2.5E+00		4.44E-01	78.5	1.42E+01	SRISO_SEP_P	1.00E+00	07/30/2008			70	D
BS	10098-97-2			7.9E-01				115.9		L	04:16			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.

Thursday, August 07, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id: KQ98E1CS **Sdg/Rept Nbr:** W05435 39662 **Collection Date:** 07/02/2008 09:37

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 07/02/2008

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
8192162	C-14	4.03E+01	pCi/L	5.6E+00		8.08E+00	100.0	4.48E+01	C14_LSC	2.00E-01	07/22/2008			70	D
BS	14762-75-5			4.6E+00				90.1		L	22:28			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.

Thursday, August 07, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id: KQ3CC1DR **Sdg/Rept Nbr:** W05435 39662 **Collection Date:** 06/30/2008 12:46

Client Id: B1VKM9 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 07/01/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-041	MW6-SBB-A19981								AV	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8192161	SR-90	1.19E-01	pCi/L	3.4E-01	U	7.18E-01	75.8		SRISO_SEP_P	1.00E+00	07/30/2008	54.5	0.2		D
DUP	10098-97-2	6.81E-02		3.3E-01						L	04:16	20.0	3		

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

Thursday, August 07, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL-

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id: KQ3D51DR **Sdg/Rept Nbr:** W05435 39662 **Collection Date:** 07/02/2008 11:14

Client Id: B1VLT9 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 07/02/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
S08-006	MW6-SBB-A19981								AW	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8192157	U-234	6.74E+00	pCi/L	1.4E+00		1.77E-01	102.2		UISO_PLATE_	2.001E-01	07/28/2008	3.7	0.2		D
DUP	13966-29-5	6.49E+00		9.2E-01						L	19:31	20.0	3		
8192157	U-235	2.50E-01	pCi/L	1.8E-01		1.50E-01	102.2		UISO_PLATE_	2.001E-01	07/28/2008	10.2	0.2		D
DUP	15117-96-1	2.77E-01		1.8E-01						L	19:31	20.0	3		
8192157	U-238	6.12E+00	pCi/L	1.3E+00		1.77E-01	102.2		UISO_PLATE_	2.001E-01	07/28/2008	10.9	0.7		D
DUP	U-238	6.82E+00		8.8E-01						L	19:31	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.

Thursday, August 07, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KQ3E21CR	**Sdg/Rept Nbr:**	W05435 39662	**Collection Date:**	07/02/2008 09:37
Client Id:	B1W1M4	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	DUP	**Received Date:**	07/02/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-047	MW6-SBB-A19981								AX	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8192162	C-14	1.22E+01	pCi/L	4.5E+00		8.08E+00	100.0		C14_LSC	2.00E-01	07/23/2008	61.5	1.8		D
DUP	14762-75-5	6.47E+00		3.8E+00						L	02:01	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.

Thursday, August 07, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KQ3JM1CR	**Sdg/Rept Nbr:**	W05435	39662	**Collection Date:** 07/01/2008 13:08
Client Id:	B1W234	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 07/02/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
S08-007	MW6-SBB-A19981								AY	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8192155	I-129L	4.85E-02	pCi/L	1.5E-01	U	2.80E-01	93.2		I129LL_SEP_L	3.8944E+00	07/22/2008	23.2	0.1		D
DUP	15046-84-1	6.13E-02		1.5E-01						L	18:08	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 qualifer 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.

Thursday, August 07, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KQ6971HR	**Sdg/Rept Nbr:**	W05435	39662	**Collection Date:** 07/07/2008 11:05
Client Id:	B1V9W5	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 07/08/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-037	MW6-SBB-A19981								AZ	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8192156	BE-7	7.17E+00	pCi/L	1.5E+01	U	2.74E+01			GAMMALL_GS	2.0003E+00	07/23/2008	92.7	0.4		D
DUP	13966-02-4	2.63E+00		1.5E+01						L	17:57	20.0	3		
8192156	CO-60	2.21E-01	pCi/L	1.7E+00	U	3.24E+00			GAMMALL_GS	2.0003E+00	07/23/2008	33.1	0.1		D
DUP	10198-40-0	3.09E-01		1.7E+00						L	17:57	20.0	3		
8192156	CS-134	9.82E-01	pCi/L	1.7E+00	U	3.29E+00			GAMMALL_GS	2.0003E+00	07/23/2008	259.7	0.9		D
DUP	13967-70-9	-1.27E-01		1.7E+00						L	17:57	20.0	3		
8192156	CS-137	-1.26E-01	pCi/L	1.6E+00	U	2.83E+00			GAMMALL_GS	2.0003E+00	07/23/2008	0.0	0.1		D
DUP	10045-97-3	-2.55E-01		1.6E+00						L	17:57	20.0	3		
8192156	EU-152	1.88E+00	pCi/L	4.2E+00	U	7.62E+00			GAMMALL_GS	2.0003E+00	07/23/2008	905.8	1.		D
DUP	14683-23-9	-1.20E+00		4.2E+00						L	17:57	20.0	3		
8192156	EU-154	1.11E+00	pCi/L	4.5E+00	U	8.68E+00			GAMMALL_GS	2.0003E+00	07/23/2008	32.0	0.1		D
DUP	15585-10-1	8.07E-01		4.5E+00						L	17:57	20.0	3		
8192156	EU-155	8.35E-01	pCi/L	2.6E+00	U	4.65E+00			GAMMALL_GS	2.0003E+00	07/23/2008	10.6	0.		D
DUP	14391-16-3	7.51E-01		2.6E+00						L	17:57	20.0	3		
8192156	K-40	2.91E+01	pCi/L	4.0E+01	U	1.94E+01			GAMMALL_GS	2.0003E+00	07/23/2008	169.5	0.9		D
DUP	13966-00-2	2.40E+00		4.0E+01						L	17:57	20.0	3		
8192156	RU-106	1.29E+01	pCi/L	1.5E+01	U	2.94E+01			GAMMALL_GS	2.0003E+00	07/23/2008	108.1	0.8		D
DUP	13967-48-1	3.83E+00		1.5E+01						L	17:57	20.0	3		
8192156	SB-125	1.80E+00	pCi/L	4.2E+00	U	7.68E+00			GAMMALL_GS	2.0003E+00	07/23/2008	148.8	0.5		D
DUP	14234-35-6	2.64E-01		4.2E+00						L	17:57	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.

Thursday, August 07, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KQ7AR1HR	**Sdg/Rept Nbr:**	W05435 39662	**Collection Date:**	07/07/2008 13:18
Client Id:	B1VB08	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	DUP	**Received Date:**	07/08/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-037	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
8192158	NP-237	-2.82E-02	pCi/L	1.5E-01	U	3.98E-01	52.6		NP237_LLE_P	2.003E-01	07/25/2008	0.0	0.1		D
DUP	13994-20-2	-1.58E-02		1.5E-01						L	12:17	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.

Thursday, August 07, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05435.Edd, h:\Reportdb\edd\FeadIV\Rad\39662.Edd

Lab Sample Id:	KQ7AR1KR	**Sdg/Rept Nbr:**	W05435	39662	**Collection Date:** 07/07/2008 13:18
Client Id:	B1VB08	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 07/08/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-037	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
8210449	Se-79	-2.88E+01	pCi/L	1.7E+01	U	2.28E+01	42.6		SE79_SEP_IE	2.001E-01	08/06/2008	0.0	0.3		D
DUP	15758-45-9	-2.49E+01		8.6E+00						L	05:40	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.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

7/29/2008 10:23:23 AM

Lot No., Due Date: J8G030203,J8G080240; 08/07/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8192157; RUISO Ulso by ALP

SDG, Matrix: W05435; 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 Morton **Date** 7-29-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 892157

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 Jordt Date: 7/31/18

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

7/28/2008 11:17:13 AM

Lot No., Due Date: J8G030203,J8G080240; 08/07/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8192158; RNP237 Np-237 w/tracer

SDG, Matrix: W05435; 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** 7-28-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 819 2158

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: 7/28/12

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

7/30/2008 11:38:50 AM

Lot No., Due Date: J8G030195; 08/07/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8192161; RSR85907 Sr-85/90 by GPC-7

SDG, Matrix: W05435; WATER

1.0 COC

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

2.0 QC Batch

	Yes	No	N/A
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

	Yes	No	N/A
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

	Yes	No	N/A
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

	Yes	No	N/A
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** 7/30/08

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist
RADIOCHEMISTRY
Second Level Review

Batch Number: 8192161

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: 7/31/18

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

7/28/2008 8:44:28 AM

Lot No., Due Date: J8G030203,J8G080240; 08/07/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8192156; RGAMMA Gamma by GER

