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JUL 28 2008
EDMC

Analytical Data Package Prepared For

Fluor Hanford

Radiochemical Analysis By

TestAmerica TARL

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

Data Package Contains _____ Pages

Report Nbr: 39309

RECEIVED JUNE 16, 2008

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05387	I08-025	B1VC05	J8D250391-1	KL3TJ1AA	9KL3TJ10	8127574
		B1VC05	J8D250391-1	KL3TJ1AC	9KL3TJ10	8127567
		B1VC05	J8D250391-1	KL3TJ1AD	9KL3TJ10	8127568
		B1VC13	J8D250391-10	KL3T91AA	9KL3T910	8127574
		B1VC13	J8D250391-10	KL3T91AC	9KL3T910	8127567
		B1VC13	J8D250391-10	KL3T91AD	9KL3T910	8127568
	I08-025	B1VC10	J8D250391-11	KL3VA1AA	9KL3VA10	8127574
		B1VC10	J8D250391-11	KL3VA1AC	9KL3VA10	8127567
		B1VC10	J8D250391-11	KL3VA1AD	9KL3VA10	8127568
		B1VC11	J8D250391-12	KL3VC1AA	9KL3VC10	8127574
		B1VC11	J8D250391-12	KL3VC1AC	9KL3VC10	8127567
		B1VC11	J8D250391-12	KL3VC1AD	9KL3VC10	8127568
		B1VC20	J8D250391-13	KL3VD1AA	9KL3VD10	8127574
		B1VC20	J8D250391-13	KL3VD1AC	9KL3VD10	8127567
		B1VC20	J8D250391-13	KL3VD1AD	9KL3VD10	8127568

Comments:

0078520

Report Nbr: 39309

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05387	I08-025	B1VC26	J8D250391-2	KL3TM1AA	9KL3TM10	8127574
		B1VC26	J8D250391-2	KL3TM1AC	9KL3TM10	8127567
		B1VC26	J8D250391-2	KL3TM1AD	9KL3TM10	8127568
		B1VC04	J8D250391-3	KL3TN1AA	9KL3TN10	8127574
		B1VC04	J8D250391-3	KL3TN1AC	9KL3TN10	8127567
		B1VC04	J8D250391-3	KL3TN1AD	9KL3TN10	8127568
		B1VC28	J8D250391-4	KL3TQ1AA	9KL3TQ10	8127574
		B1VC28	J8D250391-4	KL3TQ1AC	9KL3TQ10	8127567
		B1VC28	J8D250391-4	KL3TQ1AD	9KL3TQ10	8127568
		B1VC27	J8D250391-5	KL3TT1AA	9KL3TT10	8127574
		B1VC27	J8D250391-5	KL3TT1AC	9KL3TT10	8127567
		B1VC27	J8D250391-5	KL3TT1AD	9KL3TT10	8127568
		B1VC06	J8D250391-6	KL3T01AA	9KL3T010	8127574
		B1VC06	J8D250391-6	KL3T01AC	9KL3T010	8127567
		B1VC06	J8D250391-6	KL3T01AD	9KL3T010	8127568
		B1VBY8	J8D250391-7	KL3T41AA	9KL3T410	8127574
		B1VBY8	J8D250391-7	KL3T41AC	9KL3T410	8127567
		B1VBY8	J8D250391-7	KL3T41AD	9KL3T410	8127568
		B1VC12	J8D250391-8	KL3T71AA	9KL3T710	8127574
		B1VC12	J8D250391-8	KL3T71AC	9KL3T710	8127567
		B1VC12	J8D250391-8	KL3T71AD	9KL3T710	8127568
		B1VC00	J8D250391-9	KL3T81AA	9KL3T810	8127574
		B1VC00	J8D250391-9	KL3T81AC	9KL3T810	8127567
		B1VC00	J8D250391-9	KL3T81AD	9KL3T810	8127568
	I08-036	B1VC58	J8E010311-1	KMEX81AA	9KMEX810	8127574
		B1VC58	J8E010311-1	KMEX81AC	9KMEX810	8127573

Comments:

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SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05387	I08-036	B1VC58	J8E010311-1	KMEX81AD	9KMEX810	8127566
		B1V652	J8E010311-2	KME0J1AA	9KME0J10	8122529
		B1VC56	J8E010311-3	KME0L1AA	9KME0L10	8127574
		B1VC56	J8E010311-3	KME0L1AC	9KME0L10	8127573
		B1VC56	J8E010311-3	KME0L1AD	9KME0L10	8127566
		B1V630	J8E010311-4	KME0M1AA	9KME0M10	8127574
		B1V630	J8E010311-4	KME0M1AC	9KME0M10	8127573
		B1V630	J8E010311-4	KME0M1AD	9KME0M10	8127566
		B1V630	J8E010311-4	KME0M1AE	9KME0M10	8127570
	W08-004	B1V077	J8E010319-1	KME1C1AA	9KME1C10	8127567
		B1V077	J8E010319-1	KME1C1AC	9KME1C10	8127568
	I08-028	B1TJT3	J8E010323-1	KME2D1AA	9KME2D10	8127565
		B1TJT3	J8E010323-1	KME2D1AC	9KME2D10	8127566
		B1TJT2	J8E010323-2	KME2L1AA	9KME2L10	8127565
		B1TJT2	J8E010323-2	KME2L1AC	9KME2L10	8127566

Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Certificate of Analysis

Fluor Hanford
1200 Jadwin Ave.
Richland, WA 99352

June 16, 2008

Attention: Steve Trent

SAF Number	:	I08-025, I08-036, I08-028, W08-004
Date SDG Closed	:	May 1, 2008
Number of Samples	:	Twenty (20)
Sample Type	:	Water
SDG Number	:	W05387
Data Deliverable	:	45-Day / Summary

CASE NARRATIVE

I. Introduction

Between April 25, 2008 and May 1, 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
B1VC05	KL3TJ	4/25/08	WATER
B1VC26	KL3TM	4/25/08	WATER
B1VC04	KL3TN	4/25/08	WATER
B1VC28	KL3TQ	4/25/08	WATER
B1VC27	KL3TT	4/25/08	WATER
B1VC06	KL3T0	4/25/08	WATER
B1VBY8	KL3T4	4/25/08	WATER
B1VC12	KL3T7	4/25/08	WATER
B1VC00	KL3T8	4/25/08	WATER
B1VC13	KL3T9	4/25/08	WATER
B1VC10	KL3VA	4/25/08	WATER
B1VC11	KL3VC	4/25/08	WATER
B1VC20	KL3VD	4/25/08	WATER
B1VC58	KMEX8	5/01/08	WATER
B1VC56	KME0L	5/01/08	WATER

B1V630	KME0M	5/01/08	WATER
B1V652	KME0J	5/01/08	WATER
B1V077	KME1C	4/30/08	WATER
B1TJT3	KME2D	5/01/08	WATER
B1VJT2	KME2L	5/01/08	WATER

II. Sample Receipt

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

III. Analytical Results/Methodology

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

The requested analyses were:

Gas Proportional Counting
Gross Alpha by method RICH-RC-5014
Gross Beta by method RICH-RC-5014
Strontium-90 by method RICH-RC-5006
Gamma Spectroscopy
Iodine-129 (LL) by method RICH-RC-5025
Liquid Scintillation Counting
Technetium-99 by TEVA method RICH-RC-5065
Tritium by method RICH-RC-5007
Carbon-14 by method RICH-RC-5022
Chemical Analysis
Hexavalent Chromium by EPA method 7196A

IV. Quality Control

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

QC and sample results are reported in the same units.

V. Comments

Gas Proportional Counting
Gross Alpha by method RICH-RC-5014:
The LCS, batch blank, samples and sample duplicate (B1VC26) results are within contractual requirements.

Gross Beta by method RICH-RC-5014:
The LCS, batch blank, samples and sample duplicate (B1VC04) results are within contractual requirements.

Strontium-90 by method RICH-RC-5006
The LCS, batch blank, samples and sample duplicate (B1TJT2) results are within contractual requirements.

Gamma Spectroscopy
Iodine-129 (LL) by method RICH-RC-5025:
The LCS, batch blank, samples and sample duplicate (B1TJT3) results are within contractual requirements.

Liquid Scintillation Counting
Technetium-99 by TEVA method RICH-RC-5065:
The batch blank and LCS results had an elevated TSIE on the original count. The batch blank and LCS were agitated again and recounted with acceptable results. The LCS, batch blank, sample, sample duplicate (B1V630), and sample matrix spike (B1V630) results are within contractual requirements.

Tritium by method RICH-RC-5007:
The LCS, batch blank, samples and sample duplicate (B1VC05) results are within contractual requirements.

Carbon-14 by method RICH-RC-5022:
The LCS, batch blank, samples and sample duplicate (B1VC58) results are within contractual requirements.

Chemical Analysis
Hexavalent Chromium by EPA method 7196A
The LCS, batch blank, sample, sample duplicate (B1V652), sample matrix spike (B1V652), and matrix spike duplicate (B1V652) 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.

6/16/2008 11:23:13 AM

TestAmerica Report

Lab Code: TARL

FormNbr: R FormatType: FEAD Version: 05 Rpt Nbr: 39309 File Name: h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.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:
9KL3T010	B1VC06		MW6-SBB-A1	I08-025	W05387					04/25/2008 09:30

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	3.95E+03	pCi/L	2.2E+02	2.8E+02		2.62E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/18/2008 20:37	I
8127567	ALPHA	12587-46-1	2.19E+00	pCi/L	1.4E+00	1.5E+00		1.55E+00	100.0	9310_ALPHABETA	1.611E-01	L	06/03/2008 10:49	I
8127568	BETA	12587-47-2	9.03E+00	pCi/L	1.9E+00	2.2E+00		2.89E+00	100.0	9310_ALPHABETA	2.005E-01	L	06/03/2008 07:56	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:
9KL3T410	B1VBY8		MW6-SBB-A1	I08-025	W05387					04/25/2008 12:06

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	4.41E+03	pCi/L	2.3E+02	3.0E+02		2.61E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/18/2008 21:59	I
8127567	ALPHA	12587-46-1	1.22E+00	pCi/L	1.1E+00	1.2E+00	U	1.65E+00	100.0	9310_ALPHABETA	1.611E-01	L	06/03/2008 10:49	I
8127568	BETA	12587-47-2	8.44E+00	pCi/L	1.9E+00	2.2E+00		3.03E+00	100.0	9310_ALPHABETA	2.001E-01	L	06/03/2008 07:56	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:
9KL3T710	B1VC12		MW6-SBB-A1	I08-025	W05387					04/25/2008 13:40

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	3.83E+03	pCi/L	2.1E+02	2.8E+02		2.63E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/18/2008 23:21	I
8127567	ALPHA	12587-46-1	7.92E-01	pCi/L	8.9E-01	9.1E-01	U	1.55E+00	100.0	9310_ALPHABETA	2.003E-01	L	06/03/2008 12:04	I
8127568	BETA	12587-47-2	5.36E+00	pCi/L	1.6E+00	1.9E+00		2.80E+00	100.0	9310_ALPHABETA	2.004E-01	L	06/03/2008 07:56	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:
9KL3T810	B1VC00		MW6-SBB-A1	I08-025	W05387					04/25/2008 09:36

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	4.78E+03	pCi/L	2.3E+02	3.1E+02		2.62E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/19/2008 00:43	I
8127567	ALPHA	12587-46-1	9.70E-01	pCi/L	1.0E+00	1.1E+00	U	1.83E+00	100.0	9310_ALPHABETA	2.00E-01	L	06/03/2008 12:04	I
8127568	BETA	12587-47-2	6.27E+00	pCi/L	1.7E+00	1.9E+00		2.87E+00	100.0	9310_ALPHABETA	2.003E-01	L	06/03/2008 07:56	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:
9KL3T910	B1VC13		MW6-SBB-A1		W05387					04/25/2008 13:16

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	-6.78E+01	pCi/L	1.0E+02	1.1E+02	U	2.60E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/19/2008 02:04	I
8127567	ALPHA	12587-46-1	1.15E+00	pCi/L	9.3E-01	9.6E-01	U	1.44E+00	100.0	9310_ALPHABETA	2.002E-01	L	06/03/2008 12:04	I

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

8127568	BETA	12587-47-2	6.66E+00	pCi/L	1.7E+00	1.9E+00		2.72E+00	100.0	9310_ALPHABETA	2.001E-01	L	06/03/2008	07:56	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:
9KL3TJ10	B1VC05		MW6-SBB-A1	I08-025	W05387					04/25/2008 11:21