SDG, Matrix: W05435; 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** 7/28/08

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist
RADIOCHEMISTRY
Second Level Review

Batch Number: 8192156

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 Dodd Date: 7/28/08

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

TestAmerica

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

7/23/2008 11:20:10 AM

Lot No., Due Date: J8G030203,J8G030216,J8G030214,J8G070151,J8G080240; 08/07/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8192155; RGAMLEPS Gamma by LEPS

SDG, Matrix: W05435; 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:

First Level Review John Norton **Date** 7-23-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist
RADIOCHEMISTRY
Second Level Review

Batch Number: 8192155

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: Erike Ford Date: 7/23/8

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

8/7/2008 9:29:03 AM

Lot No., Due Date: J8G080240; 08/07/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8192160; RSE79 Se-79 by LSC

SDG, Matrix: W05435; 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 # 10-12819

First Level Review _____ **Date** _____

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist
RADIOCHEMISTRY
Second Level Review

Batch Number: 8192160 | 8210449

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: See NCM: Dups OOL | Reanalyzed data accepted.
CRDL = 30.0 pCi/L

Second Level Review: [signature] Date: 8/7/08

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

Clouseau
Nonconformance Memo

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

NCM #: **10-12819**
NCM Initiated By: John Norton
Date Opened: 08/07/2008
Date Closed:

Classification: **Anomaly**
Status: **GLREVIEW**
Production Area: Environmental - Prep
Tests: None
Lot #'s (Sample #'s): J8G080240 (2),
QC Batches: None.,

Nonconformance: Tracer yield out of limits
Subcategory: Unknown

Problem Description / Root Cause

Name	Date	Description
John Norton	08/07/2008	The duplicate provided a low tracer yield of 10%.

Corrective Action

Name	Date	Corrective Action
John Norton	08/07/2008	The sample and duplicate were re-analyzed in batch # 8210449 for acceptable results.

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: 8/7/2008

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

7/23/2008 11:10:42 AM

Lot No., Due Date: J8G030195,J8G030206,J8G030211,J8G080240; 08/07/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8192162; RC14 C-14 by LSC

SDG, Matrix: W05435; WATER

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 Porter **Date** 7-23-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 5192162

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: 7/23/18

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

TestAmerica Laboratories, Inc.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8G030195 WO5435 DUE 73108 KQ3A4

C.O.C. # **I08-041-28**

Page 1 of 1

Collector D. J. Sparks	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-041	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 100KR4IAM(1), JUNE 2008	HNF-N-506-17 pg 9	**Ice Chest No.** GWS 019 **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** ~~7998 7666 4502~~ 7-1-08
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.** 21862 7-1-08

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VKM4		W	6/30/08	0950	1x20-mL P	Activity Scan	None
B1VKM4		W	6/30/08	0950	2x1000-mL G/P	C14_LSC: C-14 (1)	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
D. J. Sparks	7-1-08 1320	RM Arnold	7-1-08 1320
RM Arnold	7-1-08 1430	LJLANE TAL	7108 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

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8G030195 W05435 DUE 73108 KQ3A9

C.O.C. # I08-041-34

Page 1 of 1

Collector: D. J. Sparks	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-041	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100KR4IAM(1), JUNE 2008	HNF-506-17 pg 9	Ice Chest No.: GWS 019 Temp.
Shipped To (Lab): TestAmerica Incorporated, Richland	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.: ~~7998 7666 4502~~ fwa 7-1-08
Protocol: CERCLA	Priority: 45 Days	Offsite Property No.: ~~21867~~

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS Hold Time
100 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VKM7		W	6/30/08	1115	1x20-mL P	Activity Scan	None
B1VKM7		W	↓	1115	2x1000-mL G/P	C14_LSC: C-14 (1)	None

Relinquished By	Date/Time	Received By	Date/Time
D. J. Sparks (Print) (Sign)	7-1-08 1320	KM Arnold (Print) (Sign)	7-1-08 1320
KM Arnold (Print) (Sign)	7-1-08 1430	LJ LANE TAL	7108 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 Laboratories, Inc.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8G030195 W05435 DUE 73108 KQ3CC

C.O.C. # **I08-041-40**

Page 1 of 1

Collector D. J. Sparks	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-041	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 100KR4IAM(1), JUNE 2008	HNF-N-506-17 pg 9	**Ice Chest No.** GW5 019 **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.** ~~7998 7666 4502~~ RMA 7-1-08
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.** ~~31862~~ RMA 7-1-08

POSSIBLE SAMPLE HAZARDS/REMARKS
** **

SPECIAL INSTRUCTIONS **Hold Time**
100 Area Generator Knowledge Information Form applies.

Total Air Mass Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VKM9		W	6/30/08	1246	1x20-mL P	Activity Scan	None
B1VKM9		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1VKM9		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
D. J. Sparks	7-1-08 1320	RM Arnold	7-1-08 1320
RM Arnold	7-1-08 1430	L LANE TAL	7108 1430

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.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 7/08 1430 GM Screen Result 0.1K

Client: PGW SDG #: W05435 NA[ ] SAF #: I08-041 NA [ ]

Work Order Number: J8G030195 Chain of Custody # I08-041-28,34,40

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: 7/08

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 J8G030203 W05435 DUE 8108	C.O.C. # S08-006-50 Page 1 of 1

Collector: Roy Sickle	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-506-15	Ice Chest No.: GW-1 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
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VLD8	KQ3DN	W	7-2-08	1114	1x20-mL P	Activity Scan	None
B1VLD8		W			1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1VLD8		W			1x1000-mL G/P	NP237_LLE_PLATE_AEA:Np-237(1)	HNO3 to pH <2
B1VLT9	KQ3D5	W			1x20-mL P	Activity Scan	None
B1VLT9		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1VLT9		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
Roy Sickle	[signature]		1111 02 2008 1400	[signature]	LVLANE	TAL	7-2-08 1400
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
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 7208 1400 GM Screen Result 0.1K

Client: PGW SDG #: W05435 NA[ ] SAF #: 508-006 NA [ ]

Work Order Number: J8G030203 Chain of Custody # 508-006-50

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: RP Date: 7208

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 J8G030206 W05435 DUE 8108 KQ3E2	C.O.C. # 108-047-46 Page 1 of 1

Collector SHEPARD	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. 108-047	Sampling Origin Hanford Site	Purchase Order/Charge Code GW-1
Project Title 100KR4IAM(1/2), JULY 2008	HNF-N 506-12	Ice Chest No. [illegible] 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
** **

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1W1M4		W	7-2-08	0937	1x20-mL P	Activity Scan	None
B1W1M4		W	↓	↓	2x1000-mL G/P	C14_LSC: C-14 (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
SHEPARD	[signature]	[signature]	7-2-08 1420	[signature]	LJCANE	TAL	7-2-08 1400
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.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 7 2 08 1400 GM Screen Result 0.1 K

Client: PGW SDG #: W05435 NA[ ] SAF #: I08-047 NA [ ]

Work Order Number: J8G030206 Chain of Custody # I08-047-46

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
   - ✓ 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 [ ] 7/7/08
13. Description of anomalies (include sample numbers): Incorrect time written on COC. (Received by). NCM was issued (10-12657), will note in Client Case Narrative. 7/11/08

Sample Custodian: _____ Date: 7 2 08

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary, process as is.

Project Manager _____ Date _____

Clouseau
Nonconformance Memo

TestAmerica

NCM #:	10-12657		
NCM Initiated By:	David Harbinson	Classification:	**Deficiency**
Date Opened:	07/11/2008	Status:	**PMREVIEW**
Date Closed:		Production Area:	Sample Control
		Tests:	C-14 by LSC
		Lot #'s (Sample #'s):	J8G030206 (1),
		QC Batches:	8192162,
Nonconformance:	Sample receiving issues		
Subcategory:	Other (explanation required)		

Problem Description / Root Cause

Name	Date	Description
David Harbinson	07/11/2008	Sample Receiving Technician recorded the wrong time on the COC. Time was 14:20 but technician recorded 14:00 on COC and paperwork.

Corrective Action

Name	Date	Corrective Action
David Harbinson	07/11/2008	Talked with Sample Recivieing Techncian about recording correct times on COC.

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: 7/11/2008

TestAmerica Laboratories, Inc.