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	1.94E+03	pCi/L	1.7E+02	2.0E+02		2.56E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/19/2008 03:26	I
8127567	ALPHA	12587-46-1	1.01E+00	pCi/L	1.1E+00	1.1E+00	U	1.91E+00	100.0	9310_ALPHABETA	1.849E-01	L	06/03/2008 10:49	I
8127568	BETA	12587-47-2	7.76E+00	pCi/L	1.9E+00	2.1E+00		3.05E+00	100.0	9310_ALPHABETA	2.00E-01	L	06/03/2008 07:56	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:
9KL3TM10	B1VC26		MW6-SBB-A1	I08-025	W05387					04/25/2008 09:55

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	1.39E+03	pCi/L	1.5E+02	1.8E+02		2.62E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/19/2008 06:10	I
8127567	ALPHA	12587-46-1	1.08E+00	pCi/L	9.6E-01	9.9E-01	U	1.69E+00	100.0	9310_ALPHABETA	1.562E-01	L	06/03/2008 13:10	I
8127568	BETA	12587-47-2	5.99E+00	pCi/L	1.7E+00	1.8E+00		2.78E+00	100.0	9310_ALPHABETA	1.999E-01	L	06/03/2008 07:56	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:
9KL3TN10	B1VC04		MW6-SBB-A1	I08-025	W05387					04/25/2008 13:07

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	6.03E+02	pCi/L	1.3E+02	1.4E+02		2.61E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/19/2008 07:32	I
8127567	ALPHA	12587-46-1	9.09E-01	pCi/L	9.1E-01	9.3E-01	U	1.68E+00	100.0	9310_ALPHABETA	1.252E-01	L	06/03/2008 13:10	I
8127568	BETA	12587-47-2	2.81E+00	pCi/L	1.4E+00	1.5E+00		2.71E+00	100.0	9310_ALPHABETA	2.005E-01	L	06/03/2008 07:56	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:
9KL3TQ10	B1VC28		MW6-SBB-A1	I08-025	W05387					04/25/2008 10:46

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	1.25E+03	pCi/L	1.5E+02	1.7E+02		2.62E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/19/2008 13:02	I
8127567	ALPHA	12587-46-1	9.41E-01	pCi/L	9.1E-01	9.3E-01	U	1.55E+00	100.0	9310_ALPHABETA	2.001E-01	L	06/03/2008 10:49	I
8127568	BETA	12587-47-2	3.93E+00	pCi/L	1.5E+00	1.6E+00		2.73E+00	100.0	9310_ALPHABETA	2.004E-01	L	06/03/2008 07:56	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:
9KL3TT10	B1VC27		MW6-SBB-A1	I08-025	W05387					04/25/2008 10:05

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	3.73E+03	pCi/L	2.1E+02	2.7E+02		2.62E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/19/2008 14:24	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.

8127567	ALPHA	12587-46-1	9.97E-01	pCi/L	9.7E-01	9.9E-01	U	1.52E+00	100.0	9310_ALPHABETA	2.003E-01	L	06/03/2008	10:49	I
8127568	BETA	12587-47-2	6.38E+00	pCi/L	1.7E+00	1.9E+00		2.76E+00	100.0	9310_ALPHABETA	2.002E-01	L	06/03/2008	07:56	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:
9KL3VA10	B1VC10		MW6-SBB-A1	I08-025	W05387					04/25/2008 10:15

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	5.03E+03	pCi/L	2.4E+02	3.2E+02		2.62E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/19/2008 15:46	I
8127567	ALPHA	12587-46-1	1.88E+00	pCi/L	1.2E+00	1.3E+00		1.50E+00	100.0	9310_ALPHABETA	1.922E-01	L	06/03/2008 12:04	I
8127568	BETA	12587-47-2	8.00E+00	pCi/L	1.8E+00	2.1E+00		2.78E+00	100.0	9310_ALPHABETA	2.001E-01	L	06/03/2008 07:56	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:
9KL3VC10	B1VC11		MW6-SBB-A1	I08-025	W05387					04/25/2008 11:21

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	-9.58E+01	pCi/L	1.0E+02	1.1E+02	U	2.63E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/19/2008 17:07	I
8127567	ALPHA	12587-46-1	7.97E-01	pCi/L	7.7E-01	7.9E-01	U	1.11E+00	100.0	9310_ALPHABETA	2.001E-01	L	06/03/2008 12:04	I
8127568	BETA	12587-47-2	4.70E+00	pCi/L	1.6E+00	1.8E+00		2.69E+00	100.0	9310_ALPHABETA	2.001E-01	L	06/03/2008 07:56	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:
9KL3VD10	B1VC20		MW6-SBB-A1	I08-025	W05387					04/25/2008 12:09

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	2.04E+03	pCi/L	1.7E+02	2.1E+02		2.62E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/19/2008 18:29	I
8127567	ALPHA	12587-46-1	1.14E+00	pCi/L	1.0E+00	1.1E+00	U	1.53E+00	100.0	9310_ALPHABETA	1.666E-01	L	06/03/2008 12:04	I
8127568	BETA	12587-47-2	6.53E+00	pCi/L	1.8E+00	2.0E+00		2.93E+00	100.0	9310_ALPHABETA	2.001E-01	L	06/03/2008 07:56	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:
9KME0L10	B1VC56		MW6-SBB-A1	I08-036	W05387					05/01/2008 08:48

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	2.55E+01	pCi/L	1.1E+02	1.2E+02	U	2.62E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/19/2008 19:51	I
8127573	C-14	14762-75-5	5.13E+00	pCi/L	3.6E+00	4.3E+00	U	8.18E+00	100.0	C14_LSC	2.00E-01	L	06/04/2008 00:17	I
8127566	SR-90	10098-97-2	2.37E-01	pCi/L	3.3E-01	3.4E-01	U	7.15E-01	77.9	SRISO_SEP_PRE	1.001E+00	L	06/11/2008 05:40	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KME0M10	B1V630		MW6-SBB-A1	I08-036	W05387					05/01/2008 09:36

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

6/16/2008 11:23:13 AM

TestAmerica Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **Version:** 05 **Rpt Nbr:** 39309 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	2.80E+04	pCi/L	5.1E+02	1.2E+03		2.61E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/19/2008 21:13	I
8127573	C-14	14762-75-5	2.66E+01	pCi/L	4.2E+00	5.1E+00		8.18E+00	100.0	C14_LSC	2.00E-01	L	06/04/2008 01:00	I
8127566	SR-90	10098-97-2	-1.23E-01	pCi/L	2.9E-01	2.9E-01	U	6.24E-01	73.3	SRISO_SEP_PRE	1.0006E+00	L	06/11/2008 05:40	I
8127570	TC-99	14133-76-7	3.36E+00	pCi/L	4.1E+00	5.9E+00	U	9.79E+00	100.0	TC99_ETVDSK_LS	1.2553E-01	L	06/02/2008 23:33	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:
9KME1C10	B1V077		MW6-SBB-A1	W08-004	W05387					04/30/2008 10:03

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127567	ALPHA	12587-46-1	6.58E-01	pCi/L	8.6E-01	8.7E-01	U	1.68E+00	100.0	9310_ALPHABETA	1.021E-01	L	06/03/2008 11:49	I
8127568	BETA	12587-47-2	9.21E+00	pCi/L	1.9E+00	2.3E+00		2.99E+00	100.0	9310_ALPHABETA	2.003E-01	L	06/03/2008 07:56	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:
9KME2D10	B1TJT3		MW6-SBB-A1	I08-028	W05387					04/29/2008 13:28

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127565	I-129L	15046-84-1	4.26E-01	pCi/L	1.9E-01	1.9E-01	U	3.97E-01	99.5	I129LL_SEP_LEPS	3.7328E+00	L	06/06/2008 10:26	I
8127566	SR-90	10098-97-2	4.16E-01	pCi/L	3.4E-01	3.4E-01	U	6.30E-01	76.6	SRISO_SEP_PRE	9.7876E-01	L	06/11/2008 05:40	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KME2L10	B1TJT2		MW6-SBB-A1	I08-028	W05387					04/29/2008 13:28

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127565	I-129L	15046-84-1	4.31E-01	pCi/L	2.3E-01	2.3E-01	U	3.87E-01	96.2	I129LL_SEP_LEPS	3.8131E+00	L	06/06/2008 10:27	I
8127566	SR-90	10098-97-2	9.98E-02	pCi/L	3.3E-01	3.3E-01	U	7.08E-01	67.7	SRISO_SEP_PRE	1.0024E+00	L	06/11/2008 05:40	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KMEX810	B1VC58		MW6-SBB-A1	I08-036	W05387					05/01/2008 10:29

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127574	H-3	10028-17-8	6.21E+05	pCi/L	2.4E+03	2.3E+04		2.63E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/19/2008 22:35	I
8127573	C-14	14762-75-5	1.68E+02	pCi/L	7.3E+00	1.0E+01		8.18E+00	100.0	C14_LSC	2.00E-01	L	06/03/2008 22:51	I
8127566	SR-90	10098-97-2	1.89E-01	pCi/L	3.1E-01	3.1E-01	U	6.53E-01	71.3	SRISO_SEP_PRE	9.8978E-01	L	06/11/2008 05:40	I

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

TESTAMERICA

Monday, June 16, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R FormatType: FEAD VersionNbr: 05 File Name: h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id:	KMMW21AB	**Sdg/Rept Nbr:**	W05387	39309	**Collection Date:** 05/01/2008 10:29
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 05/01/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127573	C-14	3.33E+00	pCi/L	4.2E+00	U	8.18E+00	100.0		C14_LSC	2.00E-01	06/03/2008				D
BLK	14762-75-5			3.5E+00						L	21:26				

TestAmerica

rptFeadRadEdd v3.68

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

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TESTAMERICA

Monday, June 16, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KMMW71AB **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 04/25/2008 11:21

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 04/25/2008

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
8127574	H-3	-4.78E+01	pCi/L	1.1E+02	U	2.59E+02	100.0		906.0_H3_LSC	5.00E-03	05/18/2008				D
BLK	10028-17-8			1.0E+02						L	17:53				

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.

Monday, June 16, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KMMW71DX **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 04/25/2008 11:21

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 04/25/2008

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
8127574	H-3	1.34E+02	pCi/L	1.3E+02	U	2.79E+02	100.0		906.0_H3_LSC	5.00E-03	05/19/2008				D
BLK	10028-17-8			1.2E+02						L	10:17				

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.

Monday, June 16, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KMMWC1AB **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 04/29/2008 13:28

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 05/01/2008

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
8127565	I-129L	8.25E-02	pCi/L	1.4E-01	U	2.79E-01	97.0		I129LL_SEP_L	3.9769E+00	06/06/2008				D
BLK	15046-84-1			1.4E-01						L	12:19				

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

Monday, June 16, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KMMWE1AB **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 04/29/2008 13:28

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 05/01/2008

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
8127566	SR-90	-8.20E-02	pCi/L	2.1E-01	U	5.01E-01	72.4		SRISO_SEP_P	1.0001E+00	06/11/2008				D
BLK	10098-97-2			2.1E-01						L	05:40				

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.

Monday, June 16, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KMMWH1AB **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 04/25/2008 09:55

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 04/25/2008

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
8127567	ALPHA	1.03E-01	pCi/L	3.5E-01	U	8.17E-01	100.0		9310_ALPHAB	2.005E-01	06/03/2008				D
BLK	12587-46-1			3.5E-01						L	11:49				

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.

Monday, June 16, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id:	KMMWP1AB	**Sdg/Rept Nbr:**	W05387 39309	**Collection Date:**	04/25/2008 13:07
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BLK	**Received Date:**	04/25/2008

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
8127568	BETA	8.89E-01	pCi/L	1.3E+00	U	2.79E+00	100.0		9310_ALPHAB	2.001E-01	06/03/2008				D
BLK	12587-47-2			1.3E+00						L	07:56				

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.

Monday, June 16, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KMMWW2AB **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 05/01/2008 09:36

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 05/01/2008

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
8155256	TC-99	-1.27E+00	pCi/L	5.9E+00	U	1.01E+01	100.0		TC99_ETVDSK	1.2574E-01	06/04/2008				D
BLK	14133-76-7			4.1E+00						L	18:11				

TestAmerica

rptFeadRadEdd v3.68

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

Monday, June 16, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KMMW21CS **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 05/01/2008 10:29

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 05/01/2008

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
8127573	C-14	4.30E+01	pCi/L	5.7E+00		8.18E+00	100.0	4.58E+01	C14_LSC	2.00E-01	06/03/2008			70	D
BS	14762-75-5			4.7E+00				93.8		L	22:09			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.