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8G030211 W05435 DUE 8108 KQ3GO

C.O.C. # **I08-041-46**

Page 1 of 1

Collector SHEPARD	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-041	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 100KR4IAM(1), JUNE 2008	HNFN-506-12	**Ice Chest No.** GW-1 **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
** **

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VKN3		W	7-2-08	1028	1x20-mL P	Activity Scan	None
B1VKN3		W	↓	↓	2x1000-mL G/P	C14_LSC: C-14 (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
SHEPARD	[signature]	[signature]	7/2/08 1400	[signature]	LSLANE	TAL	7-2-08 1400
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

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8G030211 W05435 DUE 8108 KQ3G6

C.O.C. # I08-041-52

Page 1 of 1

Collector KE Hamilton	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I08-041	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 100KR4IAM(1), JUNE 2008	HWF-N-506-16	Ice Chest No. GW-1 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
** **

SPECIAL INSTRUCTIONS Hold Time
100 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VKN6		W	7/2/08	1101	1x20-mL P	Activity Scan	None
B1VKN6		W	↓	↓	2x1000-mL G/P	C14_LSC: C-14 (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
KE Hamilton	[signature]	[signature]	JUL 02 2008 1400	[signature]	LLLANE	TAL	JUL 02 2008 1400
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

TestAmerica Laboratories, Inc.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 7 2 08 1400 GM Screen Result 0.1K

Client: PGW SDG #: W05435 NA[ ] SAF #: I08-041 NA [ ]

Work Order Number: J8G030211 Chain of Custody # I08-041-46,-52

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: 7 2 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

J8G030214 W05435 DUE 8108 KQ3JM

C.O.C. # **S08-007-40**

Page 1 of 1

Collector R. A. Shepard	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-007	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, JULY 2008	HAF-11-526-12	**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
B1W234		W	7-1-08	1308	1x20-mL P	Activity Scan	None
B1W234		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
R. A. Shepard			1010 7-2-08		F M Hall		1010 7-2-08
Relinquished By			Date/Time	Received By			Date/Time
F M Hall			1150 7-2-08		L W LANE	TAL	1150 7-2-08
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
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 7208 1150 GM Screen Result 0.1K

Client: PGW SDG #: W05435 NA [ ] SAF #: 508-007 NA [ ]

Work Order Number: J8G030214 Chain of Custody # 508-007-40

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
   - ✓ 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: 7208

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

J8G030216 W05435 DUE 8108 KQ3JV

C.O.C. # **W08-007-12**

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-007	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, JULY 2008	HNF-N-506-15	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
B1W295		W	07-01-08	1333	1x20-mL P	Activity Scan	None
B1W295		W	07-01-08	1333	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
Roy Sickle			1010 7-2-08	FM Hall			1010 7-2-08
FM Hall			1150 7-2-08	LJLANE	TAL		1150 7-2-08

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

J8G030216 W05435 DUE 8108 KQ3J2

C.O.C. # **W08-007-20**

Page 1 of 1

Collector Roy Sickle	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. W08-007	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, JULY 2008	HNF-N-506-15	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
B1W2B0		W	07-01-08	1249	1x20-mL P	Activity Scan	None
B1W2B0		W	07-01-08	1249	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
Roy Sickle	[signature]		1010 7-2-08	Fm Hall	[signature]		1010 7-2-08
Fm Hall	[signature]		1150 7-2-08	[signature] LWLANE TAL			1150 7-2-08

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

J8G030216 W05435 DUE 8108 KQ3J6

C.O.C. # **W08-007-28**

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-007	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA JULY 2008	HNF-N-506-15	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
B1W2B5		W	07/01/08	0900	1x20-mL P	Activity Scan	None
B1W2B5		W	07/01/08	0900	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
Roy Sickle			1010 7-2-08	F M Hall			1010 7-2-08
F M Hall			1150 7-2-08	W LANE TAL			1150 7-2-08

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

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8G030216 W05435 DUE 8108 KQ3J8

C.O.C. # **W08-007-36**

Page 1 of 1

Collector **Roy Sickle**	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-007	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, JULY 2008	HNF-N-506-15	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
B1W2B9		W	07-01-08	1125	1x20-mL P	Activity Scan	None
B1W2B9		W	07-01-08	1125	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
Roy Sickle	1190 7-2-08	FM Hall	1190 7-2-08
FM Hall	1150 7-2-08	RR LJLANE TAL	1150 7-2-08

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.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8G030216 W05435 DUE 8108 KQ3KF

C.O.C. # **W08-007-37**

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-007	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA JULY 2008	HNF-N-506-15	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
B1W2C0		W	07-01-08	0730	1x20-mL P	Activity Scan	None
B1W2C0		W	07-01-08	0730	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
	Roy Sickle		1010 7-2-08		F M Hall		1010 7-2-08
	F M Hall		1150 7-2-08		LSLANE	TAL	1150 7-2-08

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

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FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8G030216 W05435 DH=8108 KQ3KK

C.O.C. # **W08-007-48**

Page 1 of 1

Collector: R. A. Shepard	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-007	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, JULY 2008	HWF-W-506-12	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
B1W2C9		W	7-1-08	1129	1x20-mL P	Activity Scan	None
B1W2C9		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
R. A. Shepard			1010 7-2-08	F-M	Hall		1010 7-2-08
F M Hall			1150 7-2-08		LJLANE	TAL	1150 7-2-08

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

J8G030216 W05435 DUE 8108 KQ3KM

C.O.C. # **W08-007-56**

Page 1 of 1

Collector Roy Sickle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-007	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA, JULY 2008	HNF-N-506-15	**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
B1W2D4		W	07/01/08	0936	1x20-mL P	Activity Scan	None
B1W2D4		W	07/01/08	0936	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
Roy Sickle	[signature]		1010 7-2-08	F M Hall	[signature]		1010 7-2-08
F M Hall	[signature]		1190 7-2-08	[signature] LILANE TAL			1190 7-2-08

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: 7208 1150 GM Screen Result 0.1K

Client: PGW SDG #: W05435 NA[ ] SAF #: W08-007 NA [ ]

Work Order Number: J8G030216 Chain of Custody # W08-007-12,-20,-28,-36,-37,-48,-56

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: [signature] Date: 7208

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

J8G070151 W05435 DUE 8608 KQ5P8

C.O.C. # **A08-006-19**

Page 1 of 1

Collector D. Woehle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. A08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title LLWMA(1)-PA, JUNE 2008	H NF-N-5064-6	**Ice Chest No.** GWS-011 **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol Other	**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
B1VJH4		W	7/7/08	1002	1x20-mL P	Activity Scan	None
B1VJH4		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
D. Woehle			7/7/08 1530		LWLANE	TAL	7/7/08 1530
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

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8G070151 W05435 DUE 8608 KQ5QF

C.O.C. # **A08-006-51**

Page 1 of 1

Collector D. Woehle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. A08-006	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title LLWMA(1)-PA, JUNE 2008	HNF-N-506-16	**Ice Chest No.** GUS-011 **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol Other	**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
B1VJK0		W	7/7/08	1132	1x20-mL P	Activity Scan	None
B1VJK0		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
D. Woehle			7/7/08 1530		LJLANE	TAL	7/7/08 1530
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.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 7708 1530 GM Screen Result 0.1K

Client: PGW SDG #: W05435 NA[ ] SAF #: A08-006 NA [ ]

Work Order Number: J8G070151 Chain of Custody # A08-006-19,-51

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: 7708

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

J8G080240 W05435 DUE 8708 KQ697

C.O.C. # **I08-037-94**

Page 1 of 1

Collector RM Arnold	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I08-037	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 2UP1 MAY 2008	HNF-N-526-12	Ice Chest No. G605-006 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
** **

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
B1V9W5		W	7-7-08	1105	1x20-mL P	Activity Scan	None
B1V9W5		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1V9W5		W			1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1V9W5		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1V9W5		W			2x1000-mL G/P	Selenium-79	HNO3 to pH <2
B1V9W5		W			1x1000-mL G/P	UISO_PLATE_AEA: List-1 (3)	HNO3 to pH <2
B1V9W5		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
RM Arnold	RM Arnold		7-8-08 1200		S. Smith	S. Smith	JUL 08 2008 1200
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 Laboratories, Inc.