Monday, June 16, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id:	KMMW71CS	**Sdg/Rept Nbr:**	W05387	39309	**Collection Date:** 04/25/2008 11:21
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 04/25/2008

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
8127574	H-3	2.29E+03	pCi/L	2.2E+02		2.62E+02	100.0	2.71E+03	906.0_H3_LSC	5.00E-03	05/18/2008			70	D
BS	10028-17-8			1.8E+02				84.6		L	19:15			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.

Monday, June 16, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KMMW71EM **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 04/25/2008 11:21

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 04/25/2008

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
8127574	H-3	2.44E+03	pCi/L	2.3E+02		2.75E+02	100.0	2.71E+03	906.0_H3_LSC	5.00E-03	05/19/2008			70	D
BS	10028-17-8			1.9E+02				90.0		L	11:40			130	

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

Monday, June 16, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id:	KMMWC1CS	**Sdg/Rept Nbr:**	W05387 39309	**Collection Date:**	04/29/2008 13:28
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BS	**Received Date:**	05/01/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127565	I-129L	1.02E+01	pCi/L	1.3E+00		3.80E-01	94.7	9.67E+00	I129LL_SEP_L	3.994E+00	06/06/2008			70	D
BS	15046-84-1			1.3E+00				105.9		L	12:19			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.

Monday, June 16, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id:	KMMWE1CS	**Sdg/Rept Nbr:**	W05387	39309	**Collection Date:** 04/29/2008 13:28
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BS		**Received Date:** 05/01/2008

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
8127566	SR-90	1.33E+01	pCi/L	2.1E+00		4.73E-01	76.2	1.35E+01	SRISO_SEP_P	1.0004E+00	06/11/2008			70	D
BS	10098-97-2			7.9E-01				98.7		L	05:40			130	

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

Monday, June 16, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id:	KMMWH1CS	**Sdg/Rept Nbr:**	W05387 39309	**Collection Date:**	04/25/2008 09:55
Client Id:	NA	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	BS	**Received Date:**	04/25/2008

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
8127567	ALPHA	2.01E+01	pCi/L	4.6E+00		9.23E-01	100.0	2.28E+01	9310_ALPHAB	2.001E-01	06/03/2008			70	D
BS	12587-46-1			2.1E+00				88.0		L	11:49			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.

Monday, June 16, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KMMWP1CS **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 04/25/2008 13:07

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 04/25/2008

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
8127568	BETA	2.27E+01	pCi/L	3.9E+00		2.55E+00	100.0	2.24E+01	9310_ALPHAB	2.005E-01	06/03/2008			70	D
BS	12587-47-2			2.4E+00				101.1		L	07:56			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.

Monday, June 16, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KMMWW2CS **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 05/01/2008 09:36

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 05/01/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8155256	TC-99	5.03E+02	pCi/L	3.6E+01		1.01E+01	100.0	5.33E+02	TC99_ETVDSK	1.255E-01	06/04/2008			75	D
BS	14133-76-7			1.3E+01				94.3		L	17:09			125	

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

Monday, June 16, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KL3TJ1ER **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 04/25/2008 11:21
Client Id: B1VC05 **Matrix:** WATER WATER **Sample On Date:**
Moisture/Solids%*: **QC Type:** DUP **Received Date:** 04/25/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-025	MW6-SBB-A19981								AT	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127574	H-3	1.83E+03	pCi/L	2.0E+02		2.61E+02	100.0		906.0_H3_LSC	5.00E-03	05/19/2008	6.0	0.8		D
DUP	10028-17-8	1.94E+03		1.7E+02						L	04:48	20.0	3		

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

Monday, June 16, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KL3TM1ER **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 04/25/2008 09:55

Client Id: B1VC26 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 04/25/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-025	MW6-SBB-A19981								AU	H

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127567	ALPHA	1.93E+00	pCi/L	1.3E+00		1.92E+00	100.0		9310_ALPHAB	1.563E-01	06/03/2008	56.3	0.9		D
DUP	12587-46-1	1.08E+00		1.2E+00						L	13:10	20.0	3		

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

Monday, June 16, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KL3TN1ER **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 04/25/2008 13:07

Client Id: B1VC04 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 04/25/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-025	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
8127568	BETA	2.69E+00	pCi/L	1.5E+00		2.68E+00	100.0		9310_ALPHAB	2.004E-01	06/03/2008	4.4	0.1		D
DUP	12587-47-2	2.81E+00		1.4E+00						L	07:56	20.0	3		

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

Monday, June 16, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KME0M1GR **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 05/01/2008 09:36

Client Id: B1V630 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 05/01/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-036	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
8127570	TC-99	6.54E+00	pCi/L	6.0E+00	U	9.61E+00	100.0		TC99_ETVDSK	1.255E-01	06/03/2008	64.4	0.7		D
DUP	14133-76-7	3.36E+00		4.2E+00						L	01:39	20.0	3		

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

Monday, June 16, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id:	KME2D1DR	**Sdg/Rept Nbr:**	W05387	39309	**Collection Date:** 04/29/2008 13:28
Client Id:	B1TJT3	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 05/01/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-028	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
8127565	I-129L	4.60E-01	pCi/L	1.8E-01	U	3.96E-01	94.9		I129LL_SEP_L	3.793E+00	06/06/2008	7.6	0.3		D
DUP	15046-84-1	4.26E-01		1.8E-01						L	10:27	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.

Monday, June 16, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KME2L1DR **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 04/29/2008 13:28

Client Id: B1TJT2 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 05/01/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-028	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
8127566	SR-90	3.77E-02	pCi/L	3.0E-01	U	6.61E-01	76.0		SRISO_SEP_P	9.9657E-01	06/11/2008	90.2	0.3		D
DUP	10098-97-2	9.98E-02		1.5E-01						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.

Monday, June 16, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id: KMEX81ER **Sdg/Rept Nbr:** W05387 39309 **Collection Date:** 05/01/2008 10:29

Client Id: B1VC58 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 05/01/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-036	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
8127573	C-14	2.04E+02	pCi/L	1.2E+01		8.18E+00	100.0		C14_LSC	2.00E-01	06/03/2008	19.1	4.3		D
DUP	14762-75-5	1.68E+02		7.9E+00						L	23:34	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.

Monday, June 16, 2008

TestAmerica Qc Matrix Spike Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05387.Edd, h:\Reportdb\edd\FeadIV\Rad\39309.Edd

Lab Sample Id:	KME0M1FW	**Sdg/Rept Nbr:**	W05387	39309	**Collection Date:** 05/01/2008 09:36
Client Id:	B1V630	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	MS		**Received Date:** 05/01/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-036	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
8127570	TC-99	3.16E+03	pCi/L	1.9E+02		9.48E+00	100.0	3.56E+03	TC99_ETVDSK	1.2576E-01	06/03/2008			60	D
MS	14133-76-7			3.0E+01				88.7		L	00:36			140	

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

TESTAMERICA

TestAmerica

TA Richland
Hexavalent Chromium - Water

Analyst:	L. Dinh	Calibration Curve Information				SOP Information		BATCH #	8122529
Start Date:	5/1/2008		Amount	Conc.(mg/L)	ABS.	RICH-WC-5003		SDG #	
Start Time:		Blank	0.000	0.000	0.000	Revision 7		Matrix	Water
End Date:	5/1/2008	Std. 1	0.100	0.050	0.099				
End Time		Std. 2	0.500	0.250	0.480			Instrument Information	
		Std. 3	0.750	0.375	0.723	MDL (mg/L)	0.002	Instrument:	Hach DR2010
Analyst Signature:		Std. 4	1.500	0.750	1.416			Wavelength:	540
		Std 5	2.000	1.000	1.876			R Squared	0.99990
Date:	05/01/08	Standard Volume (mL):			100.000			Slope:	1.87474
		Date of Curve:			5/1/2008			Intercept:	0.00796

	Calibration Information:	ICV Information:		LCS Information:		Matrix Spike Information:	
Dilution ID #	Cr-08-00087	Cr-08-00088		Cr-08-00087		Cr-08-00087	
Prep Date:	05/01/08	05/01/08		05/01/08		05/01/08	
Concentration (mg/L)	50	50		50		50	
Expiration Date:	05/02/08	05/02/08		05/02/08		05/02/08	
Pipettor(s)	70,190	190		190		190	
Volume Used / Expected Value		1.000	0.50000	1.00	0.50000	0.50	0.26316

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

Sample ID	Client ID	Type	Sample Volume (mL)	Sample ABS.	Blank ABS.	Corrected ABS.	Dilution Factor	Curve Conc. (mg/L)	Final Conc. (mg/L)	% Rec.
n/a	n/a	ICV	100.000	0.915	0.000	0.915	1	0.4838	0.484	96.76%
n/a	n/a	ICB	100.000	0.000	0.000	0.000	1	<MDL	<MDL	
KME3D1AA	n/a	Prep Blank	100.000	-0.001		-0.001	1	<MDL	<MDL	
KME3D1AC	n/a	LCS	100.000	0.947		0.947	1	0.5009	0.501	100.18%
KME0J1AA	B1V652'	Sample	100.000	0.148		0.148	1	0.0747	0.075	
KME0J1AC-S	B1V652'-MS	MS	100.000	0.646		0.646	1	0.3403	~~0.340~~ 0.346	100.94%
KME0J1AD-D	B1V652'-MSD	MSD	100.000	0.647		0.647	1	0.3409	~~0.341~~ 0.346	101.14%
KME0J1AE-X	B1V652'-DUP	Duplicate	100.000	0.144		0.144	1	0.0726	0.073	
			100.000				1		RD 6/9/08	
			100.000				1			
			100.000				1			
			100.000				1			
n/a	n/a	CCV	100.000	0.912		0.912	1	0.4822	0.482	96.44%
n/a	n/a	CCB	100.000	-0.002		-0.002	1	<MDL	<MDL	
			100.000				1			
			100.000				1			
			100.000				1			
			100.000				1			
			100.000				1			

TestAmerica

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

6/4/2008 10:38:10 AM

Lot No., Due Date: J8D250391,J8E010319; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127567; RALPHA-A Alpha by GPC-Am

SDG, Matrix: W05387; 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 Foster **Date** 6-4-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8127567

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?	✓	✓ - 9 UHA/8	
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: 6/4/8

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

6/3/2008 11:33:37 AM

Lot No., Due Date: J8D250391,J8E010319; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127568; RBETA-SR Beta by GPC-Sr/Y

SDG, Matrix: W05387; 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** 6.3.8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 812 7568

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: 6/4/18

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

TestAmerica

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

6/11/2008 9:59:22 AM

Lot No., Due Date: J8E010311,J8E010323; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127566; RSR85907 Sr-85/90 by GPC-7

SDG, Matrix: W05387; 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 [signature] **Date** 6-11-8

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist
RADIOCHEMISTRY
Second Level Review

Batch Number: 8127564

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: [signature] Date: 6/11/18

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

6/10/2008 11:52:05 AM

Lot No., Due Date: J8E010323; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127565; RGAMLEPS Gamma by LEPS

SDG, Matrix: W05387; 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 [signature] **Date** 6-10-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 81275165

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: 6/10/8

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

TestAmerica

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

6/5/2008 8:10:51 AM

Lot No., Due Date: ; PGW J8E010311 4/14/08

Client, Site: PGW

QC Batch No., Method Test: 8155256; TC99

SDG, Matrix: ; W05387

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 results, yield, and MDA within contract limits? Yes No ✓ N/A

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

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

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

4.0 Raw Data

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

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

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

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

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

5.0 Other

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

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

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

5.4 Was transcription checked? Yes ✓ No N/A

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

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

6.0 Comments on any No response:

Please see NCM # 10-12471

First Level Review John Morton **Date** 6-5-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist
RADIOCHEMISTRY
Second Level Review

Batch Number: 8155256

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: The blank was elevated. C-NCM

Second Level Review: [signature] Date: 06-05-08

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

Clouseau
Nonconformance Memo

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

NCM #: **10-12471**
NCM Initiated By: John Norton
Date Opened: 06/05/2008
Date Closed:

Classification: **Anomaly**
Status: **CHREVIEW**
Production Area: Counting
Tests: Tc-99 by LSC
Lot #'s (Sample #'s): J8E010311 (4), J8E060000 (570),
QC Batches: 8127570,

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

Problem Description / Root Cause

Name	Date	Description
John Norton	06/05/2008	The blank and the LCS showed an elevated TSIE.