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8G080240 W05435 DUE 8708 KQ7AR

C.O.C. # **I08-037-108**

Page 1 of 1

Collector RM Arnold	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I08-037	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 2UP1 MAY 2008	HNF-N-506-12	Ice Chest No. GW5-006 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
** **

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
B1VB08		W	7-7-08	1318	1x20-mL P	Activity Scan	None
B1VB08		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1VB08		W			1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1VB08		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1VB08		W			2x1000-mL G/P	Selenium-79	HNO3 to pH <2
B1VB08		W			1x1000-mL G/P	UISO_PLATE_AEA: List-1 (3)	HNO3 to pH <2
B1VB08		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
RM Arnold	RM Arnold	RM Arnold	JUL 08 2008 12:00	S. Smith	S. Smith	S. Smith	JUL 08 2008 1200
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: 07·08·08 12:00 GM Screen Result .01

Client: POW SDG #: W05435 NA[ ] SAF #: I08-037 NA [ ]

Work Order Number: J8G080240 Chain of Custody # I08-037-94, 108

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 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: 7-8-08

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,

7/16/2008 7:32:41 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AnalyDueDate: 08/01/2008 WD5435

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

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

Batch: 8192157 WATER pCi/L **PM, Quote: SS , 57671**
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:
1 **KQ3D5-1-AC** J8G030203-2-SAMP 07/02/2008 11:14		AmtRec: VIAL20,LP,2X4LP #Containers: 4	200.40g,in	200.40g	UITC19907 05/20/08,pd 06/15/01,r	200		Scr:	Alpha: 7.66E-07 uCi/Sa	Beta: 3.76E-07 uCi/Sa
2 **KQ3D5-1-AD-X** J8G030203-2-DUP 07/02/2008 11:14		AmtRec: VIAL20,LP,2X4LP #Containers: 4	200.10g,in	200.10g	UITC19908 05/20/08,pd 06/15/01,r			Scr:	Alpha: 7.66E-07 uCi/Sa	Beta: 3.76E-07 uCi/Sa
3 **KQ697-1-AG** J8G080240-1-SAMP 07/07/2008 11:05		AmtRec: VIAL20,6XLP,3X4LP #Containers: 10	200.10g,in	200.10g	UITC19909 05/20/08,pd 06/15/01,r			Scr:	Alpha: -3.18E-04 uCi/Sa	Beta: -1.43E-04 uCi/Sa
4 **KQ7AR-1-AG** J8G080240-2-SAMP 07/07/2008 13:18		AmtRec: VIAL20,6XLP,3X4LP #Containers: 10	200.30g,in	200.30g	UITC19910 05/20/08,pd 06/15/01,r			Scr:	Alpha: 6.27E-03 uCi/Sa	Beta: -3.37E-03 uCi/Sa
5 **KQ976-1-AA-B** J8G100000-157-BLK 07/02/2008 11:14		AmtRec: #Containers: 1	200.40g,in	200.40g	UITC19911 05/20/08,pd 06/15/01,r			Scr:	Alpha:	Beta:
6 **KQ976-1-AC-C** J8G100000-157-LCS 07/02/2008 11:14		AmtRec: #Containers: 1	200.20g,in	200.20g	UISG1631 03/25/08,pd 06/15/01,r			Scr:	Alpha:	Beta:

7/16/2008 7:32:42 PM

Sample Preparation/Analysis

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

Balance Id:1120482733

Pipet #: _____

AnalyDueDate: 08/01/2008

Sep1 DT/Tm Tech:

Batch: 8192157 pCi/L

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,HarrisD

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:

Comments: PH20 DLH 7/16/08

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

KQ3D51AC-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:

KQ9761AA-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:

KQ9761AC-LCS:

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

KQ3D51AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KQ9761AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KQ9761AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

7/29/2008 10:22:20 AM

ICOC Fraction Transfer/Status Report

ByDate: 7/30/2007, 8/3/2008, Batch: '8192157', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8192157						
AC		**Rev1C**	**HarrisD**	7/16/2008 7:26:11 PM		
SC			wagarr	IsBatched	7/10/2008 10:09:09 AM	ICOC_RADCALC v4.8.32
SC			HarrisD	InPrep	7/16/2008 7:26:11 PM	RL-PRP-004 REVISION 0
SC			HarrisD	Prep1C	7/16/2008 7:32:56 PM	RL-PRP-004 REVISION 0
SC			ManisD	Sep2C	7/28/2008 5:15:33 PM	RL-ALP-015 REV 0
SC			DAWKINSO	InCnt1	7/28/2008 6:00:51 PM	RL-CI-007 REVISION 0
SC			DAWKINSO	InCnt1	7/28/2008 6:01:04 PM	RL-CI-008 REVISION 0
SC			DAWKINSO	CalcC	7/28/2008 9:49:14 PM	RL-CI-008 REVISION 0
SC			nortonj	Rev1C	7/29/2008 10:22:02 AM	RICH-RC-0002 REV 8
AC			**HarrisD**	7/16/2008 7:32:56 PM		
AC			**ManisD**	7/28/2008 5:15:33 PM		
AC			**DAWKINSO**	7/28/2008 6:00:51 PM		
AC			**DAWKINSO**	7/28/2008 6:01:04 PM		
AC			**DAWKINSO**	7/28/2008 9:49:14 PM		
AC			**nortonj**	7/29/2008 10:22:02		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 7

ICOCFractions v4.8.33

7/16/2008 7:23:54 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 #: DJM & Sen

AnalyDueDate: 08/01/2008 WO 54/35

Sep1 DT/Tm Tech: 7/24/08 12:59:07

Batch: 8192158 WATER pCi/L PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

SEQ Batch, Test: None All Tests: 8192155 BNTB, 8192156 AWTA, 8192157 7YSR, 8192158 KOXW,

Prep Tech: ,HarrisD

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 KQ3DN-1-AA J8G030203-1-SAMP 07/02/2008 11:14			200.40g,in AmtRec: VIAL20,LP,4LP	200.40g #Containers: 3	NPTA7096 07/14/08,pd 06/01/01,r			200		Scr: Alpha: 8.91E-07 uCi/Sa	Beta: 6.02E-07 uCi/Sa	
2 KQ697-1-AA J8G080240-1-SAMP 07/07/2008 11:05			200.00g,in AmtRec: VIAL20,6XLP,3X4LP	200.00g #Containers: 10	NPTA7097 07/14/08,pd 06/01/01,r					Scr: Alpha: -3.18E-04 uCi/Sa	Beta: -1.43E-04 uCi/Sa	
3 KQ7AR-1-AA J8G080240-2-SAMP 07/07/2008 13:18			200.00g,in AmtRec: VIAL20,6XLP,3X4LP	200.00g #Containers: 10	NPTA7098 07/14/08,pd 06/01/01,r					Scr: Alpha: 6.27E-03 uCi/Sa	Beta: -3.37E-03 uCi/Sa	
4 KQ7AR-1-AH-X J8G080240-2-DUP 07/07/2008 13:18			200.30g,in AmtRec: VIAL20,6XLP,3X4LP	200.30g #Containers: 10	NPTA7099 07/14/08,pd 06/01/01,r					Scr: Alpha: 6.27E-03 uCi/Sa	Beta: -3.37E-03 uCi/Sa	
5 KQ977-1-AA-B J8G100000-158-BLK 07/07/2008 13:18			200.20g,in AmtRec:	200.20g #Containers: 1	NPTA7100 07/14/08,pd 06/01/01,r					Scr: Alpha:	Beta:	
6 KQ977-1-AC-C J8G100000-158-LCS 07/07/2008 13:18			200.30g,in AmtRec:	200.30g #Containers: 1	NPSE0472 05/15/08,pd 06/01/01,r					Scr: Alpha:	Beta:	

TestAmerica Laboratories, Inc.

7/16/2008 7:23:55 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: 08/01/2008

Sep1 DT/Tm Tech:

Batch: 8192158 pCi/L

SEQ Batch, Test: None

Sep2 DT/Tm Tech:

Prep Tech: ,HarrisD

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:

Comments: PH2.0 DH 7/16/08

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

KQ3DN1AA-SAMP Constituent List:
Np-237 RDL:0.6 pCi/L LCL: UCL: RPD:
KQ9771AA-BLK:
Np-237 RDL:0.6 pCi/L LCL: UCL: RPD:
KQ9771AC-LCS:

KQ3DN1AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KQ9771AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KQ9771AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

TestAmerica Laboratories, Inc.