Corrective Action

Name	Date	Corrective Action
John Norton	06/05/2008	The blank and the LCS were re-counted in batch # 8155256 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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

5/20/2008 12:00:11 PM

Lot No., Due Date: J8D250391,J8E010311; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127574; RTRITIUM H-3 by LSC

SDG, Matrix: W05387; 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** 5-20-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 812574

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

Comments on any "No" response: _____

Second Level Review: Erika Todd Date: 5/26/18

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

TestAmerica

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

6/5/2008 12:56:43 PM

Lot No., Due Date: J8E010311; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127573; RC14 C-14 by LSC

SDG, Matrix: W05387; WATER

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

6.0 Comments on any No response:

First Level Review John Horton **Date** 6-5-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8127573

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: 6/9/18

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

TestAmerica

Richland Laboratory
Data Review Check List
Hexavalent Chromium

Batch Number(s): **8122529** J8E010311 Due 6/16

Lab Sample Numbers or WQ5387

Method/Test/Parameter: **Cr+6 in Water / RICH-WC-5003**

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

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

Comments on any "No" response:

Analyst: _____ Date: 5/01/08

Second-Level Review: _____ Date: 6/13/08

TESTAMERICA

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST J8D250391 W05387 Due 06-09-08	C.O.C. # I08-025-186 Page 1 of 1

39
26
65

Collector J. P. Herrick	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I08-025	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 100HR3IAM(1/2), MARCH 2008	HNF-N-506 13	Ice Chest No. SWL 461 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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VC05		W	4-25-08	1121	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC05		W			1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VC05		W			1x20-mL P	Activity Scan	None
						KL375	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
J. P. Herrick	J. Herrick		1513 APR 25 2008	DAVID HARBINSO			1513 APR 25 2008
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

55

TESTAMERICA

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D250391 W05387 Due 06-09-08

C.O.C. # **I08-025-231**

Page 1 of 1

Collector: J. P. Herrick	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-025	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100HR3IAM(1/2), MARCH 2008	HNF-N-506 13	Ice Chest No.: SWL 461 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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VC26		W	4-25-08	0955	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC26		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VC26		W	↓	↓	1x20-mL P	Activity Scan	None
						KL3TM	

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
J. P. Herrick	APR 25 2008 1513	David Hanbiso	APR 25 2008 1513

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

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST J8D250391 W05387 Due 06 09 08	C.O.C. # I08-025-185 Page 1 of 1

Collector: J. P. Herrick	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-025	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100HR3IAM(1/2) MARCH 2008	HNE-N-506 13	Ice Chest No.: 3WL 461 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
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VC04		W	4-25-08	1307	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC04		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VC04		W	↓	↓	1x20-mL P	Activity Scan	None
						RL3TN	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
J. P. Herrick	J. Herrick		1513 APR 25 2008		DAVID HARRISON		1513 APR 25 2008
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

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D250391 W05387 Due 06-09-08

C.O.C. # **I08-025-233**

Page 1 of 1

Collector: F.M. Hall	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-025	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: I00HR3IAM(1/2), MARCH 2008	HNF-N-506-10	Ice Chest No. 5442-46 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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VC28		W	4/25/8	1046	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC28		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VC28		W			1x20-mL P	Activity Scan	None
						KL3TQ	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
F.M. Hall			APR 25 2008 1513	David Harbinson			APR 25 2008 1513
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

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST J8D250391 W05387 Due 06 09 08	C.O.C. # I08-025-232 Page 1 of 1

Collector F.M. Hall	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I08-025	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 100HR3IAM(1/2), MARCH 2008	HNF-N-506-10	Ice Chest No. 5442-461 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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VC27		W	4/25/8	1005	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC27		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VC27		W			1x20-mL P	Activity Scan	None
						KL3TT	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
F.M. Hall		APR 25 2008	1513		DAVID HARBINSON	APR 25 2008	1513
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TESTAMERICA

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST J8D250391 W05387 Due 06-09-08	C.O.C. # I08-025-187 Page 1 of 1

Collector F.M. Hall	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I08-025	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 100HR3IAM(1/2), MARCH 2008	HNF-N-506-10	Ice Chest No. SEK-461 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
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VC06		W	4/25/8	0930	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC06		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VC06		W	↓	↓	1x20-mL P	Activity Scan	None
						KL3TO	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
F.M. Hall		APR 25 2008	1513		David Harbinson	APR 25 2008	1513
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

60

TESTAMERICA

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST J8D250391 W05387 Due 06-09-08	C.O.C. # I08-025-168 Page 1 of 1

Collector F.M. Hall	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I08-025	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 100HR3IAM(1/2), MARCH 2008	HNF-N-506-10	Ice Chest No. SML-461 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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VBY8		W	4/25/8	1206	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VBY8		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VBY8		W			1x20-mL P	Activity Scan	None
						KL3T4	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
F.M. Hall		APR 25 2008	1513	David Hanbi		APR 25 2008	1513
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TESTAMERICA

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST JSD250391 W05387 Due 06-09-08	C.O.C. # I08-025-201 Page 1 of 1

Collector: FLUOR HANFORD R.F. CARRIGAN	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: 108-025	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100HR3IAM(1/2), MARCH 2008	HNF N-50675	Ice Chest No.: 9W5-1 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**
Site-Wide Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VC12		W	4-25-08	1340	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC12		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VC12		W	↓	↓	1x20-mL P	Activity Scan	None
						RL3T7	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD R.F. CARRIGAN	RF Carrigan		APR 25 2008 1513	DAVID HARBISON			APR 25 2008 1513
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

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D250391 W05387 Due 06-09-08

C.O.C. # **I08-025-172**

Page 1 of 1

Collector: FLUOR HANFORD R.E. CARRIGAN	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-025	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100HR3IAM(1/2), MARCH 2008	HNF-N-506-15	Ice Chest No.: 3WS-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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VC00		W	4-25-08	0936	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC00		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VC00		W			1x20-mL P	Activity Scan	None
						KL3T8	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD R.E. CARRIGAN			APR 25 2008 1513	David Harbinson			APR 25 2008 1513
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

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D250391 Due 06 09 08 ~~Due 06 55~~

C.O.C. # **I08-025-202**

Page 1 of 1

Collector: FLUOR HANFORD R.F. CARRIGAN	Contact/Requester: Steve Trent W05387	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-025	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100HR3IAM(1/2), MARCH 2008	HNF N-506-15	Ice Chest No.: SWS-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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VC13		W	4-25-08	1316	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC13		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VC13		W	↓	↓	1x20-mL P	Activity Scan	None

KL3T9

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD R.F. CARRIGAN	R.F. Carrigan		APR 25 2008 1513	David Harbinson			APR 25 2008 1513
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

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST J8D250391 W05387 Due 06-09-08	C.O.C. # I08-025-199 Page 1 of 1

Collector: FLUOR HANFORD R.E. CARRIGAN	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-025	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100HR3IAM(1/2) MARCH 2008	HNF-N-526 1/2-15 4-25-08	Ice Chest No.: 3WS-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 ☐
Site-Wide Generator Knowledge Information Form applies

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VC10		W	4-25-08	1015	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC10		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VC10		W	↓	↓	1x20-mL P	Activity Scan	None
						KL3VA	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD R.E. CARRIGAN	R.E. Carrigan		1513 APR 25 2008	DAVID HARDING			1513 APR 25 2008
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

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST J8D250391 W05387 Due 06-09-08	C.O.C. # 108-025-200 Page 1 of 1

FLUOR HANFORD R.F. CARRIGAN	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. 108-025	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 100HR3IAM(1/2), MARCH 2008	HNF-N-506-15	Ice Chest No. SW5-1 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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VC11		W	4-25-08	1121	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC11		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VC11		W	↓	↓	1x20-mL P	Activity Scan	None
						KL3VC	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD R.F. CARRIGAN	R.F. Carrigan		APR 25 2008 1513	David Harbison			APR 25 2008 1513
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

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D250391 W05387 Due 06 09 08

C.O.C. # **I08-025-217**

Page 1 of 1

FLUOR HANFORD Collector R.F. CARRIGAN	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. 108-025	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 100HR3IAM(1/2), MARCH 2008	HNF-N-506-15	Ice Chest No. SWS-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 ☐
Site-Wide Generator Knowledge Information Form applies.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VC20		W	4-25-08	1204	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC20		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VC20		W	↓	↓	1x20-mL P	Activity Scan	None
						KL3VD	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
FLUOR HANFORD R.F. CARRIGAN	R.F. Carrigan		APR 25 2008 1513	David HARBISON			APR 25 2008 1513
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

Sample Check-in List

Date/Time Received: 04 25 08 15:13 **GM Screen Result** /

Client: PGW **SDG #:** W05387 NA[ ] **SAF #:** I08-025 NA [ ]

Work Order Number: J8D250391 **Chain of Custody #** I08-025-186, 231, 185, 233, 232, 187, 168, 201, 172, 202, 199 200, 217

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: 13
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: DH L. Smith **Date:** 04-25-08

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

LS-023, Rev. 7, 1/08

TESTAMERICA

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # I08-036-85
	J8E070311 ~~W05388~~ NS Due 06 16 08	Page 1 of 1

Collector: R. A. Shepard	Contact/Requester: Steve Trent W05387	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-036	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100KR4IAM(1/2), MAY 2008	HNF-N-506-13	Ice Chest No. 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
B1VC58		W	5-1-08	1029	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC58		W			1x20-mL P	Activity Scan	None
B1VC58		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1VC58		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
						KMEX8	

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
R. A. Shepard	MAY 0 1 2008 1310	LJLANE TAL	MAY 0 1 2008 1310

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

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST J8E070311 W05387 Due 06 16 08	C.O.C. # 108-036-83 Page 1 of 1

Collector: R. A. Shepard	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: 108-036	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100KR4IAM(1/2), MAY 2008	HNF-N-506-13	Ice Chest No. 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
B1VC56		W	5-1-08	0848	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC56		W			1x20-mL P	Activity Scan	None
B1VC56		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1VC56		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
						KMEOL	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. A. Shepard			MAY 01 2008 1310		LJ LANE	TAL	MAY 01 2008 1310
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

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST J8E010311 W05387 Due 06 16 08	C.O.C. # 108-036-41 Page 1 of 1

Collector: R. A. Shepard	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: 108-036	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100KR4IAM(1/2) ~~MAY 2008~~ APRIL 2008 JXR 4/29/08 HHF-N-506-13		Ice Chest No. 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
B1V630		W	5-1-08	0936	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1V630		W			1x20-mL P	Activity Scan	None
B1V630		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1V630		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
B1V630		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
						KMEOM	

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
R. A. Shepard	MAY 01 2008 1310	LJLANE TAL	MAY 01 2008 1310
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

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

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

TESTAMERICA

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST J8E010311 W05387 Due 06 16 08	C.O.C. # I08-036-86 Page 1 of 1

Collector: R. A. Shepard	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-036	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100KR4IAM(1/2) ~~MAY 2008~~ April 2008 4/29/08	HNF-N-506-13	Ice Chest No. 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
B1V652		W	5-1-08	0936	1x500-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C
B1V652		W	/	/	1x20-mL P	Activity Scan	None
						KMEOJ	

Relinquished By	Date/Time	Received By	Date/Time
Print: R. A. Shepard Sign: [signature]	MAY 0 1 2008 1310	Print: LJ LANE TAL Sign: [signature]	MAY 0 1 2008 1310
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: 05-01-08 1310 **GM Screen Result** .1

Client: PTW **SDG #:** W05387 NA[ ] **SAF #:** I08-036 NA [ ]

Work Order Number: J8E010311 **Chain of Custody #** I08-036-85, 56, 83, 41

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: 54

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:** 5/08

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

TESTAMERICA

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST J8E010319 W05387 Due 06/16/08	C.O.C. # W08-004-206 Page 1 of 1

Collector R. D. Julian	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. W08-004	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title RCRA, APRIL 2008	HWF-N-506-15	Ice Chest No. SINL-600 Temp.
Shipped To (Lab) TestAmerica Incorporated, Richland	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol RCRA	Priority: 45 Days	Offsite Property No.

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1V077		W	4-30-08	1003	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1V077		W	↓	↓	1x20-mL P	Activity Scan	None
						KMEIC	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. D. Julian			APR 30 2008 1310		LJ LANE	TAL	APR 30 2008 1310
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
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Sample Check-in List

04.30.08 ~~4.30.08~~ ~~5.1.08~~

Date/Time Received: ~~05.01.08~~ 1310 **GM Screen Result** 1

Client: PGW **SDG #:** W05387 NA[ ] **SAF #:** W08-004 NA [ ]

Work Order Number: J8E070319 **Chain of Custody #** W08-004-204

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

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

Sample Custodian: [signature] **Date:** 04/30/08 ~~5/1/08~~

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

J8E010323 W05387 Due 06-16-08

C.O.C. # **I08-028-19**

Page 1 of 1

Collector	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-028	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1, MARCH 2008	HNF-M-50L-13	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TJT3		W	4-29-08	1328	1x20-mL P	Activity Scan	None
B1TJT3		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1TJT3		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2

KME2D

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
			1310 5-1-08		L J LANE	TAL	1310 5-1-08
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TESTAMERICA

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8E010323 005387 Due 06-16-08

C.O.C. # **I08-028-18**

Page 1 of 1

Collector	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-028	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 2UP1, MARCH 2008	1HNF-N-606-13	**Ice Chest No.** **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TJT2		W	4-29-08	1328	1x20-mL P	Activity Scan	None
B1TJT2		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1TJT2		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
						KMEZL	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
			1310 5-1-08		LJLANE	TAL	1310 5-1-08
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 05 01 08 1310 **GM Screen Result** .1

Client: PGW **SDG #:** W05387 NA[ ] **SAF #:** I08-028 NA [ ]

Work Order Number: J8E070323 **Chain of Custody #** I08-028-18, 19

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: [signature] **Date:** 5/08

Client Sample ID	Analysis Requested	Condition	Comments/Action

Client Informed on _____ by _____ Person Contacted _____

[ ] No action necessary; process as is.

Project Manager _____ Date _____

LS-023, Rev. 7, 1/08

TESTAMERICA

5/22/2008 8:41:55 AM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AZ Gross Alpha PrpRC5014
S7 Gross Alpha by GPC using Am-241 curve
5I CLIENT: HANFORD

Balance Id:1120482733
Pipet #: 245

AnalyDueDate: 06/09/2008 WD5387

Batch: 8127567 WATER pCi/L
SEQ Batch, Test: None

PM, Quote: SS , 57671

Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech: ,HarrisD | Back 2

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 KL3TJ-1-AC J8D250391-1-SAMP 04/25/2008 11:21		184.90g,in AmtRec: 20ML,2XLP #Containers: 3		1.5	40.6	~~200~~ 50 ats 5/22/08	1CB	1115	6/7/crm	Scr: Alpha: 4.95E-04 uCi/Sa Beta: -9.38E-05 uCi/Sa
2 KL3TM-1-AC J8D250391-2-SAMP 04/25/2008 09:55		156.20g,in AmtRec: 20ML,2XLP #Containers: 3			40.4	100	1IA	1401	6/3/crm	Scr: Alpha: -1.53E-04 uCi/Sa Beta: 3.25E-04 uCi/Sa
3 KL3TM-1-AE-X J8D250391-2-DUP 04/25/2008 09:55		156.30g,in AmtRec: 20ML,2XLP #Containers: 3			40.3		1IB			Scr: Alpha: -1.53E-04 uCi/Sa Beta: 3.25E-04 uCi/Sa
4 KL3TN-1-AC J8D250391-3-SAMP 04/25/2008 13:07		125.20g,in AmtRec: 20ML,2XLP #Containers: 3			19.3		1IC			Scr: Alpha: 2.84E-04 uCi/Sa Beta: 3.03E-04 uCi/Sa
5 KL3TQ-1-AC J8D250391-4-SAMP 04/25/2008 10:46		200.10g,in AmtRec: 20ML,2XLP #Containers: 3			33.3	50	1CC	1115	6/7/crm	Scr: Alpha: 5.11E-06 uCi/Sa Beta: 4.58E-04 uCi/Sa
6 KL3TT-1-AC J8D250391-5-SAMP 04/25/2008 10:05		200.30g,in AmtRec: 20ML,2XLP #Containers: 3			44.9		1CD			Scr: Alpha: -1.69E-05 uCi/Sa Beta: 4.58E-04 uCi/Sa
7 KL3T0-1-AC J8D250391-6-SAMP 04/25/2008 09:30		161.10g,in AmtRec: 20ML,2XLP #Containers: 3			40.3		1CE			Scr: Alpha: 3.00E-04 uCi/Sa Beta: 3.86E-05 uCi/Sa

TESTAMERICA

5/22/2008 8:41:56 AM

Sample Preparation/Analysis

Balance Id:1120482733

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AZ Gross Alpha PrpRC5014
S7 Gross Alpha by GPC using Am-241 curve
5I CLIENT: HANFORD

Pipet #: _____

AnalyDueDate: 06/09/2008

Sep1 DT/Tm Tech:

Batch: 8127567 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 KL3T4-1-AC J8D250391-7-SAMP 04/25/2008 12:06		161.10g,in AmtRec: 20ML,2XLP #Containers: 3		1.5	39.6	50	10F Scr:	1115 Alpha: -2.01E-04 uCi/Sa	6/7/08 RM Beta: 3.03E-04 uCi/Sa	
9 KL3T7-1-AC J8D250391-8-SAMP 04/25/2008 13:40		200.30g,in AmtRec: 20ML,2XLP #Containers: 3			44.8		10A Scr:	1229 Alpha: 3.27E-04 uCi/Sa	6/7/08 RL Beta: -4.96E-05 uCi/Sa	
10 KL3T8-1-AC J8D250391-9-SAMP 04/25/2008 09:36		200.00g,in AmtRec: 20ML,2XLP #Containers: 3			43.2		10B Scr:	Alpha: -9.76E-05 uCi/Sa	Beta: 6.12E-04 uCi/Sa	
11 KL3T9-1-AC J8D250391-10-SAMP 04/25/2008 13:16		200.20g,in AmtRec: 20ML,2XLP #Containers: 3			28.2		10C Scr:	Alpha: -1.31E-04 uCi/Sa	Beta: 4.36E-04 uCi/Sa	
12 KL3VA-1-AC J8D250391-11-SAMP 04/25/2008 10:15		192.20g,in AmtRec: 20ML,2XLP #Containers: 3			41.2		10D Scr:	Alpha: 1.91E-04 uCi/Sa	Beta: 3.92E-04 uCi/Sa	
13 KL3VC-1-AC J8D250391-12-SAMP 04/25/2008 11:21		200.10g,in AmtRec: 20ML,2XLP #Containers: 3			33.1		10E Scr:	Alpha: 3.36E-04 uCi/Sa	Beta: 4.58E-04 uCi/Sa	
14 KL3VD-1-AC J8D250391-13-SAMP 04/25/2008 12:09		166.60g,in AmtRec: 20ML,2XLP #Containers: 3			37.0		10F Scr:	Alpha: -3.98E-04 uCi/Sa	Beta: 6.56E-04 uCi/Sa	

80

TESTAMERICA

5/22/2008 8:41:57 AM

Sample Preparation/Analysis

Balance Id:1120482733

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AZ Gross Alpha PrpRC5014
S7 Gross Alpha by GPC using Am-241 curve
5I CLIENT: HANFORD

Pipet #: ___

AnalyDueDate: 06/09/2008

Sep1 DT/Tm Tech:

Batch: 8127567 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:
15 KME1C-1-AA J8E010319-1-SAMP 04/30/2008 10:03		102.10g,in AmtRec: 20ML,LP	#Containers: 2	1.5	24.5	100	12A Scr:	1240 Alpha: 8.43E-05 uCi/Sa	6/3/08 MC Beta: 1.10E-05 uCi/Sa	
16 KMMWH-1-AA-B J8E060000-567-BLK 04/25/2008 09:55		200.50g,in AmtRec:	#Containers: 1		0.6		12B Scr:	Alpha:	Beta:	
17 KMMWH-1-AC-C J8E060000-567-LCS 04/25/2008 09:55		200.10g,in AmtRec:	ASD4473 05/01/08,pd 06/01/01,r #Containers: 1		0.9		12C Scr:	Alpha:	Beta:	

Comments: pH<2. Aliquots reduced due to wt screens DH 5/22/08

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

KL3TJ1AC-SAMP Constituent List:
ALPHA RDL:3 pCi/L LCL: UCL: RPD:
KMMWH1AA-BLK:
ALPHA RDL:3 pCi/L LCL: UCL: RPD:
KMMWH1AC-LCS:
Am-241 RDL: pCi/L LCL:70 UCL:130 RPD:20

KL3TJ1AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMWH1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMWH1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

TESTAMERICA

5/22/2008 8:41:58 AM

Sample Preparation/Analysis

AZ Gross Alpha PrpRC5014
S7 Gross Alpha by GPC using Am-241 curve
5I CLIENT: HANFORD

Balance Id:1120482733

Pipet #:

Sep1 DT/Tm Tech:

Sep2 DT/Tm Tech:

Prep Tech: ,HarrisD

AnalyDueDate: 06/09/2008

Batch: 8127567 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:

Approved By _____ Date: _____

6/4/2008 10:36:59 AM

ICOC Fraction Transfer/Status Report

ByDate: 6/5/2007, 6/9/2008, Batch: '8127567', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127567						
AC		Rev1C	HarrisD	5/22/2008 8:30:02		
SC			wagarr	IsBatched	5/6/2008 3:58:29 PM	ICOC_RADCALC v4.8.32
SC			HarrisD	InPrep	5/22/2008 8:30:02 AM	RICH-RC-5014 Revision 7
SC			HarrisD	Prep1C	5/22/2008 8:42:01 AM	RICH-RC-5014 REVISION 7
SC			BockJ	InPrep2	5/29/2008 11:11:10 AM	RICH-RC-5014 REVISION 7
SC			BockJ	Prep2C	6/2/2008 5:43:35 PM	RICH-RC-5014 REVISION 7
SC			DAWKINSO	InCnt1	6/2/2008 6:15:06 PM	RICH-RD-0003 REVISION 5
SC			DAWKINSO	CalcC	6/3/2008 5:35:55 PM	RICH-RD-0003 REVISION 5
SC			nortonj	Rev1C	6/4/2008 10:36:51 AM	RICH-RC-0002 REV 8
AC			HarrisD	5/22/2008 8:42:01		
AC			BockJ	5/29/2008 11:11:10		
AC			BockJ	6/2/2008 5:43:35 PM		
AC			DAWKINSO	6/2/2008 6:15:06 PM		
AC			DAWKINSO	6/3/2008 5:35:55 PM		
AC			nortonj	6/4/2008 10:36:51		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Page 1

Grp Rec Cnt: 7

ICOCFractions v4.8.33

TESTAMERICA

5/22/2008 8:57:32 AM

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AnalyDueDate: 06/09/2008 W05387

Batch: 8127568 WATER pCi/L

SEQ Batch, Test: None

Sample Preparation/Analysis

BC Gross Beta PrpRC5014
S8 Gross Beta by GPC using Sr/Y-90 curve
5I CLIENT: HANFORD

PM, Quote: SS , 57671

Balance Id:1120482733
Pipet #: 245
Sep1 DT/Tm Tech:
Sep2 DT/Tm Tech:
Prep Tech: ,HarrisD | Rock 2

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 KL3TJ-1-AD J8D250391-1-SAMP 04/25/2008 11:21		200.00g,in AmtRec: 20ML,2XLP #Containers: 3		1.5	74.9	100	26A Scr:	0845 Alpha: 4.95E-04 uCi/Sa	6/3/08 Beta: -9.38E-05 uCi/Sa	
2 KL3TM-1-AD J8D250391-2-SAMP 04/25/2008 09:55		199.90g,in AmtRec: 20ML,2XLP #Containers: 3			77.4		26B Scr:	Alpha: 1.53E-04 uCi/Sa	Beta: 3.25E-04 uCi/Sa	
3 KL3TN-1-AD J8D250391-3-SAMP 04/25/2008 13:07		200.50g,in AmtRec: 20ML,2XLP #Containers: 3			56.0		26C Scr:	Alpha: 2.84E-04 uCi/Sa	Beta: 3.03E-04 uCi/Sa	
4 KL3TN-1-AE-X J8D250391-3-DUP 04/25/2008 13:07		200.40g,in AmtRec: 20ML,2XLP #Containers: 3			60.5		26D Scr:	Alpha: 2.84E-04 uCi/Sa	Beta: 3.03E-04 uCi/Sa	
5 KL3TQ-1-AD J8D250391-4-SAMP 04/25/2008 10:46		200.40g,in AmtRec: 20ML,2XLP #Containers: 3			65.1		27A Scr:	Alpha: 5.11E-06 uCi/Sa	Beta: 4.58E-04 uCi/Sa	
6 KL3TT-1-AD J8D250391-5-SAMP 04/25/2008 10:05		200.20g,in AmtRec: 20ML,2XLP #Containers: 3			83.6		27B Scr:	Alpha: -1.69E-05 uCi/Sa	Beta: 4.58E-04 uCi/Sa	
7 KL3T0-1-AD J8D250391-6-SAMP 04/25/2008 09:30		200.50g,in AmtRec: 20ML,2XLP #Containers: 3			91.6		27D Scr:	Alpha: 3.00E-04 uCi/Sa	Beta: 3.86E-05 uCi/Sa	