7/28/2008 11:16:06 AM

ICOC Fraction Transfer/Status Report

ByDate: 7/29/2007, 8/2/2008, Batch: '8192158', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8192158						
AC		**Rev1C**	**HarrisD**	7/16/2008 7:13:39 PM		
SC			wagarr	IsBatched	7/10/2008 10:09:09 AM	ICOC_RADCALC v4.8.32
SC			HarrisD	InPrep	7/16/2008 7:13:39 PM	RL-PRP-004 REVISION 0
SC			HarrisD	Prep1C	7/16/2008 7:23:59 PM	RL-PRP-004 REVISION 0
SC			ManisD	Sep2C	7/25/2008 8:35:09 AM	RL-ALP-016 REV 0
SC			BlackCL	InCnt1	7/25/2008 8:44:36 AM	RL-CI-008 REVISION 0
SC			BlackCL	CalcC	7/28/2008 8:34:16 AM	RL-CI-008 REVISION 0
SC			nortonj	Rev1C	7/28/2008 11:16:01 AM	RICH-RC-0002 REV 8
AC			**HarrisD**	7/16/2008 7:23:59 PM		
AC			**ManisD**	7/25/2008 8:35:09		
AC			**BlackCL**	7/25/2008 8:44:36		
AC			**BlackCL**	7/28/2008 8:34:16		
AC			**nortonj**	7/28/2008 11:16:01		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 6

ICOCFractions v4.8.33

7/28/2008 4:08:58 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AnalyDueDate: 07/31/2008

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

Balance Id:1120482733,1120482733,1120
Pipet #:
Sep1 DT/Tm Tech: 07/17/2008 16:13,ManisD
Sep2 DT/Tm Tech: 07/28/2008 10:17,ManisD
Prep Tech: ManisD

Batch: 8192161 **WATER** **pCi/L** **PM, Quote: SS , 57671**
SEQ Batch, Test: None All Tests: 8192161 CLTL, 8192162 5SS3,

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 KQ3CC-1-AC J8G030195-3-SAMP		1000.40g,in	SRTB16265 05/21/08,pd 05/22/07,r		1.0	21.7	100	3A 3A	0518 0526	7/28/08 7/30/08	
						~~07/17/2008 16:13,s1, 07/28/2008~~					
06/30/2008 12:46		AmtRec: VIAL20,5XLP	#Containers: 6					Scr:	Alpha: 3.09E-07 uCi/Sa	Beta: -5.81E-07 uCi/Sa	
2 KQ3CC-1-AD-X J8G030195-3-DUP		1000.00g,in	SRTB16266 05/21/08,pd 05/22/07,r		1.0	22.5	100	3B 3B	0518 0526	7/28/08 7/30/08	
						~~07/17/2008 16:13,s1, 07/28/2008~~					
06/30/2008 12:46		AmtRec: VIAL20,5XLP	#Containers: 6					Scr:	Alpha: 3.09E-07 uCi/Sa	Beta: -5.81E-07 uCi/Sa	
3 KQ98C-1-AA-B J8G100000-161-BLK		1000.20g,in	SRTB16267 05/21/08,pd 05/22/07,r		1.0	22	100	3C 3C	0518 0526	7/28/08 7/30/08	
						~~07/17/2008 16:13,s1, 07/28/2008~~					
06/30/2008 12:46		AmtRec:	#Containers: 1					Scr:	Alpha:	Beta:	
4 KQ98C-1-AC-C J8G100000-161-LCS		1000.00g,in	SRSG1485 06/18/08,pd 01/23/08,r		1.0	22.3	100	3D 3D	0518 0526	7/28/08 7/30/08	
						~~07/17/2008 16:13,s1, 07/28/2008~~					
06/30/2008 12:46		AmtRec:	#Containers: 1					Scr:	Alpha:	Beta:	

TestAmerica Laboratories, Inc.

7/17/2008 10:35:53 AM

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

Balance Id:1120482733
Pipet #: DRM 7/28/08
Sep1 DT/Tm Tech: 7/17/08 16:18:00
Sep2 DT/Tm Tech: 7/28/08 10:14:57 DRM
Prep Tech: ,HarrisD

AnalyDueDate: 07/31/2008 WO5435

Batch: 8192161 **WATER** **pCi/L** **PM, Quote: SS , 57671**

SEQ Batch, Test: None All Tests: 8192161 CLTL, 8192162 5SS3,

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 KQ3CC-1-AC J8G030195-3-SAMP YTA18969 Ex:4/29/2009 06/30/2008 12:46		1000.40g,in AmtRec: VIAL20,5XLP	SRTB16265 05/21/08,pd 2.0130 #Containers: 6	1.605 0.7973			100	4"	1817	7/17/08 8:00	
									Scr:	Alpha: 3.09E-07 uCi/Sa	Beta: -5.81E-07 uCi/Sa
2 KQ3CC-1-AD-X J8G030195-3-DUP YTA18970 Ex:4/29/2009 06/30/2008 12:46		1000.00g,in AmtRec: VIAL20,5XLP	SRTB16266 05/21/08,pd 2.0184 #Containers: 6	1.727 0.8556				5"	1817	7/17/08 8:00	
									Scr:	Alpha: 3.09E-07 uCi/Sa	Beta: -5.81E-07 uCi/Sa
3 KQ98C-1-AA-B J8G100000-161-BLK YTA18971 Ex:4/29/2009 06/30/2008 12:46		1000.20g,in AmtRec:	SRTB16267 05/21/08,pd 2.0157 #Containers: 1	1.565 0.7964				9"	1851	7/17/08 8:00	
									Scr:	Alpha:	Beta:
4 KQ98C-1-AC-C J8G100000-161-LCS YTA18972 Ex:4/29/2009 06/30/2008 12:46		1000.00g,in AmtRec:	SRSG1485 06/18/08,pd 2.1317 #Containers: 1	1.906 0.8941				3"	1851	7/17/08 8:00	
									Scr:	Alpha:	Beta:

TestAmerica Laboratories, Inc.
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7/17/2008 10:35:54 AM

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 #: _____

AnalyDueDate: 07/31/2008

Sep1 DT/Tm Tech:

Batch: 8192161 pCi/L

SEQ Batch, Test: None

Sep2 DT/Tm Tech:

Prep Tech: ,HarrisD

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: pH20.0 DLH 7/17/08

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

KQ3CC1AC-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

KQ98C1AA-BLK:

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

KQ98C1AC-LCS:

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

KQ3CC1AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KQ98C1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KQ98C1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

7/28/2008 4:08:59 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:1120482733,1120482733,1120

Pipet #: _____

AnalyDueDate: 07/31/2008

Sep1 DT/Tm Tech: 07/17/2008 16:13,ManisD

Batch: 8192161 pCi/L

Sep2 DT/Tm Tech: 07/28/2008 10:17,ManisD

SEQ Batch, Test: None

Prep Tech: ,ManisD

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:

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

KQ3CC1AC-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

KQ98C1AA-BLK:

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

KQ98C1AC-LCS:

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

KQ3CC1AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KQ98C1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KQ98C1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

7/30/2008 11:36:18 AM

ICOC Fraction Transfer/Status Report

ByDate: 7/31/2007, 8/4/2008, Batch: '8192161', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8192161						
AC		Rev1C	HarrisD	7/17/2008 10:17:53		
SC			wagarr	IsBatched	7/10/2008 10:09:09 AM	ICOC_RADCALC v4.8.32
SC			HarrisD	InPrep	7/17/2008 10:17:53 AM	RL-PRP-004 REVISION 0
SC			HarrisD	Prep1C	7/17/2008 10:36:00 AM	RL-PRP-004 REVISION 0
SC			ManisD	InSep1	7/17/2008 12:49:01 PM	RL-GPC-003 REV 0
SC			ManisD	Sep1C	7/17/2008 5:35:37 PM	RL-GPC-003 REV 0
SC			DAWKINSO	InCnt1	7/17/2008 5:52:01 PM	RL-CI-007 REVISION 0
SC			DAWKINSO	Cnt1C	7/17/2008 9:40:27 PM	RL-CI-007 REVISION 0
SC			ManisD	InSep2	7/22/2008 10:22:34 AM	RL-GPC-004 REV 0
SC			ManisD	Sep2C	7/28/2008 4:11:18 PM	RL-GPC-004 REV 0
SC			DAWKINSO	InCnt2	7/28/2008 4:38:39 PM	RL-CI-006 REVISION 0
SC			BlackCL	CalcC	7/30/2008 5:29:31 AM	RL-CI-006 REVISION 0
SC			antonsonl	Rev1C	7/30/2008 11:36:09 AM	RICH-RC-0002 REV 8
AC			HarrisD	7/17/2008 10:36:00		
AC			ManisD	7/17/2008 12:49:01		
AC			ManisD	7/17/2008 5:35:37 PM		
AC			DAWKINSO	7/17/2008 5:52:01 PM		
AC			DAWKINSO	7/17/2008 9:40:27 PM		
AC			ManisD	7/22/2008 10:22:34		
AC			ManisD	7/28/2008 4:11:18 PM		
AC			DAWKINSO	7/28/2008 4:38:39 PM		
AC			BlackCL	7/30/2008 5:29:31		
AC			antonsonl	7/30/2008 11:36:09		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 11

ICOCFractions v4.8.33

7/17/2008 10:59:12 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: 08/01/2008 WO54135

Sep1 DT/Tm Tech:

Batch: 8192156 WATER pCi/L PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,HarrisD | Becky

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 KQ3DN-1-AC J8G030203-1-SAMP 07/02/2008 11:14		2000.30g,in AmtRec: VIAL20,LP,4LP #Containers: 3			100.mls	200	G15	1702	7/27/08	Scr: Alpha: 8.91E-07 uCi/Sa Beta: 6.02E-07 uCi/Sa
2 KQ697-1-AD J8G080240-1-SAMP 07/07/2008 11:05		2000.30g,in AmtRec: VIAL20,6XLP,3X4LP #Containers: 10					G5	1703		Scr: Alpha: -3.18E-04 uCi/Sa Beta: -1.43E-04 uCi/Sa
3 KQ697-1-AH-X J8G080240-1-DUP 07/07/2008 11:05	See comments	AmtRec: VIAL20,6XLP,3X4LP #Containers: 10					G15	2117	7/23/08	Scr: Alpha: -3.18E-04 uCi/Sa Beta: -1.43E-04 uCi/Sa
4 KQ7AR-1-AD J8G080240-2-SAMP 07/07/2008 13:18		2000.10g,in AmtRec: VIAL20,6XLP,3X4LP #Containers: 10					G8	1705	7/27/08	Scr: Alpha: 6.27E-03 uCi/Sa Beta: -3.37E-03 uCi/Sa
5 KQ975-1-AA-B J8G100000-156-BLK 07/07/2008 11:05		2000.50g,in AmtRec: #Containers: 1					G6	1706		Scr: Alpha: Beta:
6 KQ975-1-AC-C J8G100000-156-LCS 07/07/2008 11:05		2000.20g,in AmtRec: #Containers: 1	QCAG1488 06/20/08,pd 02/16/08,r				G13	1707		Scr: Alpha: Beta:

TestAmerica Laboratories, Inc.

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7/17/2008 10:59:13 AM

Sample Preparation/Analysis

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

Balance Id:1120482733

Pipet #: _____

Sep1 DT/Tm Tech:

Sep2 DT/Tm Tech:

Prep Tech: ,HarrisD

AnalyDueDate: 08/01/2008

Batch: 8192156 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: KQ697-SAMP "Comments: ISV for gamma dup. Please recount on a different detector. DLH 7/17/08"

PH2.0 DLH 7/17/08 DLH 7/17/08

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

KQ3DN1AC-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:

KQ9751AA-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:

KQ9751AC-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
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						

KQ3DN1AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KQ9751AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KQ9751AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

7/28/2008 8:43:45 AM

ICOC Fraction Transfer/Status Report

ByDate: 7/29/2007, 8/2/2008, Batch: '8192156', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8192156						
AC		Rev1C	HarrisD	7/17/2008 10:52:34		
SC			wagarr	IsBatched	7/10/2008 10:09:09 AM	ICOC_RADCALC v4.8.32
SC			HarrisD	InPrep	7/17/2008 10:52:34 AM	RL-PRP-004 REVISION 0
SC			HarrisD	Prep1C	7/17/2008 10:59:14 AM	RL-PRP-004 REVISION 0
SC			BockJ	InPrep2	7/21/2008 10:25:52 AM	RL-GAM-001 REVISION 0
SC			BockJ	Prep2C	7/23/2008 1:30:21 PM	RL-GAM-001 REVISION 0
SC			ClarkR	InCnt1	7/23/2008 1:40:46 PM	RL-CI-007 REVISION 0
SC			DAWKINSO	CalcC	7/23/2008 9:50:16 PM	RL-CI-007 REVISION 0
SC			antonsonl	Rev1C	7/28/2008 8:43:36 AM	RICH-RC-0002 REV 8
AC			HarrisD	7/17/2008 10:59:14		
AC			BockJ	7/21/2008 10:25:52		
AC			BockJ	7/23/2008 1:30:21 PM		
AC			ClarkR	7/23/2008 1:40:46 PM		
AC			DAWKINSO	7/23/2008 9:50:18 PM		
AC			antonsonl	7/28/2008 8:43:36		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 7

ICOCFractions v4.8.33

7/16/2008 8:43:12 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory
Pacific Northwest National Lab

AnalyDueDate: 08/01/2008 W05435

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: ,HarrisD

Batch: 8192155 **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	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KQ3D5-1-AA J8G030203-2-SAMP 07/02/2008 11:14	AmtRec: VIAL20,LP,2X4LP	3854.40g,in	ITA7392 06/16/08	#Containers: 4	34.9	100	L2	1800	7/22/08 CD	Scr: Alpha: 7.66E-07 uCi/Sa Beta: 3.76E-07 uCi/Sa
2 KQ3JM-1-AA J8G030214-1-SAMP 07/01/2008 13:08	AmtRec: VIAL20,2X4LP	3919.40g,in	ITA7393 06/16/08	#Containers: 3	35.1		L4	1801		Scr: Alpha: 8.67E-05 uCi/Sa Beta: 1.26E-04 uCi/Sa
3 KQ3JM-1-AC-X J8G030214-1-DUP 07/01/2008 13:08	AmtRec: VIAL20,2X4LP	3894.40g,in	ITA7394 06/16/08	#Containers: 3	34.5		L5	1948		Scr: Alpha: 8.67E-05 uCi/Sa Beta: 1.26E-04 uCi/Sa
4 KQ3JV-1-AA J8G030216-1-SAMP 07/01/2008 13:33	AmtRec: VIAL20,2X4LP	3871.80g,in	ITA7395 06/16/08	#Containers: 3	33.4		L4	1949		Scr: Alpha: 9.06E-04 uCi/Sa Beta: -7.36E-04 uCi/Sa
5 KQ3J2-1-AA J8G030216-2-SAMP 07/01/2008 12:49	AmtRec: VIAL20,2X4LP	3894.60g,in	ITA7396 06/16/08	#Containers: 3	31.5		L2	↓		Scr: Alpha: -4.45E-04 uCi/Sa Beta: -7.42E-04 uCi/Sa
6 KQ3J6-1-AA J8G030216-3-SAMP 07/01/2008 09:00	AmtRec: VIAL20,2X4LP	3875.50g,in	ITA7397 06/16/08	#Containers: 3	34.1		L2	2132		Scr: Alpha: 2.60E-03 uCi/Sa Beta: -1.71E-03 uCi/Sa
7 KQ3J8-1-AA J8G030216-4-SAMP 07/01/2008 11:25	AmtRec: VIAL20,2X4LP	3848.00g,in	ITA7398 06/16/08	#Containers: 3	33.9		L4	2134		Scr: Alpha: -4.41E-04 uCi/Sa Beta: -1.60E-04 uCi/Sa

TestAmerica Laboratories, (Inc.

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TAL Richland
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
Prep_SamplePrep v4.8.32

7/16/2008 8:43:13 PM

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: 08/01/2008

Sep1 DT/Tm Tech:

Batch: 8192155 WATER pCi/L PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,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:
8 KQ3KF-1-AA J8G030216-5-SAMP 07/01/2008 07:30		3884.60g,in AmtRec: VIAL20,2X4LP #Containers: 3	ITA7399 06/16/08		35.6	100	L6	2135 Scr: Alpha: 1.65E-04 uCi/Sa	7/22/08	Beta: 3.20E-05 uCi/Sa
9 KQ3KK-1-AA J8G030216-6-SAMP 07/01/2008 11:29		3926.50g,in AmtRec: VIAL20,2X4LP #Containers: 3	ITA7400 06/16/08		34.9		L2	2321 Scr: Alpha: 3.66E-04 uCi/Sa		Beta: 1.27E-04 uCi/Sa
10 KQ3KM-1-AA J8G030216-7-SAMP 07/01/2008 09:36		3888.30g,in AmtRec: VIAL20,2X4LP #Containers: 3	ITA7401 06/16/08		34.2		L4	2322 Scr: Alpha: 7.98E-04 uCi/Sa		Beta: 3.24E-04 uCi/Sa
11 KQ5P8-1-AA J8G070151-1-SAMP 07/07/2008 10:02		3896.00g,in AmtRec: VIAL20,2X4LP #Containers: 3	ITA7402 06/16/08		34.7		L5	2323 Scr: Alpha: 6.43E-04 uCi/Sa		Beta: 6.12E-04 uCi/Sa
12 KQ5QF-1-AA J8G070151-2-SAMP 07/07/2008 11:32		3895.60g,in AmtRec: VIAL20,2X4LP #Containers: 3	ITA7403 06/16/08		34.6		L2	0102 Scr: Alpha: -8.13E-04 uCi/Sa	7/23/08	Beta: 6.17E-04 uCi/Sa
13 KQ697-1-AE J8G080240-1-SAMP 07/07/2008 11:05		3588.90g,in AmtRec: VIAL20,6XLP,3X4LP #Containers: 10	ITA7404 06/16/08		34.9		L4	0103 Scr: Alpha: -3.18E-04 uCi/Sa		Beta: -1.43E-04 uCi/Sa
14 KQ7AR-1-AE J8G080240-2-SAMP 07/07/2008 13:18		3822.00g,in AmtRec: VIAL20,6XLP,3X4LP #Containers: 10	ITA7405 06/16/08		34.4		L5	0108 Scr: Alpha: 6.27E-03 uCi/Sa		Beta: -3.37E-03 uCi/Sa

TestAmerica Laboratories, Inc.