TESTAMERICA

5/22/2008 8:57:33 AM

Sample Preparation/Analysis

Balance Id:1120482733

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

BC Gross Beta PrpRC5014
S8 Gross Beta by GPC using Sr/Y-90 curve
5I CLIENT: HANFORD

Pipet #: _____

AnalyDueDate: 06/09/2008

Sep1 DT/Tm Tech:

Batch: 8127568 **WATER** **pCi/L** **PM, Quote: SS , 57671**

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	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 KL3T4-1-AD J8D250391-7-SAMP 04/25/2008 12:06	AmtRec: 20ML,2XLP	200.10g,in	#Containers: 3	1.5	98.3	100	3A	0845	6/3/08	Scr: Alpha: -2.01E-04 uCi/Sa Beta: 3.03E-04 uCi/Sa
9 KL3T7-1-AD J8D250391-8-SAMP 04/25/2008 13:40	AmtRec: 20ML,2XLP	200.40g,in	#Containers: 3		75.1		3B			Scr: Alpha: 3.27E-04 uCi/Sa Beta: -4.96E-05 uCi/Sa
10 KL3T8-1-AD J8D250391-9-SAMP 04/25/2008 09:36	AmtRec: 20ML,2XLP	200.30g,in	#Containers: 3		77.8		3C			Scr: Alpha: -9.76E-05 uCi/Sa Beta: 6.12E-04 uCi/Sa
11 KL3T9-1-AD J8D250391-10-SAMP 04/25/2008 13:16	AmtRec: 20ML,2XLP	200.10g,in	#Containers: 3		57.2		3D			Scr: Alpha: -1.31E-04 uCi/Sa Beta: 4.36E-04 uCi/Sa
12 KL3VA-1-AD J8D250391-11-SAMP 04/25/2008 10:15	AmtRec: 20ML,2XLP	200.10g,in	#Containers: 3		84.1		31A			Scr: Alpha: 1.91E-04 uCi/Sa Beta: 3.92E-04 uCi/Sa
13 KL3VC-1-AD J8D250391-12-SAMP 04/25/2008 11:21	AmtRec: 20ML,2XLP	200.10g,in	#Containers: 3		57.2		31B			Scr: Alpha: 3.36E-04 uCi/Sa Beta: 4.58E-04 uCi/Sa
14 KL3VD-1-AD J8D250391-13-SAMP 04/25/2008 12:09	AmtRec: 20ML,2XLP	200.10g,in	#Containers: 3		82.7		31D			Scr: Alpha: -3.98E-04 uCi/Sa Beta: 6.56E-04 uCi/Sa

85

TESTAMERICA

5/22/2008 8:57:34 AM

Sample Preparation/Analysis

Balance Id:1120482733

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

BC Gross Beta PrpRC5014
S8 Gross Beta by GPC using Sr/Y-90 curve
5I CLIENT: HANFORD

Pipet #: _____

AnalyDueDate: 06/09/2008

Sep1 DT/Tm Tech:

Batch: 8127568 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:
15 KME1C-1-AC J8E010319-1-SAMP 04/30/2008 10:03	AmtRec: 20ML,LP	200.30g,in	#Containers: 2	1.5	19.6	100	3J7	08/15	6/3/08	Scr: Alpha: 8.43E-05 uCi/Sa Beta: 1.10E-05 uCi/Sa
16 KMMWP-1-AA-B J8E060000-568-BLK 04/25/2008 13:07	AmtRec:	200.10g,in	#Containers: 1		Ø		3J5			Scr: Alpha: Beta:
17 KMMWP-1-AC-C J8E060000-568-LCS 04/25/2008 13:07	AmtRec:	200.50g,in	BESB3249 04/17/08,pd 08/08/06 r #Containers: 1		0.3		3JC			Scr: Alpha: Beta:

Comments: pH<2.0 DLH 5/22/08

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

KL3TJ1AD-SAMP Constituent List:
BETA RDL:4 pCi/L LCL: UCL: RPD:
KMMWP1AA-BLK:
BETA RDL:4 pCi/L LCL: UCL: RPD:
KMMWP1AC-LCS:
Sr-90 RDL: pCi/L LCL:70 UCL:130 RPD:20

KL3TJ1AD-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMWP1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMWP1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

86

TESTAMERICA

5/22/2008 8:57:35 AM

Sample Preparation/Analysis

Balance Id:1120482733

BC Gross Beta PrpRC5014
S8 Gross Beta by GPC using Sr/Y-90 curve
5I CLIENT: HANFORD

Pipet #: _____

AnalyDueDate: 06/09/2008

Sep1 DT/Tm Tech:

Batch: 8127568 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	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:

Approved By _____ Date: _____

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: 17
Prep_SamplePrep v4.8.32

87

6/3/2008 11:32:36 AM

ICOC Fraction Transfer/Status Report

ByDate: 6/4/2007, 6/8/2008, Batch: '8127568', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127568						
AC		**Rev1C**	**HarrisD**	5/22/2008 8:47:18		
SC			wagarr	IsBatched	5/6/2008 3:58:29 PM	ICOC_RADCALC v4.8.32
SC			HarrisD	InPrep	5/22/2008 8:47:18 AM	RICH-RC-5014 Revision 7
SC			HarrisD	Prep1C	5/22/2008 8:57:35 AM	RICH-RC-5014 REVISION 7
SC			BockJ	InPrep2	5/29/2008 11:11:04 AM	RICH-RC-5014 REVISION 7
SC			BockJ	Prep2C	6/2/2008 5:43:49 PM	RICH-RC-5014 REVISION 7
SC			DAWKINSO	InCnt1	6/2/2008 6:15:18 PM	RICH-RD-0003 REVISION 5
SC			ClarkR	CalcC	6/3/2008 9:42:45 AM	RICH-RD-0003 REVISION 5
SC			nortonj	Rev1C	6/3/2008 11:32:26 AM	RICH-RC-0002 REV 8
AC			**HarrisD**	5/22/2008 8:57:35		
AC			**BockJ**	5/29/2008 11:11:04		
AC			**BockJ**	6/2/2008 5:43:49 PM		
AC			**DAWKINSO**	6/2/2008 6:15:18 PM		
AC			**ClarkR**	6/3/2008 9:42:45 AM		
AC			**nortonj**	6/3/2008 11:32:26		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 7

ICOCFractions v4.8.33

TESTAMERICA

6/9/2008 5:07:27 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

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

Balance Id:1120373922

Pipet #: _____

AnalyDueDate: 06/16/2008

Sep1 DT/Tm Tech: 06/02/2008 15:23,ManisD

Batch: 8127566 WATER pCi/L
SEQ Batch, Test: None

PM, Quote: SS , 57671

Sep2 DT/Tm Tech: 06/09/2008 10:44,ManisD

Prep Tech: ,LucasD

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 KMEX8-1-AD J8E010311-1-SAMP		989.78g,in	SRTB16224 05/21/08,pd 05/22/07 r	0.7906	1.0	22.9	100	3A 2A	0651 0630	[illegible] [illegible]	
						~~06/02/2008 15:23,s1, 06/09/2008~~					
05/01/2008 10:29		AmtRec: 20ML,6XLP		#Containers: 7				Scr:	Alpha: -1.32E-04 uCi/Sa		Beta: 2.25E-04 uCi/Sa
2 KME0L-1-AD J8E010311-3-SAMP		1001.04g,in	SRTB16225 05/21/08,pd 05/22/07 r	0.8458	1.0	23.4	100	3B 2B	0651 0630	[illegible] [illegible]	
						~~06/02/2008 15:23,s1, 06/09/2008~~					
05/01/2008 08:48		AmtRec: 20ML,6XLP		#Containers: 7				Scr:	Alpha: -2.18E-04 uCi/Sa		Beta: 1.59E-04 uCi/Sa
3 KME0M-1-AD J8E010311-4-SAMP		1000.59g,in	SRTB16226 05/21/08,pd 05/22/07 r	0.8164	1.0	22.8	100	3C 2C	0651 0630	[illegible] [illegible]	
						~~06/02/2008 15:23,s1, 06/09/2008~~					
05/01/2008 09:36		AmtRec: 20ML,500MLP,6XLP		#Containers: 8				Scr:	Alpha: -6.75E-04 uCi/Sa		Beta: 3.87E-04 uCi/Sa
4 KME2D-1-AC J8E010323-1-SAMP		978.76g,in	SRTB16227 05/21/08,pd 05/22/07 r	0.8464	1.0	23	100	3D 2D	0651 0630	[illegible] [illegible]	
						~~06/02/2008 15:23,s1, 06/09/2008~~					
04/29/2008 13:28		AmtRec: 20ML,3XLP,2X4LP		#Containers: 6				Scr:	Alpha: 5.57E-03 uCi/Sa	3.6E-01L	Beta: -1.29E-03 uCi/Sa

TESTAMERICA

6/9/2008 5:07:28 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AnalyDueDate: 06/16/2008

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

Balance Id:1120373922

Pipet #: _____

Sep1 DT/Tm Tech: 06/02/2008 15:23,ManisD

Sep2 DT/Tm Tech: 06/09/2008 10:44,ManisD

Prep Tech: ,LucasD

Batch: 8127566 **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	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
5 KME2L-1-AC		1002.39g,in	SRTB16228		1.0	23.6	100	4A	0 0657	6/10/08	
J8E010323-2-SAMP			05/21/08,pd	0.7287				4A	0630	6/11/08	
			05/22/07 r								
						~~06/02/2008 15:23;s1, 06/09/2008~~					
04/29/2008 13:28		AmtRec: 20ML,3XLP,2X4LP	#Containers: 6					Scr:	Alpha: 3.98E-03 uCi/Sa		Beta: 1.14E-03 uCi/Sa
6 KME2L-1-AD-X		996.57g,in	SRTB16229		1.0	23	100	4B	0657	6/10/08	
J8E010323-2-DUP			05/21/08,pd	0.8394				4B	0630	6/11/08	
			05/22/07 r								
						~~06/02/2008 15:23;s1, 06/09/2008~~					
04/29/2008 13:28		AmtRec: 20ML,3XLP,2X4LP	#Containers: 6					Scr:	Alpha: 3.98E-03 uCi/Sa		Beta: 1.14E-03 uCi/Sa
7 KMMWE-1-AA-B		1000.11g,in	SRTB16230		1.0	23.2	100	4C	0657	6/10/08	
J8E060000-566-BLK			05/21/08,pd	0.7932				4C	0630	6/11/08	
			05/22/07 r								
						~~06/02/2008 15:23;s1, 06/09/2008~~					
04/29/2008 13:28		AmtRec:	#Containers: 1					Scr:	Alpha:		Beta:
8 KMMWE-1-AC-C		1000.43g,in	SRSG1467		1.0	22.8	100	4D	0657	6/10/08	
J8E060000-566-LCS			04/11/08,pd	0.8493				4D	0630	6/11/08	
			05/22/07 r								
						~~06/02/2008 15:23;s1, 06/09/2008~~					
04/29/2008 13:28		AmtRec:	#Containers: 1					Scr:	Alpha:		Beta:

TESTAMERICA

6/9/2008 5:07:28 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:1120373922

Pipet #: _____

AnalyDueDate: 06/16/2008

Sep1 DT/Tm Tech: 06/02/2008 15:23,ManisD

Batch: 8127566 pCi/L

Sep2 DT/Tm Tech: 06/09/2008 10:44,ManisD

SEQ Batch, Test: None

Prep Tech: ,LucasD

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

KMEX81AD-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

KMMWE1AA-BLK:

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

KMMWE1AC-LCS:

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

KMEX81AD-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KMMWE1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

KMMWE1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

6/11/2008 9:58:26 AM

ICOC Fraction Transfer/Status Report

ByDate: 6/12/2007, 6/16/2008, Batch: '8127566', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127566						
AC		Rev1C	LucasD	5/28/2008 2:31:40 PM		
SC			wagarr	IsBatched	5/6/2008 3:58:29 PM	ICOC_RADCALC v4.8.32
SC			LucasD	InPrep	5/28/2008 2:31:40 PM	RICH-RC-5016 Revision 7
SC			ManisD	InSep1	5/29/2008 8:34:23 AM	RICH-RC-5006 REV 7
SC			ManisD	Sep1C	6/2/2008 3:51:55 PM	RICH-RC-5006 REV 7
SC			DAWKINSO	InCnt1	6/2/2008 4:05:35 PM	RICH-RD-0007 REVISION 6
SC			DAWKINSO	Cnt1C	6/2/2008 10:42:16 PM	RICH-RD-0007 REVISION 6
SC			ManisD	Sep2C	6/9/2008 5:08:29 PM	RICH-RC-5071 REV 5
SC			DAWKINSO	InCnt2	6/9/2008 5:15:12 PM	RICH-RD-0003 REVISION 5
SC			ClarkR	CalcC	6/11/2008 7:29:19 AM	RICH-RD-0003 REVISION 5
SC			nortonj	Rev1C	6/11/2008 9:58:16 AM	RICH-RC-0002 REV 8
AC			ManisD	5/29/2008 8:34:23		
AC			ManisD	6/2/2008 3:51:55 PM		
AC			DAWKINSO	6/2/2008 4:05:35 PM		
AC			DAWKINSO	6/2/2008 10:42:16 PM		
AC			ManisD	6/9/2008 5:08:29 PM		
AC			DAWKINSO	6/9/2008 5:15:12 PM		
AC			ClarkR	6/11/2008 7:29:19		
AC			nortonj	6/11/2008 9:58:16		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt:9

ICOCFractions v4.8.33

TESTAMERICA

6/2/2008 1:43:36 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: 06/16/2008

Sep1 DT/Tm Tech:

Batch: 8127565 WATER pCi/L W05387 PM, Quote: SS , 57671

SEQ Batch, Test: None

Sep2 DT/Tm Tech:

Prep Tech: ,LucasD

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 KME2D-1-AA J8E010323-1-SAMP 04/29/2008 13:28		3732.80g,in AmtRec: 20ML,3XLP,2X4LP	ITA7285 05/21/08 #Containers: 6		36.8		L2	1206	6/6/08	Scr: Alpha: 5.57E-03 uCi/Sa 3.6E-01L Beta: -1.29E-03 uCi/Sa
2 KME2D-1-AD-X J8E010323-1-DUP 04/29/2008 13:28		3793.00g,in AmtRec: 20ML,3XLP,2X4LP	ITA7286 05/21/08 #Containers: 6		35.1		L4	1207		Scr: Alpha: 5.57E-03 uCi/Sa 3.6E-01L Beta: -1.29E-03 uCi/Sa
3 KME2L-1-AA J8E010323-2-SAMP 04/29/2008 13:28		3813.10g,in AmtRec: 20ML,3XLP,2X4LP	ITA7287 05/21/08 #Containers: 6		35.6		L5	1207		Scr: Alpha: 3.98E-03 uCi/Sa Beta: 1.14E-03 uCi/Sa
4 KMMWC-1-AA-B J8E060000-565-BLK 04/29/2008 13:28		3976.90g,in AmtRec:	ITA7288 05/21/08 #Containers: 1		35.9		L0	1353	6/6/08	Scr: Alpha: Beta:
5 KMMWC-1-AC-C J8E060000-565-LCS 04/29/2008 13:28		3994.00g,in AmtRec:	ISD0850 04/22/08 #Containers: 1		35.9		L4	1353		Scr: Alpha: Beta:

Comments:

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

KME2D1AA-SAMP Constituent List:
I-129 RDL:1.00E+00 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

93

6/2/2008 1:43:38 PM

Sample Preparation/Analysis

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

Balance Id:1120482733

Pipet #: _____

AnalyDueDate: 06/16/2008

Sep1 DT/Tm Tech:

Batch: 8127565 pCi/L

SEQ Batch, Test: None

Sep2 DT/Tm Tech:

Prep Tech: ,LucasD

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:

```
KMMWC1AA-BLK:
 I-129        RDL:1.00E+00    pCi/L    LCL:        UCL:        RPD:
KMMWC1AC-LCS:
 I-129        RDL:5           pCi/L    LCL:70      UCL:130     RPD:20
KME2D1AA-SAMP Calc Info:
    Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
KMMWC1AA-BLK:
    Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
KMMWC1AC-LCS:
    Uncert Level (#s).: 2    Decay to SaDt: Y    Blk Subt.: N    Sci.Not.: Y    ODRs: B
```

Approved By _____ Date: _____

6/10/2008 11:51:34 AM

ICOC Fraction Transfer/Status Report

ByDate: 6/11/2007, 6/15/2008, Batch: '8127565', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127565						
AC		Rev1C	LucasD	6/2/2008 1:23:39 PM		
SC			wagarr	IsBatched	5/6/2008 3:58:29 PM	ICOC_RADCALC v4.8.32
SC			LucasD	InPrep	6/2/2008 1:23:39 PM	RICH-RC-5015 Revision 6
SC			BostedD	InPrep2	6/5/2008 7:37:19 AM	RICHRC5025 REVISION 4
SC			BostedD	Prep2C	6/6/2008 10:16:31 AM	RICHRC5025 REVISION 4
SC			BlackCL	InCnt1	6/6/2008 10:23:43 AM	RICH-RD-0007 REVISION 6
SC			DAWKINSO	CalcC	6/6/2008 8:03:14 PM	RICH-RD-0008 REVISION 4
SC			nortonj	Rev1C	6/10/2008 11:51:30 AM	RICH-RC-0002 REV 8
AC			BostedD	6/5/2008 7:37:19 AM		
AC			BostedD	6/6/2008 10:16:31		
AC			BlackCL	6/6/2008 10:23:43		
AC			DAWKINSO	6/6/2008 8:03:14 PM		
AC			nortonj	6/10/2008 11:51:30		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 6

ICOCFractions v4.8.33

TESTAMERICA

6/3/2008 10:13:52 AM

Sample Preparation/Analysis

FP Tc-99 Prp/SepRC5065
S5 Technetium-99 by Liquid Scint
5I CLIENT: HANFORD

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

Batch: 8155256 pCi/L
SEQ Batch, Test: None

Work Order, Lot, Sample Date	Total Amt /Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KMMWW-2-AA-B J8E060000-570-BLK 05/01/2008 09:36		AmtRec:	#Containers: 1					Scr:	Alpha:	Beta:
2 KMMWW-2-AC-C J8E060000-570-LCS 05/01/2008 09:36		AmtRec:	#Containers: 1					Scr:	Alpha:	Beta:
3 KMMWW-2-AD-B J8E060000-570-BLK 05/01/2008 09:36		AmtRec:	#Containers: 1					Scr:	Alpha:	Beta:

Comments:

All Clients for Batch:

KMMWW2AA-BLK Constituent List:

KMMWW2AC-LCS Constituent List:

KMMWW2AD-BLK:

KMMWW2AA-BLK Calc Info:
Uncert Level (#s).: 4 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMWW2AC-LCS Calc Info:
Uncert Level (#s).: 4 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMWW2AD-BLK:
Uncert Level (#s).: 4 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

6/3/2008 10:13:52 AM

Sample Preparation/Analysis

FP Tc-99 Prp/SepRC5065
S5 Technetium-99 by Liquid Scint
5I CLIENT: HANFORD

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

Batch: 8155256 pCi/L
SEQ Batch, Test: None

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

Approved By _____ Date: _____

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

RE-COUNT REQUEST

DUE DATE 6-16

CUSTOMER PGW

ANALAYSIS Tc 99

MATRIX H_2O

LOT NUMBER J8E010311

SAMPLE DELIVERY GROUP W05387

OLD BATCH NUMBER 8127570

NEW BATCH NUMBER 8155256

LAB SAMPLE ID	CLIENT ID	REASON FOR REQUEST & ANALYSIS COMMENTS
1) KMMWW/ADN		
2) KMMWW/AAB		TSIE OUT
3) KMMWW/AC C		
4)		
5)		
6)		
7)		
8)		
9)		
10)		
11)		
12)		
13)		
14)		
15)		
16)		
17)		
18)		
19)		
20)		

RC-126, 12/07, Rev 5

TESTAMERICA

5/28/2008 10:24:07 AM

Sample Preparation/Analysis

Balance Id:1120373922

384868, Pacific Northwest National Laboratory
Pacific Northwest National Lab

FP Tc-99 Prp/SepRC5065
S5 Technetium-99 by Liquid Scint
5I CLIENT: HANFORD

Pipet #: _____

AnalyDueDate: 06/16/2008 W05387

Sep1 DT/Tm Tech:

Batch: 8127570 **WATER** **pCi/L** **PM, Quote: SS , 57671**

Sep2 DT/Tm Tech:

SEQ Batch, Test: None All Tests: 8122529 88EA, 8127566 CLTL, 8127570 FPS5, 8127573 5SS3, 8127574 ARS6,

Prep Tech: ,LucasD

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 KME0M-1-AE J8E010311-4-SAMP 05/01/2008 09:36		AmtRec: 20ML,500MLP,6XLP	125.53g,in #Containers: 8	125.53g		60min		Scr:	Alpha: -6.75E-04 uCi/Sa	Beta: 3.87E-04 uCi/Sa
2 KME0M-1-AF-S J8E010311-4-MS 05/01/2008 09:36		AmtRec: 20ML,500MLP,6XLP	125.76g,in #Containers: 8	125.76g	TCSG2054 05/20/08,pd 01/10/06,r			Scr:	Alpha: -6.75E-04 uCi/Sa	Beta: 3.87E-04 uCi/Sa
3 KME0M-1-AG-X J8E010311-4-DUP 05/01/2008 09:36		AmtRec: 20ML,500MLP,6XLP	125.50g,in #Containers: 8	125.50g				Scr:	Alpha: -6.75E-04 uCi/Sa	Beta: 3.87E-04 uCi/Sa
4 KMMWW-1-AA-B J8E060000-570-BLK 05/01/2008 09:36		AmtRec:	125.74g,in #Containers: 1	125.74g				Scr:	Alpha:	Beta:
5 KMMWW-1-AC-C J8E060000-570-LCS 05/01/2008 09:36		AmtRec:	125.05g,in #Containers: 1	125.05g	TCSE2213 02/18/08,pd 01/10/06,r			Scr:	Alpha:	Beta:
6 KMMWW-1-AD-BN J8E060000-570-IBLK 05/01/2008 09:36		AmtRec:	#Containers: 1					Scr:	Alpha:	Beta:

TESTAMERICA

5/28/2008 10:24:09 AM

Sample Preparation/Analysis

FP Tc-99 Prp/SepRC5065
S5 Technetium-99 by Liquid Scint
5I CLIENT: HANFORD

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

AnalyDueDate: 06/16/2008

Batch: 8127570 pCi/L
SEQ Batch, Test: None

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

Comments:

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

KME0M1AE-SAMP Constituent List:
Tc-99 RDL:15 pCi/L LCL:70 UCL:130 RPD:20
KME0M1AF-MS Constituent List:

KMMWW1AA-BLK:
Tc-99 RDL:15 pCi/L LCL: UCL: RPD:
KMMWW1AC-LCS:
Tc-99 RDL:15 pCi/L LCL:70 UCL:130 RPD:20
KMMWW1AD-IBLK:
Tc-99 RDL:15 pCi/L LCL: UCL: RPD:

KME0M1AE-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KME0M1AF-MS Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMWW1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMWW1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMWW1AD-IBLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

6/5/2008 8:04:26 AM

ICOC Fraction Transfer/Status Report

ByDate: 6/6/2007, 6/10/2008, Batch: '8127570', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127570						
AC		**Rev1C**	**LucasD**	5/28/2008 10:12:03		
SC			wagarr	IsBatched	5/6/2008 3:58:29 PM	ICOC_RADCALC v4.8.32
SC			LucasD	InPrep	5/28/2008 10:12:03 AM	RICH-RC-5016 Revision 7
SC			Barcotl	InPrep	6/2/2008 4:01:04 PM	RICH-RC-5065 REV 6
SC			Barcotl	Prep1C	6/2/2008 4:01:29 PM	RICH-RC-5065 REV 6
SC			DAWKINSO	InCnt1	6/2/2008 4:30:21 PM	RICH-RD-0001 REVISION 4
SC			BlackCL	CalcC	6/3/2008 7:08:45 AM	RICH-RD-0001 REVISION 4
SC			nortonj	Rev1C	6/5/2008 8:04:20 AM	RICH-RC-0002 REV 8
AC			**Barcotl**	6/2/2008 4:01:04 PM		
AC			**Barcotl**	6/2/2008 4:01:29 PM		
AC			**DAWKINSO**	6/2/2008 4:30:21 PM		
AC			**BlackCL**	6/3/2008 7:08:45 AM		
AC			**nortonj**	6/5/2008 8:04:20 AM		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 6

ICOCFractions v4.8.33

5/6/2008 3:51:29 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AR H-3 Prp/SepRC5007
S6 Tritium by Liquid Scint
5I CLIENT: HANFORD