7/16/2008 8:43:14 PM

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: ,HarrisD

AnalyDueDate: 08/01/2008

Batch: 8192155 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:
15 KQ974-1-AA-B J8G100000-155-BLK 07/01/2008 13:08		3944.40g,in AmtRec:	ITA7406 06/16/08 #Containers: 1		34.4	100	L2	0850 Scr: Alpha:	7/23/08 AL Beta:	
16 KQ974-1-AC-C J8G100000-155-LCS 07/01/2008 13:08		3979.70g,in AmtRec:	ISD0857 04/22/08 #Containers: 1		35.5		L4	0151 Scr: Alpha:	Beta:	

Comments: DLH 7/16/08

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

KQ3D51AA-SAMP Constituent List:
I-129 RDL:1.00E+00 pCi/L LCL: UCL: RPD:
KQ9741AA-BLK:
I-129 RDL:1.00E+00 pCi/L LCL: UCL: RPD:
KQ9741AC-LCS:
I-129 RDL:5 pCi/L LCL:70 UCL:130 RPD:20

KQ3D51AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KQ9741AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KQ9741AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

TestAmerica Laboratories, Inc.

7/23/2008 11:18:54 AM

ICOC Fraction Transfer/Status Report

ByDate: 7/24/2007, 7/28/2008, Batch: '8192155', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8192155						
AC		**Rev1C**	**HarrisD**	7/16/2008 8:17:42 PM		
SC			wagarr	IsBatched	7/10/2008 10:09:09 AM	ICOC_RADCALC v4.8.32
SC			HarrisD	InPrep	7/16/2008 8:17:42 PM	RL-PRP-004 REVISION 0
SC			HarrisD	Prep1C	7/16/2008 8:44:08 PM	RL-PRP-004 REVISION 0
SC			BostedD	Prep2C	7/22/2008 3:30:57 PM	RL-GAM-002 REVISION 0
SC			NortonJ	Prep2C	7/22/2008 3:31:11 PM	RL-GAM-002 REVISION 0
SC			DAWKINSO	InCnt1	7/22/2008 4:04:12 PM	RL-CI-007 REVISION 0
SC			ClarkR	CalcC	7/23/2008 10:19:26 AM	RL-CI-007 REVISION 0
SC			nortonj	Rev1C	7/23/2008 11:18:47 AM	RICH-RC-0002 REV 8
AC			**HarrisD**	7/16/2008 8:44:08 PM		
AC			**BostedD**	7/22/2008 3:30:57 PM		
AC			**NortonJ**	7/22/2008 3:31:11 PM		
AC			**DAWKINSO**	7/22/2008 4:04:12 PM		
AC			**ClarkR**	7/23/2008 10:19:26		
AC			**nortonj**	7/23/2008 11:18:47		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 7

ICOCFractions v4.8.33

7/16/2008 7:37:01 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AnalyDueDate: 08/07/2008 WO5435

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

Balance Id:1120482733

Pipet #: _____

Sep1 DT/Tm Tech:

Sep2 DT/Tm Tech:

Prep Tech: ,HarrisD

Batch: 8192160 **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	Tracer Yield	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 **KQ697-1-AF** J8G080240-1-SAMP 07/07/2008 11:05	AmtRec: VIAL20,6XLP,3X4LP	200.30g,in	SETA0289 07/14/08		50	#Containers: 10	Scr:	Alpha: -3.18E-04 uCi/Sa	Beta: -1.43E-04 uCi/Sa
2 **KQ7AR-1-AF** J8G080240-2-SAMP 07/07/2008 13:18	AmtRec: VIAL20,6XLP,3X4LP	200.20g,in	SETA0290 07/14/08			#Containers: 10	Scr:	Alpha: 6.27E-03 uCi/Sa	Beta: -3.37E-03 uCi/Sa
3 **KQ7AR-1-AJ-X** J8G080240-2-DUP 07/07/2008 13:18	AmtRec: VIAL20,6XLP,3X4LP	200.20g,in	SETA0291 07/14/08			#Containers: 10	Scr:	Alpha: 6.27E-03 uCi/Sa	Beta: -3.37E-03 uCi/Sa
4 **KQ979-1-AA-B** J8G100000-160-BLK 07/07/2008 13:18	AmtRec:		SETA0292 07/14/08			#Containers: 1	Scr:	Alpha:	Beta:
5 **KQ979-1-AC-BN** J8G100000-160-IBLK 07/07/2008 13:18	AmtRec:		Seta 0299			#Containers: 1	Scr:	Alpha:	Beta:

Comments: pH200 DLH 7/16/08

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

KQ6971AF-SAMP Constituent List:
Se-79 RDL:3.00E+01 pCi/L LCL: UCL: RPD:

TAL Richland Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Page 1 ISV - Insufficient Volume for Analysis WO Cnt: 5
Richland Wa. pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added Prep_SamplePrep v4.8.32

TestAmerica Laboratories, Inc.

7/16/2008 7:37:02 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: 08/07/2008

Batch: 8192160 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:

```
KQ9791AA-BLK:
  Se-79        RDL:3.00E+01    pCi/L    LCL:        UCL:        RPD:
KQ9791AC-IBLK:
  Se-79        RDL:3.00E+01    pCi/L    LCL:        UCL:        RPD:
KQ6971AF-SAMP Calc Info:
     Uncert Level (#s).: 2     Decay to SaDt: Y     Blk Subt.: N     Sci.Not.: Y     ODRs: B
KQ9791AA-BLK:
     Uncert Level (#s).: 2     Decay to SaDt: Y     Blk Subt.: N     Sci.Not.: Y     ODRs: B
KQ9791AC-IBLK:
     Uncert Level (#s).: 2     Decay to SaDt: Y     Blk Subt.: N     Sci.Not.: Y     ODRs: B
```

Approved By _____ Date: _____

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

RE-ANALYSIS REQUEST

DUE DATE 8-7

CUSTOMER PGW

ANALAYSIS Se -79

MATRIX H_2O

LOT NUMBER J8G080240

SAMPLE DELIVERY GROUP W05435

OLD BATCH NUMBER 8192160

NEW BATCH NUMBER 8210449

LAB SAMPLE ID	CLIENT ID	REASON FOR REQUEST & ANALYSIS COMMENTS
1) KQ7AR HF		LOW TRACER YIELD
2) DUP		
3) B		
4) N		
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

8/5/2008 9:12:47 AM

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AnalyDueDate: 08/07/2008

Sample Preparation/Analysis

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

PRIORITY

Balance Id:1120482733

Pipet #: _____

Sep1 DT/Tm Tech:

Sep2 DT/Tm Tech:

Prep Tech: ,HarrisD

Batch: 8210449 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	Tracer Yield	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KQ7AR-1-AK-X J8G080240-2-DUP 07/07/2008 13:18		200.10g,in AmtRec: VIAL20,6XLP,3X4LP	SETA0300 07/14/08 #Containers: 10		50		Scr:	Alpha: 6.27E-03 uCi/Sa	Beta: -3.37E-03 uCi/Sa
2 KQ7AR-2-AF J8G080240-2-SAMP 07/07/2008 13:18		200.30g,in AmtRec: VIAL20,6XLP,3X4LP	SETA0301 07/14/08 #Containers: 10				Scr:	Alpha: 6.27E-03 uCi/Sa	Beta: -3.37E-03 uCi/Sa
3 KR9QJ-1-AA-B J8G280000-449-BLK 07/07/2008 13:18		200.20g,in AmtRec:	SETA0302 07/14/08 #Containers: 1				Scr:	Alpha:	Beta:
4 KR9QJ-1-AC-C J8G280000-449-LCS 07/07/2008 13:18		AmtRec:	#Containers: 1				Scr:	Alpha:	Beta:
5 KR9QJ-1-AD-BN J8G280000-449-IBLK 07/07/2008 13:18		AmtRec:	SETA0304 #Containers: 1				Scr:	Alpha:	Beta:

Comments: Pk2.0 Dlt 8/5/08

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

KQ7AR1AK-DUP Constituent List:
Se-79 RDL:3.00E+01 pCi/L LCL: UCL: RPD:

TestAmerica Laboratories, Inc.

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Sample Preparation/Analysis

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

PRIORITY

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

AnalyDueDate: 08/07/2008

Batch: 8210449 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:

```
KR9QJ1AA-BLK:
  Se-79        RDL:3.00E+01    pCi/L    LCL:        UCL:        RPD:
KR9QJ1AC-LCS:
  Am-241       RDL:            pCi/L    LCL:70      UCL:130     RPD:20
KR9QJ1AD-IBLK:

KQ7AR1AK-DUP Calc Info:
     Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
KR9QJ1AA-BLK:
     Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
KR9QJ1AC-LCS:
     Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
KR9QJ1AD-IBLK:
     Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
```

Approved By _____ Date: _____

TestAmerica Laboratories, Inc.

8/7/2008 9:24:48 AM

ICOC Fraction Transfer/Status Report

ByDate: 8/8/2007, 8/12/2008, Batch: '8192160', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8192160						
AC		Rev1C	HarrisD	7/16/2008 7:33:19 PM		
SC			wagarr	IsBatched	7/10/2008 10:09:09 AM	ICOC_RADCALC v4.8.32
SC			HarrisD	InPrep	7/16/2008 7:33:19 PM	RL-PRP-004 REVISION 0
SC			HarrisD	Prep1C	7/16/2008 7:37:04 PM	RL-PRP-004 REVISION 0
SC			BlackCL	InCnt1	7/25/2008 7:32:55 AM	RL-CI-005 REVISION 0
SC			ClarkR	CalcC	7/28/2008 1:09:06 PM	RL-CI-005 REVISION 0
SC			nortonj	Rev1C	8/7/2008 9:24:41 AM	RL-DR-001 REV 0
AC			HarrisD	7/16/2008 7:37:04 PM		
AC			BlackCL	7/25/2008 7:32:55		
AC			ClarkR	7/28/2008 1:09:06 PM		
AC			nortonj	8/7/2008 9:24:41 AM		

AC: Accepting Entry; SC: Status Change

8/7/2008 9:31:38 AM

ICOC Fraction Transfer/Status Report

ByDate: 8/8/2007, 8/12/2008, Batch: '8210449', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8210449						
AC		**Rev1C**	**HarrisD**	7/29/2008 1:21:41 PM		
SC			nortonj	IsBatched	7/29/2008 6:56:13 AM	ICOC_RADCALC v4.8.32
SC			HarrisD	InPrep	7/29/2008 1:21:41 PM	RL-PRP-004 REVISION 0
SC			HarrisD	Prep1C	7/29/2008 1:24:20 PM	RL-PRP-004 REVISION 0
SC			Barcotl	InPrep2	8/5/2008 1:09:07 PM	RL-LSC-012 REVISION 0
SC			Barcotl	Prep2C	8/5/2008 1:09:37 PM	RL-LSC-012 REVISION 0
SC			ClarkR	InCnt1	8/5/2008 1:34:01 PM	RL-CI-005 REVISION 0
SC			ClarkR	CalcC	8/6/2008 1:05:48 PM	RL-CI-005 REVISION 0
SC			nortonj	Rev1C	8/7/2008 9:31:29 AM	RL-DR-001 REV 0
AC			**HarrisD**	7/29/2008 1:24:20 PM		
AC			**Barcotl**	8/5/2008 1:09:07 PM		
AC			**Barcotl**	8/5/2008 1:09:37 PM		
AC			**ClarkR**	8/5/2008 1:34:01 PM		
AC			**ClarkR**	8/6/2008 1:05:48 PM		
AC			**nortonj**	8/7/2008 9:31:29 AM		

AC: Accepting Entry; SC: Status Change

TestAmerica Richland

Richland Wa.

Page 1

Grp Rec Cnt:7

ICOCFractions v4.8.34

TestAmerica Laboratories, Inc.

7/10/2008 10:08:00 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: 07/31/2008 W05435

Batch: 8192162 WATER pCi/L PM, Quote: SS , 57671
SEQ Batch, Test: None

Balance Id: 12445
Pipet #:
Sep1 DT/Tm Tech: 7-17-08 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 KQ3A4-1-AA J8G030195-1-SAMP 06/30/2008 09:50		AmtRec: VIAL20,2XLP	#Containers: 3			Scr:	Alpha:	Beta:
2 KQ3A9-1-AA J8G030195-2-SAMP 06/30/2008 11:15		AmtRec: VIAL20,2XLP	#Containers: 3			Scr:	Alpha:	Beta:
3 KQ3CC-1-AA J8G030195-3-SAMP 06/30/2008 12:46		AmtRec: VIAL20,5XLP	#Containers: 6			Scr:	Alpha:	Beta:
4 KQ3E2-1-AA J8G030206-1-SAMP 07/02/2008 09:37		AmtRec: VIAL20,2XLP	#Containers: 3			Scr:	Alpha:	Beta:
5 KQ3E2-1-AC-X J8G030206-1-DUP 07/02/2008 09:37		AmtRec: VIAL20,2XLP	#Containers: 3			Scr:	Alpha:	Beta:
6 KQ3G0-1-AA J8G030211-1-SAMP 07/02/2008 10:28		AmtRec: VIAL20,2XLP	#Containers: 3			Scr:	Alpha:	Beta:
7 KQ3G6-1-AA J8G030211-2-SAMP 07/02/2008 11:01		AmtRec: VIAL20,2XLP	#Containers: 3			Scr:	Alpha:	Beta:

7/10/2008 10:08:00 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: 07/31/2008

Batch: 8192162 WATER pCi/L PM, Quote: SS , 57671
SEQ Batch, Test: None

Balance Id: 12445
Pipet #:
Sep1 DT/Tm Tech: 7-17-08
Sep2 DT/Tm Tech:
Prep Tech:

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 KQ697-1-AC J8G080240-1-SAMP 07/07/2008 11:05	AmtRec: VIAL20,6XLP,3X4LP	#Containers: 10				Scr:	Alpha:	Beta:
9 KQ7AR-1-AC J8G080240-2-SAMP 07/07/2008 13:18	AmtRec: VIAL20,6XLP,3X4LP	#Containers: 10				Scr:	Alpha:	Beta:
10 KQ98E-1-AA-B J8G100000-162-BLK 07/02/2008 09:37	AmtRec:	#Containers: 1				Scr:	Alpha:	Beta:
11 KQ98E-1-AC-C J8G100000-162-LCS 07/02/2008 09:37	AmtRec:	#Containers: 1				Scr:	Alpha:	Beta:
12 KQ98E-1-AD-BN J8G100000-162-IBLK 07/02/2008 09:37	AmtRec:	#Containers: 1				Scr:	Alpha:	Beta:

Comments:

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

KQ3A41AA-SAMP Constituent List:
C-14 RDL:2.00E+02 pCi/L LCL:70 UCL:130 RPD:20

TestAmerica Laboratories, Inc.

7/10/2008 10:08:01 AM

Sample Preparation/Analysis

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

Balance Id: 17445
Pipet #:
Sep1 DT/Tm Tech: 7-11-08
Sep2 DT/Tm Tech:
Prep Tech:

AnalyDueDate: 07/31/2008

Batch: 8192162 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:

KQ98E1AA-BLK:

KQ98E1AC-LCS:

KQ98E1AD-IBLK:

KQ3A41AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KQ98E1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KQ98E1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KQ98E1AD-IBLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

7/23/2008 11:09:48 AM

ICOC Fraction Transfer/Status Report

ByDate: 7/24/2007, 7/28/2008, Batch: '8192162', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8192162						
AC		**Rev1C**	**McDowellD**	7/17/2008 8:13:15		
SC			wagarr	IsBatched	7/10/2008 10:09:09 AM	ICOC_RADCALC v4.8.32
SC			McDowellD	InSep1	7/17/2008 8:13:15 AM	RL-LSC-008 REVISION 0
SC			McDowellD	Sep1C	7/22/2008 1:39:34 PM	RL-LSC-008 REVISION 0
SC			DAWKINSO	InCnt1	7/22/2008 2:29:28 PM	RL-CI-005 REVISION 0
SC			ClarkR	CalcC	7/23/2008 7:36:46 AM	RL-CI-005 REVISION 0
SC			nortonj	Rev1C	7/23/2008 11:09:40 AM	RICH-RC-0002 REV 8
AC			**McDowellD**	7/22/2008 1:39:34 PM		
AC			**DAWKINSO**	7/22/2008 2:29:28 PM		
AC			**ClarkR**	7/23/2008 7:36:46		
AC			**nortonj**	7/23/2008 11:09:40		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 5

ICOCFractions v4.8.33