AnalyDueDate: 06/09/2008 WO5387

Batch: 8127574 **WATER** **pCi/L** **PM, Quote: SS , 57671**
SEQ Batch, Test: None

Balance Id: 12415
Pipet #:
Sep1 DT/Tm Tech: 5-15-08
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:
1 KL3TJ-1-AA								
J8D250391-1-SAMP								
04/25/2008 11:21		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: 4.95E-04 uCi/Sa	Beta: -9.38E-05 uCi/Sa
2 KL3TJ-1-AE-X								
J8D250391-1-DUP								
04/25/2008 11:21		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: 4.95E-04 uCi/Sa	Beta: -9.38E-05 uCi/Sa
3 KL3TM-1-AA								
J8D250391-2-SAMP								
04/25/2008 09:55		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: -1.53E-04 uCi/Sa	Beta: 3.25E-04 uCi/Sa
4 KL3TN-1-AA								
J8D250391-3-SAMP								
04/25/2008 13:07		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: 2.84E-04 uCi/Sa	Beta: 3.03E-04 uCi/Sa
5 KL3TQ-1-AA								
J8D250391-4-SAMP								
04/25/2008 10:46		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: 5.11E-06 uCi/Sa	Beta: 4.58E-04 uCi/Sa
6 KL3TT-1-AA								
J8D250391-5-SAMP								
04/25/2008 10:05		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: -1.69E-05 uCi/Sa	Beta: 4.58E-04 uCi/Sa
7 KL3T0-1-AA								
J8D250391-6-SAMP								
04/25/2008 09:30		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: 3.00E-04 uCi/Sa	Beta: 3.86E-05 uCi/Sa

5/6/2008 3:51:29 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AR H-3 Prp/SepRC5007
S6 Tritium by Liquid Scint
5I CLIENT: HANFORD

AnalyDueDate: 06/09/2008

Batch: 8127574 **WATER** **pCi/L** **PM, Quote: SS , 57671**
SEQ Batch, Test: None

Balance Id: 12445
Pipet #:
Sep1 DT/Tm Tech: 5-15-08
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 KL3T4-1-AA J8D250391-7-SAMP 04/25/2008 12:06		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: -2.01E-04 uCi/Sa	Beta: 3.03E-04 uCi/Sa
9 KL3T7-1-AA J8D250391-8-SAMP 04/25/2008 13:40		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: 3.27E-04 uCi/Sa	Beta: -4.96E-05 uCi/Sa
10 KL3T8-1-AA J8D250391-9-SAMP 04/25/2008 09:36		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: -9.76E-05 uCi/Sa	Beta: 6.12E-04 uCi/Sa
11 KL3T9-1-AA J8D250391-10-SAMP 04/25/2008 13:16		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: -1.31E-04 uCi/Sa	Beta: 4.36E-04 uCi/Sa
12 KL3VA-1-AA J8D250391-11-SAMP 04/25/2008 10:15		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: 1.91E-04 uCi/Sa	Beta: 3.92E-04 uCi/Sa
13 KL3VC-1-AA J8D250391-12-SAMP 04/25/2008 11:21		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: 3.36E-04 uCi/Sa	Beta: 4.58E-04 uCi/Sa
14 KL3VD-1-AA J8D250391-13-SAMP 04/25/2008 12:09		AmtRec: 20ML,2XLP	#Containers: 3			Scr:	Alpha: -3.98E-04 uCi/Sa	Beta: 6.56E-04 uCi/Sa

103
TESTAMERICA

5/6/2008 3:51:30 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AR H-3 Prp/SepRC5007
S6 Tritium by Liquid Scint
5I CLIENT: HANFORD

AnalyDueDate: 06/09/2008

Batch: 8127574 **WATER** **pCi/L** **PM, Quote: SS , 57671**
SEQ Batch, Test: None

Balance Id: 12445
Pipet #:
Sep1 DT/Tm Tech: 5-15-08
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:
15 KMEX8-1-AA J8E010311-1-SAMP 05/01/2008 10:29		AmtRec: 20ML,6XLP	#Containers: 7			Scr:	Alpha:	Beta:
16 KME0L-1-AA J8E010311-3-SAMP 05/01/2008 08:48		AmtRec: 20ML,6XLP	#Containers: 7			Scr:	Alpha:	Beta:
17 KME0M-1-AA J8E010311-4-SAMP 05/01/2008 09:36		AmtRec: 20ML,500MLP,6XLP	#Containers: 8			Scr:	Alpha:	Beta:
18 KMMW7-1-AA-B J8E060000-574-BLK 04/25/2008 11:21		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
19 KMMW7-1-AC-C J8E060000-574-LCS 04/25/2008 11:21		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
20 KMMW7-1-AD-B J8E060000-574-BLK 04/25/2008 11:21		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
21 KMMW7-1-AE-C J8E060000-574-LCS 04/25/2008 11:21		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

104
TESTAMERICA

5/6/2008 3:51:30 PM

Sample Preparation/Analysis

AR H-3 Prp/SepRC5007
S6 Tritium by Liquid Scint
5I CLIENT: HANFORD

AnalyDueDate: 06/09/2008

Batch: 8127574 pCi/L
SEQ Batch, Test: None

Balance Id: 12445
Pipet #:
Sep1 DT/Tm Tech: 5-15-08 [illegible]
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:
22 KMMW7-1-AF-B J8E060000-574-BLK 04/25/2008 11:21		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
23 KMMW7-1-AG-B J8E060000-574-BLK 04/25/2008 11:21		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
24 KMMW7-1-AH-B J8E060000-574-BLK 04/25/2008 11:21		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

Comments:

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

KL3TJ1AA-SAMP Constituent List:
H-3 RDL:400 pCi/L LCL:70 UCL:130 RPD:20
KMMW71AA-BLK:

KMMW71AC-LCS:

KMMW71AD-BLK:

KMMW71AE-LCS:

KMMW71AF-BLK:

KMMW71AG-BLK:

T05
TESTAMERICA

5/6/2008 3:51:30 PM

Sample Preparation/Analysis

AR H-3 Prp/SepRC5007
S6 Tritium by Liquid Scint
5I CLIENT: HANFORD

Balance Id: 62445
Pipet #:
Sep1 DT/Tm Tech: 5-15-08a
Sep2 DT/Tm Tech:
Prep Tech:

AnalyDueDate: 06/09/2008

Batch: 8127574 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:

KMMW71AH-BLK:

KL3TJ1AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMW71AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMW71AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMW71AD-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMW71AE-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMW71AF-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMW71AG-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMW71AH-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

TESTAMERICA

5/20/2008 11:57:23 AM

ICOC Fraction Transfer/Status Report

ByDate: 5/21/2007, 5/25/2008, Batch: '8127574', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127574						
AC		**Rev1C**	**McDowellD**	5/15/2008 11:56:32		
SC			wagarr	IsBatched	5/6/2008 3:58:29 PM	ICOC_RADCALC v4.8.32
SC			McDowellD	InSep1	5/15/2008 11:56:32 AM	RICH-RC-5007 REVISION 6
SC			McDowellD	Sep1C	5/16/2008 3:40:48 PM	RICH-RC-5007 REVISION 6
SC			DAWKINSO	InCnt1	5/16/2008 4:10:11 PM	RICH-RD-0001 REVISION 4
SC			ClarkR	CalcC	5/20/2008 8:54:02 AM	RICH-RD-0001 REVISION 4
SC			nortonj	Rev1C	5/20/2008 11:57:07 AM	RICH-RC-0002 REV 8
AC			**McDowellD**	5/16/2008 3:40:48 PM		
AC			**DAWKINSO**	5/16/2008 4:10:11 PM		
AC			**ClarkR**	5/20/2008 8:54:02		
AC			**nortonj**	5/20/2008 11:57:07		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 5

ICOCFractions v4.8.33

TESTAMERICA

5/6/2008 3:51:28 PM

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: 06/16/2008 WO5387

Batch: 8127573 **WATER** **pCi/L** **PM, Quote: SS , 57671**
SEQ Batch, Test: None

Balance Id: N/A
Pipet #:
Sep1 DT/Tm Tech: 5-30-08 DM
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 KMEX8-1-AC								
J8E010311-1-SAMP								
05/01/2008 10:29		AmtRec: 20ML,6XLP	#Containers: 7			Scr:	Alpha:	Beta:
2 KMEX8-1-AE-X								
J8E010311-1-DUP								
05/01/2008 10:29		AmtRec: 20ML,6XLP	#Containers: 7			Scr:	Alpha:	Beta:
3 KME0L-1-AC								
J8E010311-3-SAMP								
05/01/2008 08:48		AmtRec: 20ML,6XLP	#Containers: 7			Scr:	Alpha:	Beta:
4 KME0M-1-AC								
J8E010311-4-SAMP								
05/01/2008 09:36		AmtRec: 20ML,500MLP,6XLP	#Containers: 8			Scr:	Alpha:	Beta:
5 KMMW2-1-AA-B								
J8E060000-573-BLK								
05/01/2008 10:29		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
6 KMMW2-1-AC-C								
J8E060000-573-LCS								
05/01/2008 10:29		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
7 KMMW2-1-AD-B								
J8E060000-573-BLK								
05/01/2008 10:29		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

TESTAMERICA

5/6/2008 3:51:29 PM

Sample Preparation/Analysis

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

Balance Id: N/A
Pipet #:
Sep1 DT/Tm Tech: 5-30-08 Dm
Sep2 DT/Tm Tech:
Prep Tech:

AnalyDueDate: 06/16/2008

Batch: 8127573 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:

Comments:

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

KMEX81AC-SAMP Constituent List:
C-14 RDL:2.00E+02 pCi/L LCL:70 UCL:130 RPD:20
KMMW21AA-BLK:

KMMW21AC-LCS:

KMMW21AD-BLK:

KMEX81AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMW21AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMW21AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMW21AD-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

6/5/2008 12:55:56 PM

ICOC Fraction Transfer/Status Report

ByDate: 6/6/2007, 6/10/2008, Batch: '8127573', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127573						
AC		Rev1C	McDowellD	5/30/2008 8:40:13		
SC			wagarr	IsBatched	5/6/2008 3:58:29 PM	ICOC_RADCALC v4.8.32
SC			McDowellD	InSep1	5/30/2008 8:40:13 AM	RICH-RC-5022 REVISION 3
SC			McDowellD	Sep1C	6/3/2008 8:35:37 AM	RICH-RC-5022 REVISION 3
SC			ClarkR	CalcC	6/4/2008 10:50:11 AM	RICH-RD-0001 REVISION 4
SC			nortonj	Rev1C	6/5/2008 12:55:49 PM	RICH-RC-0002 REV 8
AC			McDowellD	6/3/2008 8:35:37 AM		
AC			ClarkR	6/4/2008 10:50:11		
AC			nortonj	6/5/2008 12:55:49 PM		

AC: Accepting Entry, SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 4

ICOCFractions v4.8.33

TESTAMERICA

5/1/2008 4:21:05 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory
Pacific Northwest National Lab

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

AnalyDueDate: 06/16/2008 WO 5387

Batch: 8122529 WATER mg/L
SEQ Batch, Test: None

PM, Quote: SS , 57671

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

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KME0J-1-AA J8E010311-2-SAMP 05/01/2008 09:36		AmtRec: 20ML,500G	#Containers: 2			Scr:	Alpha:	Beta:
2 KME0J-1-AC-S J8E010311-2-MS 05/01/2008 09:36		AmtRec: 20ML,500G	#Containers: 2			Scr:	Alpha:	Beta:
3 KME0J-1-AD-D J8E010311-2-MSD 05/01/2008 09:36		AmtRec: 20ML,500G	#Containers: 2			Scr:	Alpha:	Beta:
4 KME0J-1-AE-X J8E010311-2-DUP 05/01/2008 09:36		AmtRec: 20ML,500G	#Containers: 2			Scr:	Alpha:	Beta:
5 KME3D-1-AA-B J8E010000-529-BLK 05/01/2008 09:36		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
6 KME3D-1-AC-C J8E010000-529-LCS 05/01/2008 09:36		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

111

TESTAMERICA

5/1/2008 4:21:06 PM

Sample Preparation/Analysis

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

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

AnalyDueDate: 06/16/2008

Batch: 8122529 mg/L
SEO Batch, Test: None

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

Comments:

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

KME0J1AA-SAMP Constituent List:

KME0J1AC-MS Constituent List:

KME0J1AD-MSD:

KME3D1AA-BLK:

KME3D1AC-LCS:

KME0J1AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KME0J1AC-MS Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KME0J1AD-MSD:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KME3D1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KME3D1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By Date: