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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: 39298

RECEIVED JUNE 16, 2008

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05383	I08-032	B1V211	J8D240157-1	KLXAT1AA	9KLXAT10	8127559
		B1V211	J8D240157-1	KLXAT1AC	9KLXAT10	8127557
		B1V211	J8D240157-1	KLXAT1AD	9KLXAT10	8127554
		B1V211	J8D240157-1	KLXAT1AE	9KLXAT10	8127549
		B1V215	J8D240157-2	KLXA21AA	9KLXA210	8127559
		B1V215	J8D240157-2	KLXA21AC	9KLXA210	8127557
		B1V215	J8D240157-2	KLXA21AD	9KLXA210	8127554
		B1V215	J8D240157-2	KLXA21AE	9KLXA210	8127549
		B1V231	J8D240157-3	KLXA31AA	9KLXA310	8127559
		B1V231	J8D240157-3	KLXA31AC	9KLXA310	8127557
		B1V231	J8D240157-3	KLXA31AD	9KLXA310	8127554
		B1V231	J8D240157-3	KLXA31AE	9KLXA310	8127549
	S08-012	B1RCP5	J8D240362-2	KL06A1AA	9KL06A10	8127547
		B1RCP5	J8D240362-2	KL06A1AC	9KL06A10	8127548
		B1RCP5	J8D240362-2	KL06A1AE	9KL06A10	8127552

Comments:

0078517

Report Nbr: 39298

SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05383	S08-012	B1RCP9	J8D240362-3	KL0621AA	9KL06210	8127547
		B1RCP9	J8D240362-3	KL0621AC	9KL06210	8127548
		B1RCP9	J8D240362-3	KL0621AD	9KL06210	8127549
		B1RCP9	J8D240362-3	KL0621AF	9KL06210	8127552
	I08-025	B1VBY3	J8D240367-1	KL07D1AA	9KL07D10	8127559
		B1VBY3	J8D240367-1	KL07D1AC	9KL07D10	8127547
		B1VBY3	J8D240367-1	KL07D1AD	9KL07D10	8127548
		B1VBY5	J8D240367-2	KL07G1AA	9KL07G10	8127559
		B1VBY5	J8D240367-2	KL07G1AC	9KL07G10	8127547
		B1VBY5	J8D240367-2	KL07G1AD	9KL07G10	8127548
		B1TJ43	J8D240367-3	KL07K1AA	9KL07K10	8127559
		B1TJ43	J8D240367-3	KL07K1AC	9KL07K10	8127547
		B1TJ43	J8D240367-3	KL07K1AD	9KL07K10	8127548
		B1VC02	J8D240367-4	KL07N1AA	9KL07N10	8127559
		B1VC02	J8D240367-4	KL07N1AC	9KL07N10	8127547
		B1VC02	J8D240367-4	KL07N1AD	9KL07N10	8127548
	S08-003	B1TK90	J8D280196-1	KL6JP1AA	9KL6JP10	8127547
		B1TK90	J8D280196-1	KL6JP1AC	9KL6JP10	8127548
		B1TK90	J8D280196-1	KL6JP1AD	9KL6JP10	8127554
		B1TK90	J8D280196-1	KL6JP1AE	9KL6JP10	8127552
	S08-004	B1TWX7	J8D280197-1	KL6KQ1AA	9KL6KQ10	8127559
		B1TWX7	J8D280197-1	KL6KQ1AC	9KL6KQ10	8127547
		B1TWX7	J8D280197-1	KL6KQ1AD	9KL6KQ10	8127548
		B1TWX7	J8D280197-1	KL6KQ1AE	9KL6KQ10	8127555
		B1TWX7	J8D280197-1	KL6KQ1AF	9KL6KQ10	8127554
	I08-032	B1TVY0	J8D280199-1	KL6K81AA	9KL6K810	8127559

Comments:

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SDG Nbr	ORDER Nbr	CLIENT ID NUMBER	LOT Nbr	WORK ORDER	RPT DB ID	BATCH
W05383	I08-032	B1TVY0	J8D280199-1	KL6K81AC	9KL6K810	8127557
		B1TVY0	J8D280199-1	KL6K81AD	9KL6K810	8127554
		B1TVY3	J8D280199-2	KL6LA1AA	9KL6LA10	8127559
		B1TVY3	J8D280199-2	KL6LA1AC	9KL6LA10	8127557
		B1TVY3	J8D280199-2	KL6LA1AD	9KL6LA10	8127554
	I08-031	B1TVV2	J8D290320-1	KL8MA1AA	9KL8MA10	8120534
	G08-004	B1TVN9	J8D290322-1	KL8MM1AA	9KL8MM10	8127548
	G08-003	B1THC4	J8D290324-1	KL8MW1AA	9KL8MW10	8127553
		B1THC4	J8D290324-1	KL8MW1AC	9KL8MW10	8127554
	W08-004	B1V111	J8D300360-1	KMCD31AA	9KMCD310	8127547
		B1V111	J8D300360-1	KMCD31AC	9KMCD310	8127548
		B1V111	J8D300360-1	KMCD31AD	9KMCD310	8127550
		B1V111	J8D300360-1	KMCD31AE	9KMCD310	8127552
	W08-002	B1T5V7	J8E010279-1	KMEM01AA	9KMEM010	8127547
		B1T5V7	J8E010279-1	KMEM01AC	9KMEM010	8127548
		B1T5V6	J8E010279-2	KMEM11AA	9KMEM110	8127547
		B1T5V6	J8E010279-2	KMEM11AC	9KMEM110	8127548

Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Certificate of Analysis

Fluor Hanford
1200 Jadwin Ave.
Richland, WA 99352

June 13, 2008

Attention: Steve Trent

SAF Number	:	I08-032, S08-012, I08-025, S08-003, S08-004, I08-031, G08-004, G08-003, W08-004, W08-002
Date SDG Closed	:	May 1, 2008
Number of Samples	:	Twenty (20)
Sample Type	:	Water
SDG Number	:	W05383
Data Deliverable	:	45-Day / Summary

CASE NARRATIVE

I. Introduction

Between April 23, 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
B1V211	KLXAT	4/23/08	WATER
B1V215	KLXA2	4/23/08	WATER
B1V231	KLXA3	4/23/08	WATER
B1RDW8	KL058	4/24/08	WATER
B1RCP5	KL06A	4/24/08	WATER
B1RCP9	KL062	4/24/08	WATER
B1VBY3	KL07D	4/24/08	WATER
B1VBY5	KL07G	4/24/08	WATER
B1TJ43	KL07K	4/24/08	WATER
B1VC02	KL07N	4/24/08	WATER
B1TK90	KL6JP	4/28/08	WATER
B1TWX7	KL6KQ	4/28/08	WATER
B1TVY0	KL6K8	4/28/08	WATER

B1TVY3	KL6LA	4/28/08	WATER
B1TVV2	KL8MA	4/29/08	WATER
B1TVN9	KL8MM	4/29/08	WATER
B1THC4	KL8MW	4/29/08	WATER
B1V111	KMCD3	4/30/08	WATER
B1T5V7	KMEM0	5/01/08	WATER
B1T5V6	KMEM1	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
Gamma Spec (LL) by method RICH-RC-5017
Iodine-129 (LL) by method RICH-RC-5025
Liquid Scintillation Counting
Enriched Tritium by method RICH-RC-5024
Technetium-99 by TEVA method RICH-RC-5065
Technetium-99 by method RICH-RC-5078
Tritium by method RICH-RC-5007
Carbon-14 by method RICH-RC-5022
Laser Induced Phosphorimetry
Total Uranium by method RICH-RC-5058
Chemical Analysis
Hexavalent Chromium by EPA method 7196A

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:
Samples B1T5V7 and B1T5V7 DUP were analyzed with reduced aliquots based on weight screens. Except as noted, the LCS, batch blank, samples and sample duplicate (B1T5V7) results are within contractual requirements.

Gross Beta by method RICH-RC-5014:
Samples B1T5V6 and B1T5V6 DUP were analyzed with reduced aliquots based on weight screens. The CRDL was not met on both samples; however the activity detected in the samples is greater than the IDC. Data will be accepted. Except as noted, the LCS, batch blank, samples and sample duplicate (B1T5V6) results are within contractual requirements.

Strontium-90 by method RICH-RC-5006
Sample B1THC was analyzed with reduced aliquots based on weight screen. The CRDL was not met on this sample; however the activity detected in the sample is greater than the IDC. Data will be accepted. Except as noted, the LCS, batch blank, samples and sample duplicate (B1V215) results are within contractual requirements.

Gamma Spectroscopy

Gamma Spec (LL) by method RICH-RC-5017:
The LCS, batch blank, sample and sample duplicate (B1THC4) results are within contractual requirements.

Iodine-129 (LL) by method RICH-RC-5025:
The LCS, batch blank, samples and sample duplicate (B1TWX7) results are within contractual requirements.

Liquid Scintillation Counting

Technetium-99 by TEVA method RICH-RC-5065:
The LCS, batch blank, samples, sample duplicate (B1V215), and sample matrix spike (B1V231) results are within contractual requirements.

Technetium-99 by method RICH-RC-5078:
The LCS, batch blank, samples, sample duplicate (B1V111), and sample matrix spike (B1V111) results are within contractual requirements.

Tritium by method RICH-RC-5007:
The LCS, batch blank, samples and sample duplicate (B1VBY3) results are within contractual requirements.

Enriched Tritium by method RICH-RC-5024
TestAmerica Richland proposed to report W05383 without the enriched tritium results. The client accepted the proposed resolution (Tracking Number: 08-075) on June 3, 2008.

Carbon-14 by method RICH-RC-5022:
The LCS, batch blank, samples and sample duplicate (B1TVY0) results are within contractual requirements.

Total Uranium
Total Uranium by method RICH-RC-5058:
The LCS, batch blank, samples, sample duplicate (B1V111), and sample matrix spike (B1TK90) results are within contractual requirements.

Chemical Analysis
Hexavalent Chromium by EPA method 7196A
The LCS, batch blank, sample, sample duplicate (B1TVV2), sample matrix spike (B1TVV2), and matrix spike duplicate (B1TVV2) 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:

for Sandra Seger
Project Manager

TAL RICHLAND ISSUE RESOLUTION FORM
FOR CONTRACT 615 WITH BHI/FH

Tracking Number: 08-075
SAF No.: S08-012
Date: May 29, 2008
SDG: W05383
Sample No.(s) B1RDW8, B1RCP5, B1RCP9

Submitted By: Sandra Seger
Phone No. 509-375-3131 x158
Fax No. 509-375-5590

Submitted To: **Steve Trent (FH)**
Phone No. **509-373-5869**
Fax No. 866-252-5816

ISSUE	**PROPOSED RESOLUTION**
The enriched tritium's batch blanks have been above the CRDL. TA Richland has moved the enrichment process to another part of the laboratory inorder to reduce possible contimination. Test blanks are being processed.	Report W05383 without the enriched tritium results. The enriched tritium results will be reported as W05383I when analysis is complete.

BHI/FH COMMENTS -
Accept proposed resolution.

Heidi Hampt 6/3/08
Signature and date

Seger, Sandra

From: Hampt, Heidi [Heidi_Hampt@RL.gov]
Sent: Tuesday, June 03, 2008 11:46 AM
To: Seger, Sandra
Cc: ^CPP Sample Management; Trent, Stephen J; Wagar, Rhonda; Powell, Linda L (Lin); Ayres, Doris E; Waters-husted, Karen S
Subject: RE: W05383 IRF (Due 6/16/08)(IRF is for H3EE)
Attachments: 08-075.DOC

Sandra,

Response is attached.

Thanks,
Heidi

From: Seger, Sandra [mailto:Sandra.Seger@testamericainc.com]
Sent: Monday, June 02, 2008 7:27 AM
To: Hampt, Heidi
Cc: Widrig, Dana L; Felmy, Diana; ^CPP Sample Management; Trent, Stephen J; Thompson, Christopher J; Wagar, Rhonda
Subject: W05383 IRF (Due 6/16/08)(IRF is for H3EE)

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.

6/13/2008 10:58:13 AM

TestAmerica Report

Lab Code: TARL

FormNbr: R FormatType: FEAD Version: 05 Rpt Nbr: 39298 File Name: h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.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:
9KL06210	B1RCP9		MW6-SBB-A1	S08-012	W05383					04/24/2008 09:37

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127547	ALPHA	12587-46-1	2.00E+00	pCi/L	1.2E+00	1.2E+00		1.69E+00	100.0	9310_ALPHABETA	1.564E-01	L	06/03/2008 11:13	I
8127548	BETA	12587-47-2	1.61E+01	pCi/L	2.3E+00	3.0E+00		2.85E+00	100.0	9310_ALPHABETA	2.001E-01	L	06/03/2008 17:50	I
8127549	TC-99	14133-76-7	3.03E+01	pCi/L	5.0E+00	7.5E+00		9.85E+00	100.0	TC99_ETVDSK_LS	1.2502E-01	L	05/15/2008 06:57	I
8127552	Uranium	7440-61-1	4.08E+00	ug/L	4.2E-01	4.2E-01		8.42E-02		UTOT_KPA	2.49E-02	ML	06/03/2008 10:47	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KL06A10	B1RCP5		MW6-SBB-A1	S08-012	W05383					04/24/2008 10:30

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127547	ALPHA	12587-46-1	2.92E+00	pCi/L	1.9E+00	2.0E+00		2.84E+00	100.0	9310_ALPHABETA	1.666E-01	L	06/03/2008 09:36	I
8127548	BETA	12587-47-2	1.34E+01	pCi/L	2.1E+00	2.7E+00		2.82E+00	100.0	9310_ALPHABETA	1.999E-01	L	06/03/2008 17:50	I
8127552	Uranium	7440-61-1	5.32E+00	ug/L	6.3E-01	6.3E-01		8.32E-02		UTOT_KPA	2.52E-02	ML	06/03/2008 10:46	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:
9KL07D10	B1VBY3		MW6-SBB-A1	I08-025	W05383					04/24/2008 10:34

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127559	H-3	10028-17-8	3.62E+01	pCi/L	1.3E+02	1.5E+02	U	3.25E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/18/2008 01:11	I
8127547	ALPHA	12587-46-1	7.71E-01	pCi/L	8.0E-01	8.2E-01	U	1.46E+00	100.0	9310_ALPHABETA	1.999E-01	L	06/03/2008 09:36	I
8127548	BETA	12587-47-2	2.24E+00	pCi/L	1.3E+00	1.4E+00	U	2.56E+00	100.0	9310_ALPHABETA	1.999E-01	L	06/03/2008 17:50	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KL07G10	B1VBY5		MW6-SBB-A1	I08-025	W05383					04/24/2008 11:20

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127559	H-3	10028-17-8	1.62E+03	pCi/L	1.9E+02	2.2E+02		3.21E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/18/2008 03:56	I
8127547	ALPHA	12587-46-1	1.28E+00	pCi/L	1.0E+00	1.1E+00	U	1.49E+00	100.0	9310_ALPHABETA	1.853E-01	L	06/03/2008 09:36	I
8127548	BETA	12587-47-2	4.75E+00	pCi/L	1.7E+00	1.8E+00		2.93E+00	100.0	9310_ALPHABETA	2.003E-01	L	06/03/2008 17:50	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KL07K10	B1TJ43		MW6-SBB-A1	I08-025	W05383					04/24/2008 09:34

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127559	H-3	10028-17-8	2.46E+03	pCi/L	2.1E+02	2.5E+02		3.23E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/18/2008 05:18	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.

/

8127547	ALPHA	12587-46-1	1.10E+00	pCi/L	1.1E+00	1.1E+00	U	1.75E+00	100.0	9310_ALPHABETA	1.725E-01	L	06/03/2008	09:37	I
8127548	BETA	12587-47-2	7.50E+00	pCi/L	1.9E+00	2.1E+00		3.11E+00	100.0	9310_ALPHABETA	2.003E-01	L	06/03/2008	19:42	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KL07N10	B1VC02		MW6-SBB-A1	I08-025	W05383					04/24/2008 12:05

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127559	H-3	10028-17-8	2.80E+03	pCi/L	2.2E+02	2.7E+02		3.26E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/18/2008 06:41	I
8127547	ALPHA	12587-46-1	1.77E+00	pCi/L	1.3E+00	1.4E+00	U	1.92E+00	100.0	9310_ALPHABETA	1.667E-01	L	06/03/2008 09:37	I
8127548	BETA	12587-47-2	5.91E+00	pCi/L	1.7E+00	1.8E+00		2.79E+00	100.0	9310_ALPHABETA	2.005E-01	L	06/03/2008 19:42	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KL6JP10	B1TK90		MW6-SBB-A1	S08-003	W05383					04/28/2008 13:51

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127547	ALPHA	12587-46-1	4.25E-01	pCi/L	8.5E-01	8.5E-01	U	1.91E+00	100.0	9310_ALPHABETA	1.665E-01	L	06/03/2008 09:37	I
8127548	BETA	12587-47-2	9.20E+00	pCi/L	1.9E+00	2.2E+00		2.82E+00	100.0	9310_ALPHABETA	2.002E-01	L	06/03/2008 19:42	I
8127554	SR-90	10098-97-2	1.61E-01	pCi/L	2.4E-01	2.7E-01	U	5.75E-01	69.7	SRISO_SEP_PRE	1.00E+00	L	06/04/2008 06:50	I
8127552	Uranium	7440-61-1	1.11E-01	ug/L	1.2E-02	1.2E-02		8.35E-02		UTOT_KPA	2.51E-02	ML	06/03/2008 10:49	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:
9KL6K810	B1TVY0		MW6-SBB-A1	I08-032	W05383					04/28/2008 09:44

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127559	H-3	10028-17-8	1.07E+03	pCi/L	1.7E+02	1.9E+02		3.25E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/18/2008 13:33	I
8127557	C-14	14762-75-5	1.16E+03	pCi/L	1.7E+01	4.7E+01		8.47E+00	100.0	C14_LSC	2.00E-01	L	06/03/2008 18:35	I
8127554	SR-90	10098-97-2	3.41E+00	pCi/L	4.1E-01	6.4E-01		4.13E-01	71.9	SRISO_SEP_PRE	1.00E+00	L	06/04/2008 06:50	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KL6KQ10	B1TWX7		MW6-SBB-A1	S08-004	W05383					04/28/2008 11:50

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127559	H-3	10028-17-8	6.60E+03	pCi/L	3.0E+02	4.2E+02		3.24E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/18/2008 08:03	I
8127547	ALPHA	12587-46-1	7.04E-01	pCi/L	7.8E-01	7.9E-01	U	1.32E+00	100.0	9310_ALPHABETA	1.923E-01	L	06/03/2008 09:37	I
8127548	BETA	12587-47-2	1.81E+01	pCi/L	2.3E+00	3.3E+00		2.69E+00	100.0	9310_ALPHABETA	2.001E-01	L	06/03/2008 19:42	I
8127555	I-129L	15046-84-1	3.37E+00	pCi/L	5.2E-01	5.2E-01		2.41E-01	111.6	I129LL_SEP_LEPS	3.8925E+00	L	05/23/2008 16:59	I
8127554	SR-90	10098-97-2	6.86E-02	pCi/L	3.2E-01	3.2E-01	U	6.88E-01	77.4	SRISO_SEP_PRE	1.00E+00	L	06/04/2008 06:50	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.

6/13/2008 10:58:13 AM

TestAmerica Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **Version:** 05 **Rpt Nbr:** 39298 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.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:
9KL6L A10	R1TVY3		MW6-SBB-A1	I08-032	W05383					04/28/2008 09:14

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127559	H-3	10028-17-8	1.49E+03	pCi/L	1.9E+02	2.1E+02		3.27E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/18/2008 14:56	I
8127557	C-14	14762-75-5	5.94E+02	pCi/L	1.3E+01	2.6E+01		8.47E+00	100.0	C14_LSC	2.00E-01	L	06/03/2008 20:01	I
8127554	SR-90	10098-97-2	9.37E-02	pCi/L	1.8E-01	1.8E-01	U	3.92E-01	79.6	SRISO_SEP_PRE	1.00E+00	L	06/04/2008 06:50	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KL8MM10	B1TVN9		MW6-SBB-A1	G08-004	W05383					04/29/2008 09:31

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127548	BETA	12587-47-2	1.18E+03	pCi/L	1.5E+01	1.5E+02		2.64E+00	100.0	9310_ALPHABETA	2.005E-01	L	06/03/2008 19:42	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KL8MW10	B1THC4		MW6-SBB-A1	G08-003	W05383					04/29/2008 10:49

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127553	BE-7	13966-02-4	1.93E+00	pCi/L	8.2E+00	8.2E+00	U	1.50E+01		GAMMALL_GS	2.5005E+00	L	06/04/2008 09:19	I
8127553	CO-60	10198-40-0	7.71E-01	pCi/L	1.1E+00	1.1E+00	U	2.10E+00		GAMMALL_GS	2.5005E+00	L	06/04/2008 09:19	I
8127553	CS-134	13967-70-9	2.19E-01	pCi/L	8.3E-01	8.3E-01	U	1.58E+00		GAMMALL_GS	2.5005E+00	L	06/04/2008 09:19	I
8127553	CS-137	10045-97-3	4.69E-01	pCi/L	8.3E-01	8.3E-01	U	1.57E+00		GAMMALL_GS	2.5005E+00	L	06/04/2008 09:19	I
8127553	EU-152	14683-23-9	1.13E+00	pCi/L	2.1E+00	2.1E+00	U	3.88E+00		GAMMALL_GS	2.5005E+00	L	06/04/2008 09:19	I
8127553	EU-154	15585-10-1	1.34E+00	pCi/L	2.9E+00	2.9E+00	U	5.58E+00		GAMMALL_GS	2.5005E+00	L	06/04/2008 09:19	I
8127553	EU-155	14391-16-3	2.24E+00	pCi/L	2.6E+00	2.6E+00	U	4.69E+00		GAMMALL_GS	2.5005E+00	L	06/04/2008 09:19	I
8127553	K-40	13966-00-2	1.22E+01	pCi/L	2.2E+01	2.2E+01	U	9.09E+00		GAMMALL_GS	2.5005E+00	L	06/04/2008 09:19	I
8127553	RU-106	13967-48-1	-1.41E-01	pCi/L	8.4E+00	8.4E+00	U	1.49E+01		GAMMALL_GS	2.5005E+00	L	06/04/2008 09:19	I
8127553	SB-125	14234-35-6	-1.13E+00	pCi/L	2.1E+00	2.1E+00	U	3.55E+00		GAMMALL_GS	2.5005E+00	L	06/04/2008 09:19	I
8127554	SR-90	10098-97-2	1.73E+03	pCi/L	1.6E+01	2.5E+02		2.20E+00	71.9	SRISO_SEP_PRE	2.6001E-01	L	06/04/2008 06:51	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:
9KLXA210	B1V215		MW6-SBB-A1	I08-032	W05383					04/23/2008 09:07

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127559	H-3	10028-17-8	3.06E+02	pCi/L	1.5E+02	1.6E+02	U	3.29E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/17/2008 22:26	I
8127557	C-14	14762-75-5	1.07E+01	pCi/L	3.9E+00	4.6E+00		8.47E+00	100.0	C14_LSC	2.00E-01	L	06/03/2008 17:10	I
8127554	SR-90	10098-97-2	7.33E-02	pCi/L	2.1E-01	2.5E-01	U	5.41E-01	76.6	SRISO_SEP_PRE	1.00E+00	L	06/04/2008 06:55	I

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

8127549	TC-99	14133-76-7	3.76E+00	pCi/L	4.2E+00	6.0E+00	U	9.83E+00	100.0	TC99_ETVDSK_LS	1.2502E-01	L	05/15/2008	02:47	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KLXA310	B1V231		MW6-SBB-A1	I08-032	W05383					04/23/2008 11:21

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127559	H-3	10028-17-8	1.06E+02	pCi/L	1.4E+02	1.5E+02	U	3.24E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/17/2008 23:48	I
8127557	C-14	14762-75-5	8.15E-01	pCi/L	3.5E+00	4.3E+00	U	8.47E+00	100.0	C14_LSC	2.00E-01	L	06/03/2008 17:53	I
8127554	SR-90	10098-97-2	-8.95E-02	pCi/L	2.4E-01	2.8E-01	U	6.21E-01	82.1	SRISO_SEP_PRE	1.00E+00	L	06/04/2008 06:55	I
8127549	TC-99	14133-76-7	5.95E-01	pCi/L	4.1E+00	5.8E+00	U	9.84E+00	100.0	TC99_ETVDSK_LS	1.2502E-01	L	05/15/2008 04:52	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KLXAT10	B1V211		MW6-SBB-A1	I08-032	W05383					04/23/2008 09:08

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127559	H-3	10028-17-8	3.27E+02	pCi/L	1.4E+02	1.6E+02		3.22E+02	100.0	906.0_H3_LSC	5.00E-03	L	05/17/2008 21:03	I
8127557	C-14	14762-75-5	7.78E+00	pCi/L	3.8E+00	4.5E+00	U	8.47E+00	100.0	C14_LSC	2.00E-01	L	06/03/2008 16:27	I
8127554	SR-90	10098-97-2	2.07E-01	pCi/L	2.6E-01	2.6E-01	U	5.36E-01	74.8	SRISO_SEP_PRE	1.00E+00	L	06/04/2008 06:55	I
8127549	TC-99	14133-76-7	1.75E+00	pCi/L	4.1E+00	5.9E+00	U	9.83E+00	100.0	TC99_ETVDSK_LS	1.2502E-01	L	05/15/2008 01:44	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KMCD310	B1V111		MW6-SBB-A1	W08-004	W05383					04/30/2008 13:21

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127547	ALPHA	12587-46-1	1.74E+00	pCi/L	1.1E+00	1.2E+00		1.23E+00	100.0	9310_ALPHABETA	2.001E-01	L	06/03/2008 09:37	I
8127548	BETA	12587-47-2	1.01E+01	pCi/L	1.9E+00	2.4E+00		2.75E+00	100.0	9310_ALPHABETA	2.001E-01	L	06/03/2008 19:42	I
8127550	TC-99	14133-76-7	1.35E+01	pCi/L	4.7E+00	6.9E+00		1.02E+01	100.0	TC99_SEP_LSC	1.2566E-01	L	06/05/2008 07:36	I
8127552	Uranium	7440-61-1	2.85E+00	ug/L	2.9E-01	2.9E-01		8.35E-02		UTOT_KPA	2.51E-02	ML	06/03/2008 10:52	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KMEM010	B1T5V7		MW6-SBB-A1	W08-002	W05383					04/29/2008 08:00

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127547	ALPHA	12587-46-1	1.86E-01	pCi/L	3.6E-01	3.7E-01	U	8.06E-01	100.0	9310_ALPHABETA	2.003E-01	L	06/03/2008 09:37	I
8127548	BETA	12587-47-2	2.40E-01	pCi/L	1.2E+00	1.2E+00	U	2.62E+00	100.0	9310_ALPHABETA	2.002E-01	L	06/03/2008 19:42	I

Lab Sample Id:	Client Id:	Test User	Contract Nbr	SAF Nbr	Sdg Nbr:	QC Type:	Moisture/ Solids%*:	Distilled Volume	Sample On Date:	Collection Date:
9KMEM110	B1T5V6		MW6-SBB-A1	W08-002	W05383					04/29/2008 14:11

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.

6/13/2008 10:58:14 AM

TestAmerica Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **Version:** 05 **Rpt Nbr:** 39298 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Batch	Analyte	CAS#	Result	Unit	CntU 2S	TotU 2S	Qual	MDA	TrcYield	Method	Alq Size	Unit	Analy Date/Time	Act
8127547	ALPHA	12587-46-1	1.59E+00	pCi/L	1.6E+00	1.7E+00	U	3.08E+00	100.0	9310_ALPHABETA	1.086E-01	L	06/03/2008 11:13	I
8127548	BETA	12587-47-2	7.77E+02	pCi/L	1.7E+01	9.9E+01		5.12E+00	100.0	9310_ALPHABETA	1.22E-01	L	06/03/2008 19:42	I

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

Friday, June 13, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMR11AB **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/29/2008 14:11

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								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
8127548	BETA	-6.18E-01	pCi/L	1.1E+00	U	2.55E+00	100.0		9310_ALPHAB	2.005E-01	06/03/2008				D
BLK	12587-47-2			1.1E+00						L	19:42				

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

Friday, June 13, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id:	KMMR41AB	**Sdg/Rept Nbr:**	W05383	39298	**Collection Date:** 04/23/2008 09:07
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 04/23/2008

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
8127549	TC-99	2.28E+00	pCi/L	5.9E+00	U	9.83E+00	100.0		TC99_ETVDSK	1.2501E-01	05/15/2008				D
BLK	14133-76-7			4.1E+00						L	08:00				

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

Friday, June 13, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMR61AB **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/30/2008 13:21

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 04/30/2008

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
8127550	TC-99	2.14E+00	pCi/L	6.3E+00	U	1.03E+01	100.0		TC99_SEP_LS	1.2517E-01	06/05/2008				D
BLK	14133-76-7			4.3E+00						L	10:44				

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

TESTAMERICA

Friday, June 13, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMR91AB **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/30/2008 13:21

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 04/30/2008

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
8127552	Uranium	0.00E+00	ug/L	0.0E+00	U	8.38E-02			UTOT_KPA	2.50E-02	06/03/2008				D
BLK	7440-61-1			0.0E+00						ML	10:33				

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

Friday, June 13, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMRX1AB **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/29/2008 08:00

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								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
8127547	ALPHA	-3.13E-01	pCi/L	2.2E-01	U	8.68E-01	100.0		9310_ALPHAB	2.004E-01	06/03/2008				D
BLK	12587-46-1			2.1E-01						L	11:13				

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

Friday, June 13, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id:	KMMT31AB	**Sdg/Rept Nbr:**	W05383	39298	**Collection Date:** 04/24/2008 10:34
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 04/24/2008

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
8127559	H-3	4.64E+01	pCi/L	1.5E+02	U	3.20E+02	100.0		906.0_H3_LSC	5.00E-03	05/17/2008				D
BLK	10028-17-8			1.3E+02						L	18:18				

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.

Friday, June 13, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMT31DX **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/24/2008 10:34

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 04/24/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127559	H-3	1.92E+02	pCi/L	1.6E+02	U	3.39E+02	100.0		906.0_H3_LSC	5.00E-03	05/18/2008				D
BLK	10028-17-8			1.4E+02						L	10:48				

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

Friday, June 13, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMTD1AB **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/29/2008 10:49

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 04/29/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127553	BE-7	3.14E+00	pCi/L	1.4E+01	U	2.49E+01			GAMMALL_GS	2.5014E+00	06/04/2008				D
BLK	13966-02-4			1.4E+01						L	09:19				
8127553	CO-60	1.00E+00	pCi/L	1.4E+00	U	2.91E+00			GAMMALL_GS	2.5014E+00	06/04/2008				D
BLK	10198-40-0			1.4E+00						L	09:19				
8127553	CS-134	1.40E+00	pCi/L	1.4E+00	U	2.87E+00			GAMMALL_GS	2.5014E+00	06/04/2008				D
BLK	13967-70-9			1.4E+00						L	09:19				
8127553	CS-137	-2.25E-02	pCi/L	1.2E+00	U	2.08E+00			GAMMALL_GS	2.5014E+00	06/04/2008				D
BLK	10045-97-3			1.2E+00						L	09:19				
8127553	EU-152	-9.98E-01	pCi/L	2.9E+00	U	5.06E+00			GAMMALL_GS	2.5014E+00	06/04/2008				D
BLK	14683-23-9			2.9E+00						L	09:19				
8127553	EU-154	-7.85E-01	pCi/L	3.6E+00	U	6.57E+00			GAMMALL_GS	2.5014E+00	06/04/2008				D
BLK	15585-10-1			3.6E+00						L	09:19				
8127553	EU-155	1.60E+00	pCi/L	2.3E+00	U	4.34E+00			GAMMALL_GS	2.5014E+00	06/04/2008				D
BLK	14391-16-3			2.3E+00						L	09:19				
8127553	K-40	-9.85E-01	pCi/L	2.7E+01	U	5.49E+01			GAMMALL_GS	2.5014E+00	06/04/2008				D
BLK	13966-00-2			2.7E+01						L	09:19				
8127553	RU-106	2.22E+00	pCi/L	1.2E+01	U	2.18E+01			GAMMALL_GS	2.5014E+00	06/04/2008				D
BLK	13967-48-1			1.2E+01						L	09:19				
8127553	SB-125	-9.91E-01	pCi/L	3.3E+00	U	5.66E+00			GAMMALL_GS	2.5014E+00	06/04/2008				D
BLK	14234-35-6			3.3E+00						L	09:19				

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.

Friday, June 13, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMTF1AB **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/23/2008 09:07

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 04/23/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127554	SR-90	4.91E-02	pCi/L	2.8E-01	U	6.13E-01	74.4		SRISO_SEP_P	1.00E+00	06/04/2008				D
BLK	10098-97-2			1.9E-01						L	06:51				

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

Friday, June 13, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMTM1AB **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/28/2008 11:50

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

Moisture/Solids%*: **QC Type:** BLK **Received Date:** 04/28/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127555	I-129L	-1.50E-02	pCi/L	1.2E-01	U	2.25E-01	93.5		I129LL_SEP_L	3.8459E+00	05/23/2008				D
BLK	15046-84-1			1.2E-01						L	18:43				

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.

Friday, June 13, 2008

TestAmerica QC Blank Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id:	KMMTP1AB	**Sdg/Rept Nbr:**	W05383	39298	**Collection Date:** 04/28/2008 09:44
Client Id:	NA	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	BLK		**Received Date:** 04/28/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127557	C-14	1.12E+00	pCi/L	4.3E+00	U	8.47E+00	100.0		C14_LSC	2.00E-01	06/03/2008				D
BLK	14762-75-5			3.5E+00						L	15:02				

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

Friday, June 13, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id:	KMMR11CS	**Sdg/Rept Nbr:**	W05383	39298	**Collection Date:** 04/29/2008 14:11
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								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
8127548	BETA	2.33E+01	pCi/L	3.8E+00		2.58E+00	100.0	2.25E+01	9310_ALPHAB	2.003E-01	06/03/2008			70	D
BS	12587-47-2			2.5E+00				103.6		L	19:42			130	

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

Friday, June 13, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMR41CS **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/23/2008 09:07

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 04/23/2008

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
8127549	TC-99	5.22E+02	pCi/L	3.7E+01		9.85E+00	100.0	5.48E+02	TC99_ETVDSK	1.2501E-01	05/15/2008			70	D
BS	14133-76-7			1.3E+01				95.2		L	09:03			130	

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

Friday, June 13, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMR61CS **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/30/2008 13:21

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 04/30/2008

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
8127550	TC-99	5.18E+02	pCi/L	3.6E+01		1.03E+01	100.0	5.44E+02	TC99_SEP_LS	1.2518E-01	06/05/2008			70	D
BS	14133-76-7			1.3E+01				95.2		L	11:46			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.

Friday, June 13, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMR91CS **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/30/2008 13:21

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 04/30/2008

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
8127552	Uranium	3.48E+01	ug/L	4.1E+00		8.42E-02		3.64E+01	UTOT_KPA	2.49E-02	06/03/2008			70	D
BS	7440-61-1			4.1E+00				95.6		ML	10:40			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.

Friday, June 13, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMR91DS **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/30/2008 13:21

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 04/30/2008

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
8127552	Uranium	3.30E+00	ug/L	3.4E-01		8.28E-02		3.57E+00	UTOT_KPA	2.53E-02	06/03/2008			70	D
BS	7440-61-1			3.4E-01				92.5		ML	10:42			130	

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

Friday, June 13, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMRX1CS **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/29/2008 08:00

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								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
8127547	ALPHA	1.90E+01	pCi/L	4.4E+00		5.77E-01	100.0	2.27E+01	9310_ALPHAB	2.002E-01	06/03/2008			70	D
BS	12587-46-1			2.0E+00				83.7		L	11:13			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.

Friday, June 13, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMT31CS **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/24/2008 10:34

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 04/24/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127559	H-3	2.96E+03	pCi/L	2.7E+02		3.21E+02	100.0	2.71E+03	906.0_H3_LSC	5.00E-03	05/17/2008			70	D
BS	10028-17-8			2.2E+02				109.0		L	19:41			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.

Friday, June 13, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMT31EM **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/24/2008 10:34

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 04/24/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127559	H-3	2.46E+03	pCi/L	2.5E+02		3.34E+02	100.0	2.71E+03	906.0_H3_LSC	5.00E-03	05/18/2008			70	D
BS	10028-17-8			2.1E+02				90.5		L	12:11			130	

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

Friday, June 13, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMTD1CS **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/29/2008 10:49

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 04/29/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127553	CO-60	3.17E+01	pCi/L	5.2E+00		2.32E+00		3.05E+01	GAMMALL_GS	2.50E+00	06/04/2008			70	D
BS	10198-40-0			5.2E+00				103.9		L	09:20			130	
8127553	CS-137	3.92E+01	pCi/L	6.4E+00		2.49E+00		3.96E+01	GAMMALL_GS	2.50E+00	06/04/2008			70	D
BS	10045-97-3			6.4E+00				99.0		L	09:20			130	
8127553	EU-152	6.83E+01	pCi/L	1.2E+01		6.15E+00		6.06E+01	GAMMALL_GS	2.50E+00	06/04/2008			70	D
BS	14683-23-9			1.2E+01				112.8		L	09:20			130	

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

Friday, June 13, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMTF1CS **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/23/2008 09:07

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 04/23/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127554	SR-90	1.51E+01	pCi/L	2.3E+00		3.47E-01	78.5	1.35E+01	SRISO_SEP_P	1.00E+00	06/04/2008			70	D
BS	10098-97-2			7.7E-01				111.9		L	06:51			130	

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

Friday, June 13, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMTM1CS **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/28/2008 11:50

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 04/28/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127555	I-129L	1.01E+01	pCi/L	1.2E+00		3.50E-01	99.5	9.96E+00	I129LL_SEP_L	3.8545E+00	05/23/2008			70	D
BS	15046-84-1			1.2E+00				101.5		L	20:27			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.

Friday, June 13, 2008

TestAmerica QC Control Sample Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMMTP1CS **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/28/2008 09:44

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

Moisture/Solids%*: **QC Type:** BS **Received Date:** 04/28/2008

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

Batch # / Qc Type	Analyt/ CAS#	Result/ Orig Rst	Unit	Tot/Cnt Uncert 2S	Qu-al	MDC	Tracer Yield	Spk Conc/ %Rec	Analy Method	Aliq Size/	Date/Time Analyzed	RPD/ UCL	RER/ UCL	LCS LCL/UCL	R Typ
8127557	C-14	4.31E+01	pCi/L	5.9E+00		8.47E+00	100.0	4.66E+01	C14_LSC	2.00E-01	06/03/2008			70	D
BS	14762-75-5			4.8E+00				92.5		L	15:45			130	

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

Friday, June 13, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id:	KL07D1ER	**Sdg/Rept Nbr:**	W05383 39298	**Collection Date:**	04/24/2008 10:34
Client Id:	B1VBY3 DUP	**Matrix:**	WATER WATER	**Sample On Date:**	
Moisture/Solids%*:		**QC Type:**	DUP	**Received Date:**	04/24/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-025	MW6-SBB-A19981								AS	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
8127559	H-3	1.16E+02	pCi/L	1.5E+02	U	3.24E+02	100.0		906.0_H3_LSC	5.00E-03	05/18/2008	104.8	0.7		D
DUP	10028-17-8	3.62E+01		1.4E+02						L	02:33	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.

Friday, June 13, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id:	KL6K81ER	**Sdg/Rept Nbr:**	W05383	39298	**Collection Date:** 04/28/2008 09:44
Client Id:	B1TVY0 DUP	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 04/28/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-032	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
8127557	C-14	1.15E+03	pCi/L	4.6E+01		8.47E+00	100.0		C14_LSC	2.00E-01	06/03/2008	1.5	0.5		D
DUP	14762-75-5	1.16E+03		1.7E+01						L	19:18	20.0	3		

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

Friday, June 13, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KL6KQ1GR **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/28/2008 11:50

Client Id: B1TWX7 DUP **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 04/28/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
S08-004	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
8127555	I-129L	3.48E+00	pCi/L	5.9E-01		3.41E-01	96.2		I129LL_SEP_L	3.9035E+00	05/23/2008	3.1	0.3		D
DUP	15046-84-1	3.37E+00		5.9E-01						L	18:43	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.

Friday, June 13, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KL8MW1DR **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/29/2008 10:49

Client Id: B1THC4 DUP **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 04/29/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
G08-003	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
8127553	BE-7	-7.54E+00	pCi/L	2.0E+01	U	3.41E+01			GAMMALL_GS	2.5008E+00	06/04/2008	0.0	0.7		D
DUP	13966-02-4	1.93E+00		2.0E+01						L	09:19	20.0	3		
8127553	CO-60	-9.79E-01	pCi/L	1.9E+00	U	3.16E+00			GAMMALL_GS	2.5008E+00	06/04/2008	0.0	1.3		D
DUP	10198-40-0	7.71E-01		1.9E+00						L	09:19	20.0	3		
8127553	CS-134	2.14E+00	pCi/L	1.9E+00	U	3.75E+00			GAMMALL_GS	2.5008E+00	06/04/2008	162.9	1.4		D
DUP	13967-70-9	2.19E-01		1.9E+00						L	09:19	20.0	3		
8127553	CS-137	-8.50E-01	pCi/L	1.8E+00	U	2.95E+00			GAMMALL_GS	2.5008E+00	06/04/2008	0.0	1.1		D
DUP	10045-97-3	4.69E-01		1.8E+00						L	09:19	20.0	3		
8127553	EU-152	-1.14E+00	pCi/L	4.7E+00	U	8.07E+00			GAMMALL_GS	2.5008E+00	06/04/2008	0.0	0.7		D
DUP	14683-23-9	1.13E+00		4.7E+00						L	09:19	20.0	3		
8127553	EU-154	3.64E+00	pCi/L	5.5E+00	U	1.06E+01			GAMMALL_GS	2.5008E+00	06/04/2008	92.4	0.6		D
DUP	15585-10-1	1.34E+00		5.5E+00						L	09:19	20.0	3		
8127553	EU-155	2.76E+00	pCi/L	4.1E+00	U	7.09E+00			GAMMALL_GS	2.5008E+00	06/04/2008	20.9	0.2		D
DUP	14391-16-3	2.24E+00		4.1E+00						L	09:19	20.0	3		
8127553	K-40	-4.91E+01	pCi/L	3.7E+01	U	7.63E+01			GAMMALL_GS	2.5008E+00	06/04/2008	0.0	2.3		D
DUP	13966-00-2	1.22E+01		3.7E+01						L	09:19	20.0	3		
8127553	RU-106	-2.47E+00	pCi/L	1.5E+01	U	2.64E+01			GAMMALL_GS	2.5008E+00	06/04/2008	0.0	0.2		D
DUP	13967-48-1	-1.41E-01		1.5E+01						L	09:19	20.0	3		
8127553	SB-125	-5.06E+00	pCi/L	4.6E+00	U	7.27E+00			GAMMALL_GS	2.5008E+00	06/04/2008	0.0	1.2		D
DUP	14234-35-6	-1.13E+00		4.6E+00						L	09:19	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.

Friday, June 13, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id:	KLXA21FR	**Sdg/Rept Nbr:**	W05383	39298	**Collection Date:** 04/23/2008 09:07
Client Id:	B1V215 DUP	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	DUP		**Received Date:** 04/23/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-032	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
8127549	TC-99	-7.20E-01	pCi/L	5.7E+00	U	9.81E+00	100.0		TC99_ETVDSK	1.2502E-01	05/15/2008	294.9	1.1		D
DUP	14133-76-7	3.76E+00		4.0E+00						L	03:49	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.

Friday, June 13, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KLXA21GR **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/23/2008 09:07

Client Id: B1V215 DUP **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 04/23/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-032	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
8127554	SR-90	4.67E-02	pCi/L	2.9E-01	U	6.31E-01	73.2		SRISO_SEP_P	1.00E+00	06/04/2008	44.2	0.1		D
DUP	10098-97-2	7.33E-02		2.9E-01						L	06:55	20.0	3		

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

Friday, June 13, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMCD31GR **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/30/2008 13:21
Client Id: B1V111 DUP **Matrix:** WATER WATER **Sample On Date:**
Moisture/Solids%*: **QC Type:** DUP **Received Date:** 04/30/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W08-004	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
8127550	TC-99	8.33E+00	pCi/L	6.6E+00	U	1.03E+01	100.0		TC99_SEP_LS	1.2548E-01	06/05/2008	47.5	1.1		D
DUP	14133-76-7	1.35E+01		4.5E+00						L	09:41	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.

Friday, June 13, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMCD31HR **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/30/2008 13:21

Client Id: B1V111 DUP **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** DUP **Received Date:** 04/30/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W08-004	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
8127552	Uranium	2.86E+00	ug/L	2.9E-01		8.35E-02			UTOT_KPA	2.51E-02	06/03/2008	.5	0.1		D
DUP	7440-61-1	2.85E+00		2.9E-01						ML	10:54	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.

Friday, June 13, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMEM01DR **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/29/2008 08:00

Client Id: B1T5V7 DUP **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
W08-002	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
8127547	ALPHA	-1.63E-01	pCi/L	2.2E-01	U	8.75E-01	100.0		9310_ALPHAB	2.002E-01	06/03/2008	3033.3	2.2		D
DUP	12587-46-1	1.86E-01		2.2E-01						L	10:49	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.

Friday, June 13, 2008

TestAmerica QC Duplicate Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMEM11DR **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/29/2008 14:11

Client Id: B1T5V6 DUP **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
W08-002	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
8127548	BETA	8.97E+02	pCi/L	1.1E+02		4.96E+00	100.0		9310_ALPHAB	1.22E-01	06/03/2008	14.3	1.5		D
DUP	12587-47-2	7.77E+02		1.8E+01						L	19:42	20.0	3		

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

Friday, June 13, 2008

TestAmerica Qc Matrix Spike Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KL6JP1FW **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/28/2008 13:51

Client Id: B1TK90 **Matrix:** WATER WATER **Sample On Date:**

Moisture/Solids%*: **QC Type:** MS **Received Date:** 04/28/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
S08-003	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
8127552	Uranium	3.46E+01	ug/L	4.1E+00		8.32E-02		3.60E+01	UTOT_KPA	2.52E-02	06/03/2008			60	D
MS	7440-61-1			4.1E+00				96.1		ML	10:51			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.

Friday, June 13, 2008

TestAmerica Qc Matrix Spike Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id:	KLXA31FW	**Sdg/Rept Nbr:**	W05383	39298	**Collection Date:** 04/23/2008 11:21
Client Id:	B1V231	**Matrix:**	WATER	WATER	**Sample On Date:**
Moisture/Solids%*:		**QC Type:**	MS		**Received Date:** 04/23/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
I08-032	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
8127549	TC-99	3.42E+03	pCi/L	2.1E+02		9.81E+00	100.0	3.62E+03	TC99_ETVDSK	1.25E-01	05/15/2008			60	D
MS	14133-76-7			3.2E+01				94.7		L	05:55			140	

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

Friday, June 13, 2008

TestAmerica Qc Matrix Spike Report

Lab Code: TARL

FormNbr: R **FormatType:** FEAD **VersionNbr:** 05 **File Name:** h:\Reportdb\edd\FeadIV\Rad\W05383.Edd, h:\Reportdb\edd\FeadIV\Rad\39298.Edd

Lab Sample Id: KMCD31FW **Sdg/Rept Nbr:** W05383 39298 **Collection Date:** 04/30/2008 13:21
Client Id: B1V111 **Matrix:** WATER WATER **Sample On Date:**
Moisture/Solids%*: **QC Type:** MS **Received Date:** 04/30/2008

SAF Nbr	Contract Nbr	Test User	Case Nbr	SAS Nbr	Suffix	Decant	Distilled Volume	File Id	FSuffix	RTyp
W08-004	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
8127550	TC-99	3.31E+03	pCi/L	2.0E+02		1.03E+01	100.0	3.62E+03	TC99_SEP_LS	1.2515E-01	06/05/2008			60	D
MS	14133-76-7			3.2E+01				91.7		L	08:39			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 #	8120534
Start Date:	4/29/2008		Amount	Conc.(mg/L)	ABS.	RICH-WC-5003		SDG #	W05383
Start Time:		Blank	0.000	0.000	0.000	Revision 7		Matrix	Water
End Date:	4/29/2008	Std. 1	0.100	0.050	0.098				
End Time		Std. 2	0.500	0.250	0.487			Instrument Information	
		Std. 3	0.750	0.375	0.731	MDL (mg/L)	0.002	Instrument:	Hach DR2010
Analyst Signature:		Std. 4	1.500	0.750	1.448			Wavelength:	540
		Std 5	2.000	1.000	1.915			R Squared	0.99994
Date:		Standard Volume (mL):			100.000			Slope:	1.91705
		Date of Curve:			4/29/2008			Intercept:	0.00502

	Calibration Information:	ICV Information:		LCS Information:		Matrix Spike Information:	
Dilution ID #	Cr-08-00085	Cr-08-00086		Cr-08-00085		Cr-08-00085	
Prep Date:	04/29/08	04/29/08		04/29/08		04/29/08	
Concentration (mg/L)	50	50		50		50	
Expiration Date:	04/30/08	04/30/08		04/30/08		04/30/08	
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	0.970	0.000	0.970	1	0.5034	0.503	100.67%
n/a	n/a	ICB	100.000	0.000	0.000	0.000	1	<MDL	<MDL	
KL8QH1AA	n/a	Prep Blank	100.000	0.000		0.000	1	<MDL	<MDL	
KL8QH1AC	n/a	LCS	100.000	0.969		0.969	1	0.5028	0.503	100.57%
KL8MA1AA	B1TVV2'	Sample	100.000	0.018		0.018	1	0.0068	0.007	
KL8MA1AC-S	B1TVV2'-MS	MS	100.000	0.573		0.573	1	0.2963	~~0.296~~ 0.289	110.01%
KL8MA1AD-D	B1TVV2'-MSD	MSD	100.000	0.517		0.517	1	0.2671	~~0.267~~ 0.260	98.91%
KL8MA1AE-X	B1TVV2'-DUP	Duplicate	100.000	0.018		0.018	1	0.0068	0.007	SKS 4/30/08
			100.000				1			
			100.000				1			
			100.000				1			
			100.000				1			
n/a	n/a	CCV	100.000	0.969		0.969	1	0.5028	0.503	100.57%
n/a	n/a	CCB	100.000	0.000		0.000	1	<MDL	<MDL	
			100.000				1			
			100.000				1			
			100.000				1			
			100.000				1			
			100.000				1			

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

6/4/2008 11:19:32 AM

Lot No., Due Date: J8D240362,J8D240367,J8D280196,J8D280197,J8D300360,J8E010279; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127547; RALPHA-A Alpha by GPC-Am

SDG, Matrix: W05383; WATER

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

6.0 Comments on any No response:

Please see NCM # 10-12461

First Level Review John Horton **Date** 6-4-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8127547

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

Comments on any "No" response: See NCR

Second Level Review: Erika [illegible] Date: 6/4/18

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

Clouseau
Nonconformance Memo

TestAmerica

NCM #:	**10-12461**		
NCM Initiated By:	John Norton	Classification:	**Anomaly**
Date Opened:	06/04/2008	Status:	**GLREVIEW**
Date Closed:		Production Area:	Environmental - Prep
		Tests:	None
		Lot #'s (Sample #'s):	J8E010279 (2),
		QC Batches:	None.,
Nonconformance:	MDA not met		
Subcategory:	Sample size reduced due to high residue mass		

Problem Description / Root Cause

Name	Date	Description
John Norton	06/04/2008	The IDC for this sample is approximately equal to the RDL because of a reduced aliquot size and a slightly high background in the detector.

Corrective Action

Name	Date	Corrective Action
John Norton	06/04/2008	The sample can be re-counted for a longer time frame if desired.

Client Notification Summary

Client	Project Manager	Notified	Response	How Notified	Note	Response	Response Note

Quality Assurance Verification

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

Approval History

Date Approved	Approved By	Position

Date Printed: 6/4/2008

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

6/4/2008 10:52:34 AM

Lot No., Due Date: J8D240362,J8D240367,J8D280196,J8D280197,J8D290322,J8D300360,J8E010279; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127548; RBETA-SR Beta by GPC-Sr/Y

SDG, Matrix: W05383; WATER

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

6.0 Comments on any No response:

Please see NCM # 10-12459

First Level Review _____ **Date** _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 812 7548

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

Comments on any "No" response: See Ncm

Second Level Review: Erika Good Date: 6/4/8

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

Clouseau
Nonconformance Memo

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

NCM #:	**10-12459**		
NCM Initiated By:	John Norton	Classification:	**Anomaly**
Date Opened:	06/04/2008	Status:	**GLREVIEW**
Date Closed:		Production Area:	Environmental - Prep
		Tests:	None
		Lot #'s (Sample #'s):	J8E010279 (2),
		QC Batches:	None.,
Nonconformance:	MDA not met		
Subcategory:	Sample size reduced due to high residue mass		

Problem Description / Root Cause

Name	Date	Description
John Norton	06/04/2008	The sample and duplicate did not meet the RDL.

Corrective Action

Name	Date	Corrective Action
John Norton	06/04/2008	The activity detected in the sample and duplicate is greater than the IDC, the data can be accepted.

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

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

6/5/2008 9:23:31 AM

Lot No., Due Date: J8D280196,J8D280199,J8D280197,J8D290324,J8D240157; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127554; RSR85907 Sr-85/90 by GPC-7

SDG, Matrix: W05383; WATER

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

6.0 Comments on any No response:
Please see NCM # 10-12474

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8127554

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

Comments on any "No" response: Sample screening revealed activity which prompted a reduced aliquot sample above CRDL. C-NCM

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

Clouseau
Nonconformance Memo

TestAmerica
THE PARTNER IN ENVIRONMENTAL TESTING

NCM #: **10-12474**
NCM Initiated By: John Norton
Date Opened: 06/05/2008
Date Closed:

Classification: **Anomaly**
Status: **GLREVIEW**
Production Area: Environmental - Prep
Tests: None
Lot #'s (Sample #'s): J8D290324 (1),
QC Batches: None.,

Nonconformance: MDA not met
Subcategory: Data accepted

Problem Description / Root Cause

Name	Date	Description
John Norton	06/05/2008	This sample did not meet the RDL due to a reduced aliquot size prompted by activity detected in the sample during screening.

Corrective Action

Name	Date	Corrective Action
John Norton	06/05/2008	The activtiy detected in the sample was greater than the IDC, the data can be accepted.

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

6/5/2008 9:07:37 AM

Lot No., Due Date: J8D290324; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127553; RGAMMA Gamma by GER

SDG, Matrix: W05383; 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 Vista **Date** 6-5-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 812755 3

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

Comments on any "No" response: NO NCM

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

5/28/2008 10:40:33 AM

Lot No., Due Date: J8D280197; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127555; RGAMLEPS Gamma by LEPS

SDG, Matrix: W05383; 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** 5-28-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 812 7SSS

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: 5/28/18

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

5/20/2008 9:41:44 AM

Lot No., Due Date: J8D240362,J8D240157; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127549; RTC99 Tc-99 by LSC

SDG, Matrix: W05383; 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: 8127549

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

6/9/2008 7:26:47 AM

Lot No., Due Date: J8D300360; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127550; RTC99 Tc-99 by LSC

SDG, Matrix: W05383; 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** 6-9-8

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8127550

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: 6/9/8

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

5/20/2008 9:36:36 AM

Lot No., Due Date: J8D240367,J8D280199,J8D280197,J8D240157; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127559; RTRITIUM H-3 by LSC

SDG, Matrix: W05383; 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 Martin **Date** 5-20-5

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8127559

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 Gade Date: 5/26/17

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

6/5/2008 12:55:12 PM

Lot No., Due Date: J8D280199,J8D240157; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127557; RC14 C-14 by LSC

SDG, Matrix: W05383; 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** 6-5-8

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist
RADIOCHEMISTRY
Second Level Review

Batch Number: 8127557

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 [signature] Date: 6/9/8

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Data Review/Verification Checklist

RADIOCHEMISTRY, First Level Review

6/4/2008 10:17:12 AM

Lot No., Due Date: J8D240362,J8D280196,J8D300360; 06/16/2008

Client, Site: 384868; PGW 615HANFORD HANFORD

QC Batch No., Method Test: 8127552; RUNAT UNat by KPA

SDG, Matrix: W05383; 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 Kostka **Date** 6-9-2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Data Review Checklist

RADIOCHEMISTRY

Second Level Review

Batch Number: 8127552

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 Gnd Date: 6/4/18

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

TestAmerica

Richland Laboratory
Data Review Check List
Hexavalent Chromium

Due 6/16

Batch Number(s): **8120534** J8D290320

Lab Sample Numbers or W05383

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: Ore serial dilution performed per SDG?			✓	✓
6. ICP only: CRDL standard (CRI or CRA) analyzed at required frequency?			✓	✓
7. ICP only: Interference check samples (ICSA, ICSAB) and HICAL analyzed at the required frequencies and within QC limits?			✓	✓

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

Comments on any "No" response:

Analyst: _____ Date: 4/30/08

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

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D240157 W05383 DUE 6608 KLXAT

C.O.C. # **I08-032-98**

Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-032	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100KR4IAM(1/2), APRIL 2008	HWF-N-506-13	Ice Chest No.: RW1 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
B1V211		W	4/23/08	0908	1x20-mL P	Activity Scan	None
B1V211		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1V211		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
B1V211		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
B1V211		W			1x1000-mL P	906.0_H3_LSC: Tritium (1)	None

DRW 4/23/08

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	APR 23 2008 1430	LJLANE TAL	APR 23 2008 1430

Matrix *

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

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

TESTAMERICA

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST J8D240157 W05383 DUE 6 6 08 KLXA2	C.O.C. # I08-032-105 Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: I08-032	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: 100KR4IAM(1/2) APRIL 2008	HWF-W-506-13	Ice Chest No.: GW1 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
B1V215		W	4/23/08	0907	1x20-mL P	Activity Scan	None
B1V215		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1V215		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
B1V215		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
B1V215		W			1x1000-mL P	906.0_H3_LSC: Tritium (1)	None

DRW 4/23/08

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Roy Sickle			APR 23 2008 1430		WLANE TAL		APR 23 2008 1430
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TESTAMERICA

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST J8D240157 W05383 DUE 6608 KLXA3	C.O.C. # I08-032-119 Page 1 of 1

Collector Roy Sickle	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I08-032	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 100KR4IAM(1/2), APRIL 2008	HNF-N-506-13	Ice Chest No. Brad 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
B1V231		W	4/23/08	1121	1x20-mL P	Activity Scan	None
B1V231		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1V231		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
B1V231		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2
B1V231		W			1x1000-mL P	906.0_H3_LSC: Tritium (1)	None

DRW
4-23-08

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	APR 23 2008 1430	R LULANE TAL	APR 23 2008 1450

Matrix *

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

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

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Sample Check-in List

Date/Time Received: 42308 1430 GM Screen Result 0.1K

Client: PGW SDG #: W05383 NA[ ] SAF #: I08-032 NA [ ]

Work Order Number: J8D240157 Chain of Custody # I08-032-98,-105,-119

Shipping Container ID: _____ Air Bill # _____

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

Sample Custodian: _____ Date: 42308

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 J8D240362 W05383 DUE 6 9 08 KL058	C.O.C. # S08-012-577 Page 1 of 1

Collector: Roy Sickle	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: S08-012	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV. DECEMBER 2007	HWF-N-506-13	Ice Chest No.: EW-1 Temp.
Shipped To (Lab): TestAmerica Incorporated, Richland	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RDW8		W	4/24/08	1142	1x20-mL P	Activity Scan	None
B1RDW8		W	↓	↓	3x1000-mL P	TRITIUM_ELECT_LSC_LL: H-3 (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
Roy Sickle			APR 24 2008 1450		LJ LANE	TAL	APR 24 2008 1450
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 J8D240362 W05383 DUE 6 9 08 KL06A	C.O.C. # S08-012-547 Page 1 of 1

Collector Roy Sickle	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. S08-012	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title SURV. DECEMBER 2007	HNF-N-506-13	Ice Chest No. 6W-1 Temp.
Shipped To (Lab) TestAmerica Incorporated, Richland	Method of Shipment Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol SURV	Priority: 45 Days	Offsite Property No.

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RCP5		W	4/24/08	1030	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1RCP5		W	↓	↓	1x20-mL P	Activity Scan	None
B1RCP5		W			3x1000-mL P	TRITIUM_ELECT_LSC_LL: H-3 (1)	None
B1RCP5		W			1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	APR 24 2008 1430	LJLANE TAL	APR 24 2008 1430

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

J8D240362 W05383 DUE 6908 KL062

C.O.C. # **S08-012-553**

Page 1 of 1

Collector Roy Sickle	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. S08-012	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title SURV, DECEMBER 2007	HWF-W-506-13	**Ice Chest No.** GW-1 **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol SURV	**Priority:** 45 Days	**Offsite Property No.**

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

SPECIAL INSTRUCTIONS **Hold Time** Total Activity Exemption: Yes ☑ No ☐
All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 08 SAFs into one SDG, not to exceed SDG closure of 14 days.
WSCF: Batch all GW samples submitted into one SDG, daily closure.
FY07 and FY08 samples cannot be in the same SDG.

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1RCP9		W	4/24/08	0937	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1RCP9		W			1x20-mL P	Activity Scan	None
B1RCP9		W			3x1000-mL P	TRITIUM_ELECT_LSC_LL: H-3 (1)	None
B1RCP9		W			1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2
B1RCP9		W			1x500-mL P	TC99_ETVDSK_LSC: Tc-99 (1)	HCl to pH <2

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Roy Sickle	APR 24 2008 1450	LJ LANE TAL	APR 24 2008 1450
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

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Sample Check-in List

Date/Time Received: 42408 1450 GM Screen Result 0.1K

Client: PGW SDG #: W05383 NA[ ] SAF #: 508-012 NA [ ]

Work Order Number: 18D240362 Chain of Custody # _____

Shipping Container ID: _____ Air Bill # _____

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

Sample Custodian: RJP Date: 42408

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 J8D240367 W05383 DUE 6908 KL07D	C.O.C. # I08-025-155 Page 1 of 1

Collector R. A. Shepard	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	HW7-N-506-10	Ice Chest No. FRL-028 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
B1VBY3		W	4/24/08	1034	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VBY3		W			1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VBY3		W			1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. A. Shepard			APR 24 2008 1400	D. R. Williamson			APR 24 2008 1400
D. R. Williamson			APR 24 2008 1450	L.J. LANE	TAL		APR 24 2008 1450

Matrix *

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

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

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TESTAMERICA

FLUOR HANFORD

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

J8D240367 W05383 DUE 6908 KL07G

C.O.C. # **I08-025-160**

Page 1 of 1

Collector R. A. Shepard	Contact/Requester	Telephone No. MSIN FAX
SAF No. I08-025	Sampling Origin	Purchase Order/Charge Code
Project Title 100HR3IAM(1/2) MARCH 2008	HNF-N-506-10	Ice Chest No. 9608 4Hot7 EAC-628-GLD Temp.
Shipped To (Lab) TestAmerica Incorporated, Richland	Method of Shipment	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 ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1VBY5		W	4/21/08	1120	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VBY5		W			1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VBY5		W			1x20-mL P	Activity Scan	None

Relinquished By	Date/Time	Received By	Date/Time
Print: R. A. Shepard Sign:	APR 24 2008 1400	Print: D. R. Williamson Sign:	APR 24 2008 1400
Print: D. R. Williamson Sign:	APR 24 2008 1450	Print: LJ LANE Sign:	APR 24 2008 1450

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 J8D240367 W05383 DUE6908 KL07K	C.O.C. # I08-025-163 Page 1 of 1

Collector R. A. Shepard	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-506-10	Ice Chest No. ERC-96-028 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
B1TJ43		W	4/24/08	0934	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1TJ43		W			1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1TJ43		W			1x20-mL P	Activity Scan	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. A. Shepard			APR 24 2008 1400	D. R. Williamson			APR 24 2008 1400
D. R. Williamson			APR 24 2008 1450		W LANE	TAL	APR 24 2008 1450

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 J8D240367 W05383 DUE 6908 KLOTN	C.O.C. # I08-025-176 Page 1 of 1

Collect R. D. Julian	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.: 3HNG-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
B1VC02		W	4-24-08	1205	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None
B1VC02		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1VC02		W	↓	↓	1x20-mL P	Activity Scan	None

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
R. D. Julian	R. D. Julian	APR 24 2008 1400	D. R. Williamson	D. R. Williamson	APR 24 2008 1400
D. R. Williamson	D. R. Williamson	APR 24 2008 1450	LWLANE TAL		APR 24 2008 1450

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

Date/Time Received: 4 24 08 1450 GM Screen Result 0.1K

Client: PGW SDG #: W05383 NA[ ] SAF #: I08-025 NA [ ]

Work Order Number: J8D240367 Chain of Custody # I08-025-155,-160,-163,-176

Shipping Container ID: _____ Air Bill # _____

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

Sample Custodian: _____ Date: 4 24 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 J8D280196 W05383 DUE 61208 KL6JP	C.O.C. # S08-003-110 Page 1 of 1

Collector D. R. Williamson	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. S08-003	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title SURV, MARCH 2008	HNF-N-506-15	Ice Chest No. SML-461 Temp.
Shipped To (Lab) TestAmerica Incorporated Richland	Method of Shipment Govt. Vehicle	Bill of Ladine/Air Bill No.
Protocol SURV	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
B1TK90		W	4-28-08	1359	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1TK90		W	↓	↓	1x20-mL P	Activity Scan	None
B1TK90		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
B1TK90		W			1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. R. Williamson			APR 28 2008 1440		LVLANE	TAL	APR 28 2008 1440
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: 42808 1440 GM Screen Result 0.1 K

Client: PGW SDG #: W05383 NA[ ] SAF #: 508-003 NA [ ]

Work Order Number: 18D280196 Chain of Custody # 508-003-110

Shipping Container ID: N/A Air Bill # N/A

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

Sample Custodian: RJP Date: 42808

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 J8D28D197 W05383 DUE 61208 KL6KQ	C.O.C. # S08-004-221 Page 1 of 0

Collector: D. R. Williamson	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: S08-004	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: SURV, APRIL 2008	HNF-N-506-15	Ice Chest No: SMC-461 Temp.
Shipped To (Lab): TestAmerica Incorporated, Richland	Method of Shipment: Govt. Vehicle	Bill of Lading/Air Bill No.
Protocol: SURV	Priority: 45 Days	Offsite Property No.

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

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

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TWX7		W	4-28-08	1150	1x20-mL P	Activity Scan	None
B1TWX7		W	↓	↓	3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
B1TWX7		W			2x4000-mL G/P	I129LL_SEP_LEPS_GS_LL: I-129 (1)	None
B1TWX7		W			1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1TWX7		W			1x1000-mL P	906.0_H3_LSC: Tritium (1)	None

Relinquished By	Date/Time	Received By	Date/Time
Print: D. R. Williamson Sign: [signature]	APR 28 2008 1440	Print: LILANE TAL Sign: [signature]	APR 28 2008 1440

Matrix *

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 42808 1440 GM Screen Result 0.1 IC

Client: PGW SDG #: W05383 NA[ ] SAF #: 508-004 NA [ ]

Work Order Number: J8D280197 Chain of Custody # 508-004-221

Shipping Container ID: N/A Air Bill # N/A

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

Sample Custodian: [signature] Date: 42808

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 J8D280199 W05383 DUE 61208 KL6K8	C.O.C. # I08-032-25 Page 1 of 1

Collector	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. I08-032	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title I00KR4IAM(1/2), APRIL 2008	HNF-N-500-13	**Ice Chest No.** ERL-043 **Temp.**
Shipped To (Lab) TestAmerica Incorporated, Richland	**Method of Shipment** Govt. Vehicle	**Bill of Lading/Air Bill No.**
Protocol CERCLA	**Priority:** 45 Days	**Offsite Property No.**

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

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TVY0		W	4-28-08	0944	1x20-mL P	Activity Scan	None
B1TVY0		W			2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1TVY0		W			3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
B1TVY0		W			1x1000-mL P	906.0_H3_LSC: Tritium (1)	None

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
			APR 28 2008 1430		WIANE	TAL	APR 28 2008 1430
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TESTAMERICA

FLUOR HANFORD	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	C.O.C. # 108-032-31
	J8D280199 W05383 DUE 61208 KL6LA	Page 1 of 1

Collector Kevin Patterson, Fluor Hanford	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. 108-032	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title 100KR4IAM(1/2), APRIL 2008		**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
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TVY3		W	5-29-06	0914	1x20-mL P	Activity Scan	None
B1TVY3		W		0914	2x1000-mL G/P	C14_LSC: C-14 (1)	None
B1TVY3		W		0914	3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
B1TVY3		W		0914	1x1000-mL P	906.0_H3_LSC: Tritium (1)	None

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
Kevin Patterson, Fluor Hanford	APR 28 2008 1430	R W LANE TAL	APR 28 2008 1530
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Matrix *

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 42808 1430 GM Screen Result 0.11K

Client: PGW SDG #: W05383 NA[ ] SAF #: I08-032 NA [ ]

Work Order Number: J8D280199 Chain of Custody # I08-032-25,-31

Shipping Container ID: N/A Air Bill # N/A

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

Sample Custodian: RJP Date: 42808

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 J8D290320 W05383 Due 06 13 08	C.O.C. # I08-031-44 Page 1 of 1

Collector J. Sparks	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. I08-031	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 100HR3IAM(1/2), APRIL 2008	HNF N-5206 15	Ice Chest No. SMC-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
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

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

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TVV2		W	4-29-08	1326	1x500-mL aG	7196_CR6: Hexavalent Chromium (1)	Cool~4C
B1TVV2		W	↓	↓	1x20-mL P	Activity Scan	None
						KL8MA	

Relinquished By (Print / Sign)	Date/Time	Received By (Print / Sign)	Date/Time
D. J. Sparks	APR 29 2008	RA SHEPARD	APR 29 2008
RA SHEPARD	1515 4-29-08	F M HALL	4-29-08 1515
F M HALL	1518 4-29-08	RJR LJ LANE TAL	4-29-08
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: 42908 1518 GM Screen Result 0.1K

Client: PGW SDG #: W05383 NA[ ] SAF #: I08-031 NA [ ]

Work Order Number: J8D290320 Chain of Custody # I08-031-44

Shipping Container ID: N/A Air Bill # N/A

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

Sample Custodian: [signature] Date: 42908

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	C.O.C. # G08-004-10
	~~JBD290325~~ JBD290322 W05383 Due 06.13.08	Page 1 of 1

Collector D. J. Sparks	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. G08-004	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 1NR2-RB, APRIL 2008	HNF N-506-15	Ice Chest No. 3ML-461 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
100 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1TVN9		W	4-26-08	0931	1x1000-mL P	9310_ALPHABETA_GPC: Gross Beta (1)	HNO3 to pH <2
B1TVN9		W	↓	↓	1x20-mL P	Activity Scan	None
						RL8mm	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. J. Sparks			APR 29 2008	RA Shepard			APR 29 2008
RA Shepard			1515 4-29-08	F M Hall			1515 4-29-08
F M Hall			1515 4-29-08	LJ Lane	TAL		1518 4-29-08
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

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 42908 1518 GM Screen Result 0.1 K

Client: PGW SDG #: W05383 NA[ ] SAF #: G08-004 NA [ ]

Work Order Number: J8D290322 Chain of Custody # G08-004-10

Shipping Container ID: N/A Air Bill # N/A

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

Sample Custodian: [signature] Date: 42908

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 J8D290324 W05383 Due 06 13 08	C.O.C. # G08-003-64 Page 1 of 1

Collector D. J. Sparks	Contact/Requester Steve Trent	Telephone No. 509-373-5869 MSIN FAX
SAF No. G08-003	Sampling Origin Hanford Site	Purchase Order/Charge Code
Project Title 1NR2-RB, MARCH 2008	HNF-N-506-15	Ice Chest No. SML-461 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**
100 Area Generator Knowledge Information Form applies.

Total Activity Exemption: Yes ☑ No ☐

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1THC4		W	4-29-08	1049	1x20-mL P	Activity Scan	None
B1THC4		W	↓	↓	1x4000-mL G/P	GAMMALL_GS: List-1 (9)	HNO3 to pH <2
B1THC4		W	↓	↓	3x1000-mL G/P	SRISO_SEP_PRECIP_GPC: Sr-90 (1)	HNO3 to pH <2
						KL8MW	

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
D. J. Sparks			APR 29 2008	RA SHEPARD			APR 29 2008
RA SHEPARD			4-29-08 1515	FM HALL			4-29-08 1515
FM HALL			4-29-08 1515	LJ LANE	TAL		4-29-08 1515
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 42908 1518 GM Screen Result 0.1 K

Client: PGW SDG #: W05383 NA[ ] SAF #: G08-003 NA [ ]

Work Order Number: J80290824 Chain of Custody # G08-003-64

Shipping Container ID: N/A Air Bill # N/A

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

Sample Custodian: RJ Date: 4 29 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	C.O.C. # W08-004-141
	J8D300360 W05383 DUE 6 13 08 KMCD3	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	HNF-N-506-15	Ice Chest No. SML-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
B1V111		W	4-30-08	1321	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
B1V111		W	↓	↓	1x500-mL G/P	UTOT_KPA: Uranium (1)	HNO3 to pH <2
B1V111		W			1x20-mL P	Activity Scan	None
B1V111		W			3x1000-mL G/P	TC99_SEP_LSC: Tc-99 (1)	HCl to pH <2

Relinquished By	Print	Sign	Date/Time	Received By	Print	Sign	Date/Time
R. D. Julian			APR 30 2008 1500		LJLANE	TAL	APR 30 2008 1500
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time
Relinquished By			Date/Time	Received By			Date/Time

Matrix *

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

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 4 30 08 1500 GM Screen Result 0.1K

Client: PGW SDG #: W05383 NA[ ] SAF #: W08-004 NA [ ]

Work Order Number: J8D300360 Chain of Custody # W08-004-141

Shipping Container ID: N/A Air Bill # N/A

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

Sample Custodian: [signature] Date: 4/30/08

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 J8E010279 W05383 Due 06-16-08	C.O.C. # W08-002-341 Page 1 of 1

Collector	Contact/Requester: Steve Trent	Telephone No.: 509-373-5869 MSIN FAX
SAF No.: W08-002	Sampling Origin: Hanford Site	Purchase Order/Charge Code
Project Title: RCRA, FEBRUARY 2008		Ice Chest No. 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
B1T5V7		W	4-29-08	0800	1x20-mL P	Activity Scan	None
B1T5V7		W	↓	↓	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2
						KMEMO	

Relinquished By	Print / Sign	Date/Time	Received By	Print / Sign	Date/Time
		1310 5-1-08		W 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 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	C.O.C. # W08-002-340
	J8E010279 W05383 Due 06 16 08	Page 1 of 1

Collector	**Contact/Requester** Steve Trent	**Telephone No.** 509-373-5869 **MSIN** **FAX**
SAF No. W08-002	**Sampling Origin** Hanford Site	**Purchase Order/Charge Code**
Project Title RCRA FEBRUARY 2008		**Ice Chest No.** **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.

1411 4-29-08

Sample No.	Lab ID	*	Date	Time	No/Type Container	Sample Analysis	Preservative
B1T5V6		W	4-29-08	~~0800~~	1x20-mL P	Activity Scan	None
B1T5V6		W	|	|	1x1000-mL P	9310_ALPHABETA_GPC: Alpha + Beta (2)	HNO3 to pH <2

KMEM1

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 Liquid
SO	= Solid	T	= Tissue
SL	= Sludge	WI	= Wine
W	= Water	L	= Liquid
O	= Oil	V	= Vegetation
A	= Air	X	= Other

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sample Check-in List

Date/Time Received: 05-07-08 1310 **GM Screen Result** .1

Client: PGW **SDG #:** W05383 NA[ ] **SAF #:** W08 002 NA [ ]

Work Order Number: JSE010279 **Chain of Custody #** W08-002-340, 341

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: _____ **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 1:56:29 PM

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 #: 24S

AnalyDueDate: 06/09/2008 W05383

Sep1 DT/Tm Tech:

Batch: 8127547 WATER pCi/L
SEQ Batch, Test: None

PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

Prep Tech: ,HarrisD | Bock J.

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KL06A-1-AA J8D240362-2-SAMP 04/24/2008 10:30		166.60g,in AmtRec: VIAL20,500MLP,4XLP #Containers: 6		1.5	42.7	50	11B	~~0926~~ 1003	6/7/08 M	
2 KL062-1-AA J8D240362-3-SAMP 04/24/2008 09:37		156.40g,in AmtRec: VIAL20,2X500MLP,4XLP #Containers: 7			40.5	100	11A	1205	6/7/08 M	
3 KL07D-1-AC J8D240367-1-SAMP 04/24/2008 10:34		199.90g,in AmtRec: VIAL20,2XLP #Containers: 3			11.9	50	11C	~~0926~~ 1003	6/7/08 M	
4 KL07G-1-AC J8D240367-2-SAMP 04/24/2008 11:20		185.30g,in AmtRec: VIAL20,2XLP #Containers: 3			35.7		11D			
5 KL07K-1-AC J8D240367-3-SAMP 04/24/2008 09:34		172.50g,in AmtRec: VIAL20,2XLP #Containers: 3			43.2		10A			
6 KL07N-1-AC J8D240367-4-SAMP 04/24/2008 12:05		166.70g,in AmtRec: VIAL20,2XLP #Containers: 3			34.1		10B			
7 KL6JP-1-AA J8D280196-1-SAMP 04/28/2008 13:51		166.50g,in AmtRec: VIAL20,500MLP,4XLP #Containers: 6			35.3		10C			

	Scr:	Alpha: 6.51E-04 uCi/Sa	Beta: 1.77E-03 uCi/Sa	
	Scr:	Alpha: 2.25E-07 uCi/Sa	Beta: 8.14E-07 uCi/Sa	
	Scr:	Alpha: -2.97E-04 uCi/Sa	Beta: 1.49E-04 uCi/Sa	
	Scr:	Alpha: 2.50E-04 uCi/Sa	Beta: 1.27E-04 uCi/Sa	
	Scr:	Alpha: 3.45E-04 uCi/Sa	Beta: -7.17E-05 uCi/Sa	
	Scr:	Alpha: 1.79E-04 uCi/Sa	Beta: 2.15E-04 uCi/Sa	
	Scr:	Alpha: 4.58E-04 uCi/Sa	Beta: -9.94E-05 uCi/Sa	

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TESTAMERICA

5/22/2008 1:56:32 PM

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: 8127547 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 KL6KQ-1-AC J8D280197-1-SAMP 04/28/2008 11:50	AmtRec: VIAL20,5XLP,2X4LP #Containers: 8	192.30g,in		1.5	32.1	50	1LD	1103	6/9/08 mc	Scr: Alpha: 6.67E-04 uCi/Sa Beta: -6.60E-04 uCi/Sa
9 KMCD3-1-AA J8D300360-1-SAMP 04/30/2008 13:21	AmtRec: VIAL20,500MLP,4XLP #Containers: 6	200.10g,in			39.3		1LE			Scr: Alpha: 8.78E-05 uCi/Sa Beta: -3.78E-04 uCi/Sa
10 KMEM0-1-AA J8E010279-1-SAMP 04/29/2008 08:00	AmtRec: 20ML,LP #Containers: 2	200.30g,in			0.5		1LF			Scr: Alpha: -1.21E-04 uCi/Sa Beta: 3.75E-05 uCi/Sa
11 KMEM0-1-AD-X J8E010279-1-DUP 04/29/2008 08:00	AmtRec: 20ML,LP #Containers: 2	200.20g,in			0.4		1LA	1115	6/9/08 mc	Scr: Alpha: -1.21E-04 uCi/Sa Beta: 3.75E-05 uCi/Sa
12 KMEM1-1-AA J8E010279-2-SAMP 04/29/2008 14:11	AmtRec: 20ML,LP #Containers: 2	108.60g,in			46.7	100	1LB	1205	6/9/08 mc	Scr: Alpha: 2.86E-04 uCi/Sa Beta: -1.17E-04 uCi/Sa
13 KMMRX-1-AA-B J8E060000-547-BLK 04/29/2008 08:00	AmtRec: #Containers: 1	200.40g,in			0.5		1LC			Scr: Alpha: Beta:
14 KMMRX-1-AC-C J8E060000-547-LCS 04/29/2008 08:00	AmtRec: #Containers: 1	200.20g,in	ASD4474 05/01/08,pd 06/01/01 r		0.4		1LD			Scr: Alpha: Beta:

TAL Richland Key: In - Initial Amt, fi - Final Amt, di - Diluted Amt, s1 - Sep1, s2 - Sep2 Page 2 ISV - Insufficient Volume for Analysis WO Cnt: 14
Richland Wa. pd - Prep Dt, r - Reference Dt, ec-Enrichment Cell, ct-Cocktailed Added Prep_SamplePrep v4.8.32

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TESTAMERICA

5/22/2008 1:56:33 PM

Sample Preparation/Analysis

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

Balance Id:1120482733

Pipet #: _____

AnalyDueDate: 06/09/2008

Sep1 DT/Tm Tech:

Batch: 8127547 pCi/L

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:

Comments: pH<2.0. Aliquots reduced due to ct screens DLH 5/22/08

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

KL06A1AA-SAMP Constituent List:

ALPHA	RDL:3	pCi/L	LCL:	UCL:	RPD:
KMMRX1AA-BLK:					
ALPHA	RDL:3	pCi/L	LCL:	UCL:	RPD:
KMMRX1AC-LCS:					
Am-241	RDL:	pCi/L	LCL:70	UCL:130	RPD:20

KL06A1AA-SAMP Calc Info:

Uncert Level (#s).: 2	Decay to SaDt: Y	Blk Subt.: N	Sci.Not.: Y	ODRs: B
KMMRX1AA-BLK:				
Uncert Level (#s).: 2	Decay to SaDt: Y	Blk Subt.: N	Sci.Not.: Y	ODRs: B
KMMRX1AC-LCS:				
Uncert Level (#s).: 2	Decay to SaDt: Y	Blk Subt.: N	Sci.Not.: Y	ODRs: B

Approved By _____ Date: _____

6/4/2008 11:18:04 AM

ICOC Fraction Transfer/Status Report

ByDate: 6/5/2007, 6/9/2008, Batch: '8127547', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus		Accepting		Comments
8127547						
AC		**Rev1C**	**HarrisD**	5/22/2008 1:52:52 PM		
SC			wagarr	IsBatched	5/6/2008 3:58:28 PM	ICOC_RADCALC v4.8.32
SC			HarrisD	InPrep	5/22/2008 1:52:52 PM	RICH-RC-5014 Revision 7
SC			HarrisD	Prep1C	5/22/2008 1:56:34 PM	RICH-RC-5014 REVISION 7
SC			BockJ	InPrep2	5/30/2008 8:15:00 AM	RICH-RC-5014 REVISION 7
SC			BockJ	Prep2C	6/2/2008 5:59:33 PM	RICH-RC-5014 REVISION 7
SC			DAWKINSO	InCnt1	6/2/2008 6:15:32 PM	RICH-RD-0003 REVISION 5
SC			ClarkR	CalcC	6/3/2008 12:51:02 PM	RICH-RD-0003 REVISION 5
SC			nortonj	Rev1C	6/4/2008 11:17:55 AM	RICH-RC-0002 REV 8
AC			**HarrisD**	5/22/2008 1:56:34 PM		
AC			**BockJ**	5/30/2008 8:15:00		
AC			**BockJ**	6/2/2008 5:59:33 PM		
AC			**DAWKINSO**	6/2/2008 6:15:32 PM		
AC			**ClarkR**	6/3/2008 12:51:02 PM		
AC			**nortonj**	6/4/2008 11:17:55		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 7

ICOCFractions v4.8.33

TESTAMERICA

5/22/2008 2:31:12 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AnalyDueDate: 06/09/2008 WO5383

Batch: 8127548 **WATER** **pCi/L**
SEQ Batch, Test: None

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 ,Beck J.

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Dish Size	Ppt or Geometry	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
1 KL06A-1-AC J8D240362-2-SAMP 04/24/2008 10:30	AmtRec: VIAL20,500MLP,4XLP #Containers: 6	199.90g,in		1.5	114.9	100	26D	1439	6/2/08 ao	Scr: Alpha: 6.51E-04 uCi/Sa Beta: 1.77E-03 uCi/Sa
2 KL062-1-AC J8D240362-3-SAMP 04/24/2008 09:37	AmtRec: VIAL20,2X500MLP,4XLP #Containers: 7	200.10g,in			109.3		31A			Scr: Alpha: 2.25E-07 uCi/Sa Beta: 8.14E-07 uCi/Sa
3 KL07D-1-AD J8D240367-1-SAMP 04/24/2008 10:34	AmtRec: VIAL20,2XLP #Containers: 3	199.90g,in			38.7		31B			Scr: Alpha: 2.97E-04 uCi/Sa Beta: 1.49E-04 uCi/Sa
4 KL07G-1-AD J8D240367-2-SAMP 04/24/2008 11:20	AmtRec: VIAL20,2XLP #Containers: 3	200.30g,in			83.8		31D			Scr: Alpha: 2.50E-04 uCi/Sa Beta: 1.27E-04 uCi/Sa
5 KL07K-1-AD J8D240367-3-SAMP 04/24/2008 09:34	AmtRec: VIAL20,2XLP #Containers: 3	200.30g,in			100.7		26A	2042		Scr: Alpha: 3.45E-04 uCi/Sa Beta: -7.17E-05 uCi/Sa
6 KL07N-1-AD J8D240367-4-SAMP 04/24/2008 12:05	AmtRec: VIAL20,2XLP #Containers: 3	200.50g,in			84.5		26B			Scr: Alpha: 1.79E-04 uCi/Sa Beta: 2.15E-04 uCi/Sa
7 KL6JP-1-AC J8D280196-1-SAMP 04/28/2008 13:51	AmtRec: VIAL20,500MLP,4XLP #Containers: 6	200.20g,in			83.5		26C			Scr: Alpha: 4.58E-04 uCi/Sa Beta: -9.94E-05 uCi/Sa

TESTAMERICA

5/22/2008 2:31:14 PM

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: 8127548 **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 KL6KQ-1-AD J8D280197-1-SAMP 04/28/2008 11:50	AmtRec: VIAL20,5XLP,2X4LP #Containers: 8	200.10g,in		1.5	66.9	100	26D	2042	6/3/08 SOD	Scr: Alpha: 6.67E-04 uCi/Sa Beta: -6.60E-04 uCi/Sa
9 KL8MM-1-AA J8D290322-1-SAMP 04/29/2008 09:31	AmtRec: 20ML,LP #Containers: 2	200.50g,in			36.4		27A			Scr: Alpha: 3.76E-04 uCi/Sa Beta: 1.15E-04 uCi/Sa
10 KMCD3-1-AC J8D300360-1-SAMP 04/30/2008 13:21	AmtRec: VIAL20,500MLP,4XLP #Containers: 6	200.10g,in			80.6		27B			Scr: Alpha: 8.78E-05 uCi/Sa Beta: -3.78E-04 uCi/Sa
11 KMEM0-1-AC J8E010279-1-SAMP 04/29/2008 08:00	AmtRec: 20ML,LP #Containers: 2	200.20g,in			0.4		27D			Scr: Alpha: 1.21E-04 uCi/Sa Beta: 3.75E-05 uCi/Sa
12 KMEM1-1-AC J8E010279-2-SAMP 04/29/2008 14:11	AmtRec: 20ML,LP #Containers: 2	122.00g,in			126.9		32A			Scr: Alpha: 2.86E-04 uCi/Sa Beta: -1.17E-04 uCi/Sa
13 KMEM1-1-AD-X J8E010279-2-DUP 04/29/2008 14:11	AmtRec: 20ML,LP #Containers: 2	122.00g,in			128.7		32B			Scr: Alpha: 2.86E-04 uCi/Sa Beta: -1.17E-04 uCi/Sa
14 KMMR1-1-AA-B J8E060000-548-BLK 04/29/2008 14:11	AmtRec: #Containers: 1	200.50g,in			0.3		32C			Scr: Alpha: Beta:

TESTAMERICA

5/22/2008 2:31:15 PM

Sample Preparation/Analysis

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

Balance Id:1120482733
Pipet #:

AnalyDueDate: 06/09/2008

Sep1 DT/Tm Tech:

Batch: 8127548 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:
15 KMMR1-1-AC-C		200.30g,in	BESB3250			100	28D	2042	6/3/08 CD	
J8E060000-548-LCS			04/17/08,pd	1.5	0.5					
04/29/2008 14:11		AmtRec:	#Containers: 1				Scr:	Alpha:		Beta:

Comments: Pt(2)U. Aliquots reduced due to wt screens DLH 5/22/08

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

KL06A1AC-SAMP Constituent List:
BETA RDL:4 pCi/L LCL: UCL: RPD:
KMMR11AA-BLK:
BETA RDL:4 pCi/L LCL: UCL: RPD:
KMMR11AC-LCS:
Sr-90 RDL: pCi/L LCL:70 UCL:130 RPD:20

KL06A1AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMR11AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMR11AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

6/4/2008 10:51:27 AM

ICOC Fraction Transfer/Status Report

ByDate: 6/5/2007, 6/9/2008, Batch: '8127548', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127548						
AC		**Rev1C**	**HarrisD**	5/22/2008 1:19:30 PM		
SC			wagarr	IsBatched	5/6/2008 3:58:28 PM	ICOC_RADCALC v4.8.32
SC			HarrisD	InPrep	5/22/2008 1:19:30 PM	RICH-RC-5014 Revision 7
SC			HarrisD	Prep1C	5/22/2008 2:31:17 PM	RICH-RC-5014 REVISION 7
SC			BockJ	InPrep2	5/30/2008 8:15:06 AM	RICH-RC-5014 REVISION 7
SC			ClarkR	InCnt1	6/3/2008 2:38:43 PM	RICH-RD-0003 REVISION 5
SC			BockJ	Prep2C	6/3/2008 3:20:39 PM	RICH-RC-5014 REVISION 7
SC			DAWKINSO	CalcC	6/3/2008 9:36:53 PM	RICH-RD-0003 REVISION 5
SC			nortonj	Rev1C	6/4/2008 10:51:17 AM	RICH-RC-0002 REV 8
AC			**HarrisD**	5/22/2008 2:31:17 PM		
AC			**BockJ**	5/30/2008 8:15:06		
AC			**ClarkR**	6/3/2008 2:38:43 PM		
AC			**BockJ**	6/3/2008 3:20:39 PM		
AC			**DAWKINSO**	6/3/2008 9:36:53 PM		
AC			**nortonj**	6/4/2008 10:51:17		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Page 1

Grp Rec Cnt: 7

ICOCFractions v4.8.33

TESTAMERICA

6/2/2008 12:37:35 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:
Pipet #:

AnalyDueDate: 06/06/2008

Batch: 8127554 WATER pCi/L PM, Quote: SS , 57671

SEQ Batch, Test: None All Tests: 8127549 FPS5, 8127554 CLTL, 8127557 5SS3, 8127559 ARS6,

Sep1 DT/Tm Tech: 05/21/2008 15:15,ManisD
Sep2 DT/Tm Tech: 06/02/2008 08:51,ManisD
Prep Tech: ,Barcotl

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 KLXAT-1-AD J8D240157-1-SAMP		1000.02g,in	SRTB16151 04/22/08,pd 05/22/07,r		1.0	22.9	100	2A 2A	0640 0740	6/3/08 6/4/08 MC	
						~~05/21/2008 15:15,s1, 06/02/2008~~					
04/23/2008 09:08		AmtRec: VIAL20,500MLP,6XLP		#Containers: 8				Scr:	Alpha: -8.38E-04 uCi/Sa		Beta: 7.71E-04 uCi/Sa
2 KLXA2-1-AD J8D240157-2-SAMP		1000.02g,in	SRTB16152 04/22/08,pd 05/22/07,r		1.0	22.5	100	2B 2B	0640 0740	6/3/08 6/4/08 MC	
						~~05/21/2008 15:15,s1, 06/02/2008~~					
04/23/2008 09:07		AmtRec: VIAL20,500MLP,6XLP		#Containers: 8				Scr:	Alpha: -5.95E-04 uCi/Sa		Beta: 9.14E-04 uCi/Sa
3 KLXA2-1-AG-X J8D240157-2-DUP		1000.03g,in	SRTB16153 04/22/08,pd 05/22/07,r		1.0	22.8	100	2C 2C	0640 0740	6/3/08 6/4/08 MC	
						~~05/21/2008 15:15,s1, 06/02/2008~~					
04/23/2008 09:07		AmtRec: VIAL20,500MLP,6XLP		#Containers: 8				Scr:	Alpha: -5.95E-04 uCi/Sa		Beta: 9.14E-04 uCi/Sa
4 KLXA3-1-AD J8D240157-3-SAMP		1000.01g,in	SRTB16154 04/22/08,pd 05/22/07,r		1.0	22.5	100	2D 2D	0640 0740	6/3/08 6/4/08 MC	
						~~05/21/2008 15:15,s1, 06/02/2008~~					
04/23/2008 11:21		AmtRec: VIAL20,500MLP,6XLP		#Containers: 8				Scr:	Alpha: 1.05E-03 uCi/Sa		Beta: -2.33E-04 uCi/Sa

TESTAMERICA

6/2/2008 12:37:35 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:
Pipet #: _____

AnalyDueDate: 06/06/2008

Batch: 8127554 WATER pCi/L PM, Quote: SS , 57671

SEQ Batch, Test: None

Sep1 DT/Tm Tech: 05/21/2008 15:15,ManisD
Sep2 DT/Tm Tech: 06/02/2008 08:51,ManisD
Prep Tech: ,Barcotl

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 KL6JP-1-AD		1000.00g,in	SRTB16191		1.0	21.8	100	3A	0600	6/3/08	
J8D280196-1-SAMP			05/14/08,pd 05/22/07 r					3A	0740	6/4/08	
						05/21/2008 15:15;s1, 06/02/2008					
04/28/2008 13:51		AmtRec: VIAL20,500MLP,4XLP	#Containers: 6					Scr:	Alpha: 4.58E-04 uCi/Sa	Beta: -9.94E-05 uCi/Sa	
6 KL6KQ-1-AF		1000.02g,in	SRTB16192		1.0	21.7	100	3B	0600	6/3/08	
J8D280197-1-SAMP			05/14/08,pd 05/22/07 r					3B	0740	6/4/08	
						05/21/2008 15:15;s1, 06/02/2008					
04/28/2008 11:50		AmtRec: VIAL20,5XLP,2X4LP	#Containers: 8					Scr:	Alpha: 5.67E-04 uCi/Sa	Beta: -6.60E-04 uCi/Sa	
7 KL6K8-1-AD		1000.04g,in	SRTB16193		1.0	22	100	3C	0600	6/3/08	
J8D280199-1-SAMP			05/14/08,pd 05/22/07 r					3C	0740	6/4/08	
						05/21/2008 15:15;s1, 06/02/2008					
04/28/2008 09:44		AmtRec: VIAL20,6XLP	#Containers: 7					Scr:	Alpha: -2.03E-04 uCi/Sa	Beta: -2.38E-04 uCi/Sa	
8 KL6LA-1-AD		1000.03g,in	SRTB16194		1.0	22.8	100	3D	0600	6/3/08	
J8D280199-2-SAMP			05/14/08,pd 05/22/07 r					3D	0740	6/4/08	
						05/21/2008 15:15;s1, 06/02/2008					
04/28/2008 09:14		AmtRec: VIAL20,6XLP	#Containers: 7					Scr:	Alpha: -2.73E-04 uCi/Sa	Beta: 4.24E-04 uCi/Sa	

TESTAMERICA

6/2/2008 12:37:36 PM

Sample Preparation/Analysis

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

AnalyDueDate: 06/06/2008

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

Balance Id:

Pipet #: _____

Sep1 DT/Tm Tech: 05/21/2008 15:15,ManisD

Sep2 DT/Tm Tech: 06/02/2008 08:51,ManisD

Prep Tech: ,Barcotl

Batch: 8127554 **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:
9 KL8MW-1-AC J8D290324-1-SAMP		260.01g,in	SRTB16197 05/14/08,pd 05/22/07,r		1.0	21.3	100	4A 4A	0900 0740	6/3/08 6/4/08	
						05/21/2008 15:15;s1; 06/02/2008					
04/29/2008 10:49		AmtRec: 20ML,3XLP,4LP	#Containers: 5					Scr:	Alpha: 2.34E-03 uCi/Sa	Beta: 4.82E-03 uCi/Sa 1.3E-01L	
10 KMMTF-1-AA-B J8E060000-554-BLK		1000.02g,in	SRTB16196 05/14/08,pd 05/22/07,r		1.0	20.4	100	4B 4B	0900 0740	6/3/08 6/4/08	
						05/21/2008 15:15;s1; 06/02/2008					
04/23/2008 09:07		AmtRec:	#Containers: 1					Scr:	Alpha:	Beta:	
11 KMMTF-1-AC-C J8E060000-554-LCS		1000.00g,in	SRSG1478 04/11/08,pd 05/22/07,r		1.0	21.7	100	4C 4C	0900 0740	6/3/08 6/4/08	
						05/21/2008 15:15;s1; 06/02/2008					
04/23/2008 09:07		AmtRec:	#Containers: 1					Scr:	Alpha:	Beta:	

Comments:

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

KLXAT1AD-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

TESTAMERICA

6/2/2008 12:37:36 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:

Pipet #: _____

AnalyDueDate: 06/06/2008

Sep1 DT/Tm Tech: 05/21/2008 15:15,ManisD

Batch: 8127554 pCi/L

Sep2 DT/Tm Tech: 06/02/2008 08:51,ManisD

SEQ Batch, Test: None

Prep Tech: ,Barcotl

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:

KMMTF1AA-BLK:
Sr-85 RDL: pCi/L LCL:20 UCL:105 RPD:20 Sr-90 RDL:2 pCi/L LCL: UCL: RPD:

KMMTF1AC-LCS:
Sr-85 RDL: pCi/L LCL:20 UCL:105 RPD:20 Sr-90 RDL:2 pCi/L LCL:70 UCL:130 RPD:20

KLXAT1AD-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMTF1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMTF1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

6/5/2008 9:22:22 AM

ICOC Fraction Transfer/Status Report

ByDate: 6/6/2007, 6/10/2008, Batch: '8127554', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127554						
AC		Rev1C	**Barcotl**	5/16/2008 11:04:57		
SC			wagarr	IsBatched	5/6/2008 3:58:29 PM	ICOC_RADCALC v4.8.32
SC			Barcotl	InPrep	5/16/2008 11:04:57 AM	RICH-RC-5016 REVISION 7
SC			Barcotl	Prep1C	5/16/2008 11:05:13 AM	RICH-RC-5016 REVISION 7
SC			ManisD	InSep1	5/19/2008 8:31:14 AM	RICH-RC-5006 REV 7
SC			McDowellD	Sep1C	5/21/2008 4:16:10 PM	RICH-RC-5006 REV 7
SC			DAWKINSO	InCnt1	5/21/2008 4:25:27 PM	RICH-RD-0007 REVISION 6
SC			BlackCL	Cnt1C	5/22/2008 9:33:58 AM	RICH-RD-0007 REVISION 6
SC			ManisD	Sep2C	6/2/2008 12:38:59 PM	RICH-RC-5071 REV 5
SC			ClarkR	InCnt1	6/2/2008 12:41:03 PM	RICH-RD-0003 REVISION 5
SC			ClarkR	CalcC	6/4/2008 10:11:14 AM	RICH-RD-0003 REVISION 5
SC			nortonj	Rev1C	6/5/2008 9:22:10 AM	RICH-RC-0002 REV 8
AC			**Barcotl**	5/16/2008 11:05:13		
AC			**ManisD**	5/19/2008 8:31:14		
AC			**McDowellD**	5/21/2008 4:16:10 PM		
AC			**DAWKINSO**	5/21/2008 4:25:27 PM		
AC			**BlackCL**	5/22/2008 9:33:58		
AC			**ManisD**	6/2/2008 12:38:59 PM		
AC			**ClarkR**	6/2/2008 12:41:03 PM		
AC			**ClarkR**	6/4/2008 10:11:14		
AC			**nortonj**	6/5/2008 9:22:10 AM		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 10

ICOCFractions v4.8.33

TESTAMERICA

6/2/2008 12:11:44 PM

Sample Preparation/Analysis

Balance Id:1120482733

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

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

Pipet #:

AnalyDueDate: 06/13/2008 WO 5383

Sep1 DT/Tm Tech:

Batch: 8127553 WATER pCi/L PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,LucasD | Back

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 KL8MW-1-AA J8D290324-1-SAMP 04/29/2008 10:49	AmtRec: 20ML,3XLP,4LP	2500.50g,in		#Containers: 5	100mcs	~~100mcs~~ 200 mcs 936-2-08	511	1239	6/4/08	Scr: Alpha: 2.34E-03 uCi/Sa Beta: 4.82E-03 uCi/Sa 1.3E-01L
2 KL8MW-1-AD-X J8D290324-1-DUP 04/29/2008 10:49	AmtRec: 20ML,3XLP,4LP	2500.80g,in		#Containers: 5			614	1239		Scr: Alpha: 2.34E-03 uCi/Sa Beta: 4.82E-03 uCi/Sa 1.3E-01L
3 KMMTD-1-AA-B J8E060000-553-BLK 04/29/2008 10:49	AmtRec:	2501.40g,in		#Containers: 1			67	1239		Scr: Alpha: Beta:
4 KMMTD-1-AC-C J8E060000-553-LCS 04/29/2008 10:49	AmtRec:	2500.00g,in	QCAG1472 04/23/08,pd 06/11/05 r	#Containers: 1			610	1240		Scr: Alpha: Beta:

Comments: Low Level. Should have been paired up at 2,000 mcs. OK by Tanya to continue procedure. JB 6-3-08

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

KL8MW1AA-SAMP Constituent List:

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

KMMTD1AA-BLK:

Co-60	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:	Cs-134	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:

6/2/2008 12:11:44 PM

Sample Preparation/Analysis

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

Balance Id:1120482733

Pipet #: _____

AnalyDueDate: 06/13/2008

Sep1 DT/Tm Tech:

Batch: 8127553 pCi/L

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

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:

Cs-137	RDL:6.00E+00	pCi/L	LCL:	UCL:	RPD:	Cs-137DA	RDL:6.00E+00	pCi/L	LCL:	UCL:	RPD:
Eu-154	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:	Eu-155	RDL:.00E+00	pCi/L	LCL:	UCL:	RPD:
K-40	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:	Sb-125	RDL:0.00E+00	pCi/L	LCL:	UCL:	RPD:
KMMTD1AC-LCS:											
Cs-137	RDL:15	pCi/L	LCL:70	UCL:130	RPD:20	Cs-137DA	RDL:15	pCi/L	LCL:70	UCL:130	RPD:20
K-40	RDL:6	pCi/L	LCL:70	UCL:130	RPD:20	Ra-226	RDL:--	pCi/L	LCL:70	UCL:130	RPD:20
RA-228	RDL:--	pCi/L	LCL:70	UCL:130	RPD:20	RA-228DA	RDL:--	pCi/L	LCL:70	UCL:130	RPD:20
U-238	RDL:--	pCi/L	LCL:70	UCL:130	RPD:20						

KL8MW1AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMTD1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMTD1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

6/5/2008 9:06:52 AM

ICOC Fraction Transfer/Status Report

ByDate: 6/6/2007, 6/10/2008, Batch: '8127553', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127553						
AC		Rev1C	LucasD	6/2/2008 11:42:27		
SC			wagarr	IsBatched	5/6/2008 3:58:29 PM	ICOC_RADCALC v4.8.32
SC			LucasD	InPrep	6/2/2008 11:42:27 AM	RICH-RC-5015 Revision 6
SC			BockJ	InPrep2	6/2/2008 2:36:15 PM	RICH-RC-5017 REVISION 6
SC			BockJ	Prep2C	6/4/2008 9:15:21 AM	RICH-RC-5017 REVISION 6
SC			BlackCL	CalcC	6/4/2008 9:17:32 AM	RICH-RD-0007 REVISION 6
SC			ClarkR	CalcC	6/4/2008 12:50:22 PM	RICH-RD-0007 REVISION 6
SC			nortonj	Rev1C	6/5/2008 9:06:46 AM	RICH-RC-0002 REV 8
AC			BockJ	6/2/2008 2:36:15 PM		
AC			BockJ	6/4/2008 8:59:20 AM		
AC			BockJ	6/4/2008 9:15:21 AM		
AC			BlackCL	6/4/2008 9:17:32 AM		
AC			ClarkR	6/4/2008 12:50:22 PM		
AC			nortonj	6/5/2008 9:06:46 AM		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 7

ICOCFractions v4.8.33

TESTAMERICA

5/20/2008 11:34:23 AM

Sample Preparation/Analysis

Balance Id:1120482733

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

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

Pipet #:

AnalyDueDate: 06/12/2008 1005383

Sep1 DT/Tm Tech:

Batch: 8127555 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:
1 KL6KQ-1-AE J8D280197-1-SAMP 04/28/2008 11:50		3892.50g,in AmtRec: VIAL20,5XLP,2X4LP #Containers: 8	ITA7210 05/01/08		41.3	100	L5	1839	5/23/08	Scr: Alpha: 6.67E-04 uCi/Sa Beta: -6.60E-04 uCi/Sa
2 KL6KQ-1-AG-X J8D280197-1-DUP 04/28/2008 11:50		3903.50g,in AmtRec: VIAL20,5XLP,2X4LP #Containers: 8	ITA7209 05/01/08		35.6		L4	2023		Scr: Alpha: 6.67E-04 uCi/Sa Beta: -6.60E-04 uCi/Sa
3 KMMTM-1-AA-B J8E060000-555-BLK 04/28/2008 11:50		3845.90g,in AmtRec: #Containers: 1	ITA7208 05/01/08		34.6		L5	2023		Scr: Alpha: Beta:
4 KMMTM-1-AC-C J8E060000-555-LCS 04/28/2008 11:50		3854.50g,in AmtRec: #Containers: 1	ISD0846 04/22/08		37.7		L4	2207		Scr: Alpha: Beta:

Comments: DLH 5/20/08

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

KL6KQ1AE-SAMP Constituent List:

I-129	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:
KMMTM1AA-BLK:					
I-129	RDL:1.00E+00	pCi/L	LCL:	UCL:	RPD:
KMMTM1AC-LCS:					
I-129	RDL:5	pCi/L	LCL:70	UCL:130	RPD:20

KL6KQ1AE-SAMP Calc Info:

TESTAMERICA

5/20/2008 11:34:24 AM

Sample Preparation/Analysis

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

Balance Id:1120482733

Pipet #: _____

AnalyDueDate: 06/12/2008

Sep1 DT/Tm Tech:

Batch: 8127555 pCi/L

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:

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

KMMTM1AA-BLK:

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

KMMTM1AC-LCS:

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

Approved By _____ Date: _____

5/28/2008 10:37:14 AM

ICOC Fraction Transfer/Status Report

ByDate: 5/29/2007, 6/2/2008, Batch: '8127555', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127555						
AC		**Rev1C**	**HarrisD**	5/20/2008 11:28:44		
SC			wagarr	IsBatched	5/6/2008 3:58:29 PM	ICOC_RADCALC v4.8.32
SC			HarrisD	InPrep	5/20/2008 11:28:44 AM	RICH-RC-5017 Revision 6
SC			HarrisD	Prep1C	5/20/2008 11:34:26 AM	RICH-RC-5017 REVISION 6
SC			BostedD	Prep2C	5/22/2008 3:19:43 PM	RICHRC5025 REVISION 4
SC			DAWKINSO	InCnt1	5/22/2008 3:30:58 PM	RICH-RD-0007 REVISION 6
SC			BlackCL	CalcC	5/24/2008 6:15:51 AM	RICH-RD-0007 REVISION 6
SC			nortonj	Rev1C	5/28/2008 10:37:10 AM	RICH-RC-0002 REV 8
AC			**HarrisD**	5/20/2008 11:34:26		
AC			**BostedD**	5/22/2008 3:19:43 PM		
AC			**DAWKINSO**	5/22/2008 3:30:58 PM		
AC			**BlackCL**	5/24/2008 6:15:51		
AC			**nortonj**	5/28/2008 10:37:10		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 6

ICOCFractions v4.8.33

TESTAMERICA

5/7/2008 7:57:57 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: 06/06/2008

Sep1 DT/Tm Tech:

Batch: 8127549 WATER pCi/L PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

SEQ Batch, Test: None All Tests: 8127549 FPS5, 8127554 CLTL, 8127557 5SS3, 8127559 ARS6,

Prep Tech: ,Barcotl

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 KLXAT-1-AE J8D240157-1-SAMP 04/23/2008 09:08			125.02g,in AmtRec: VIAL20,500MLP,6XLP	125.02g #Containers: 8				Scr:	Alpha: -8.38E-04 uCi/Sa	Beta: 7.71E-04 uCi/Sa
2 KLXA2-1-AE J8D240157-2-SAMP 04/23/2008 09:07			125.02g,in AmtRec: VIAL20,500MLP,6XLP	125.02g #Containers: 8				Scr:	Alpha: -5.95E-04 uCi/Sa	Beta: 9.14E-04 uCi/Sa
3 KLXA2-1-AF-X J8D240157-2-DUP 04/23/2008 09:07			125.02g,in AmtRec: VIAL20,500MLP,6XLP	125.02g #Containers: 8				Scr:	Alpha: -5.95E-04 uCi/Sa	Beta: 9.14E-04 uCi/Sa
4 KLXA3-1-AE J8D240157-3-SAMP 04/23/2008 11:21			125.02g,in AmtRec: VIAL20,500MLP,6XLP	125.02g #Containers: 8				Scr:	Alpha: 1.05E-03 uCi/Sa	Beta: -2.33E-04 uCi/Sa
5 KLXA3-1-AF-S J8D240157-3-MS 04/23/2008 11:21			125.00g,in AmtRec: VIAL20,500MLP,6XLP	125.00g #Containers: 8	TCSG2028 04/22/08,pd 01/10/06,r			Scr:	Alpha: 1.05E-03 uCi/Sa	Beta: -2.33E-04 uCi/Sa
6 KL062-1-AD J8D240362-3-SAMP 04/24/2008 09:37			125.02g,in AmtRec: VIAL20,2X500MLP,4XLP	125.02g #Containers: 7				Scr:	Alpha: 2.25E-07 uCi/Sa	Beta: 8.14E-07 uCi/Sa
7 KMMR4-1-AA-B J8E060000-549-BLK 04/23/2008 09:07			125.01g,in AmtRec:	125.01g #Containers: 1				Scr:	Alpha:	Beta:

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TESTAMERICA

5/7/2008 7:57:58 AM

Sample Preparation/Analysis

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

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

AnalyDueDate: 06/06/2008

Batch: 8127549 pCi/L
SEQ Batch, Test: None

Work Order, Lot, Sample Date	Total Amt /Unit	Total Acidified/Unit	Initial Aliquot Amt/Unit	Adj Aliq Amt (Un-Acidified)	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 KMMR4-1-AC-C J8E060000-549-LCS 04/23/2008 09:07		AmtRec:	125.01g,in	125.01g #Containers: 1	TCSE2232 04/11/08,pd 01/10/06,r	60		Scr:	Alpha:	Beta:
9 KMMR4-1-AD-BN J8E060000-549-IBLK 04/23/2008 09:07		AmtRec:		#Containers: 1				Scr:	Alpha:	Beta:

Comments:

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

KLXAT1AE-SAMP Constituent List:
Tc-99 RDL:15 pCi/L LCL:70 UCL:130 RPD:20
KLXA31AF-MS:

KMMR41AA-BLK:
Tc-99 RDL:15 pCi/L LCL: UCL: RPD:
KMMR41AC-LCS:
Tc-99 RDL:15 pCi/L LCL:70 UCL:130 RPD:20
KMMR41AD-IBLK:
Tc-99 RDL:15 pCi/L LCL: UCL: RPD:

KLXAT1AE-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KLXA31AF-MS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMR41AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMR41AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMR41AD-IBLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

TESTAMERICA

5/7/2008 7:57:58 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: 06/06/2008

Batch: 8127549 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: _____

5/20/2008 9:41:13 AM

ICOC Fraction Transfer/Status Report

ByDate: 5/21/2007, 5/25/2008, Batch: '8127549', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127549						
AC		**Rev1C**	**Barcotl**	5/7/2008 8:02:30 AM		
SC			wagarr	IsBatched	5/6/2008 3:58:28 PM	ICOC_RADCALC v4.8.32
SC			Barcotl	InPrep	5/7/2008 8:02:30 AM	RICH-RC-5016 REVISION 7
SC			Barcotl	Prep1C	5/7/2008 8:02:43 AM	RICH-RC-5016 REVISION 7
SC			AshworthA	Sep2C	5/14/2008 6:18:00 PM	RICH-RC-5065 REV 6
SC			DAWKINSO	InCnt1	5/14/2008 6:55:04 PM	RICH-RD-0001 REVISION 4
SC			BlackCL	CalcC	5/15/2008 11:23:58 AM	RICH-RD-0001 REVISION 4
SC			nortonj	Rev1C	5/20/2008 9:41:04 AM	RICH-RC-0002 REV 8
AC			**Barcotl**	5/7/2008 8:02:43 AM		
AC			**AshworthA**	5/14/2008 6:18:00 PM		
AC			**DAWKINSO**	5/14/2008 6:55:04 PM		
AC			**BlackCL**	5/15/2008 11:23:58		
AC			**nortonj**	5/20/2008 9:41:04		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt:6

ICOCFractions v4.8.33

TESTAMERICA

5/28/2008 11:30:00 AM

Sample Preparation/Analysis

Balance Id:1120373922

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

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

Pipet #: _____

AnalyDueDate: 06/13/2008

Sep1 DT/Tm Tech:

Batch: 8127550 WATER pCi/L PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,LucasD

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 KMCD3-1-AD J8D300360-1-SAMP 04/30/2008 13:21		125.66g,in AmtRec: VIAL20,500MLP,4XLP	#Containers: 6	60min		Scr:	Alpha: 8.78E-05 uCi/Sa	Beta: -3.78E-04 uCi/Sa
2 KMCD3-1-AF-S J8D300360-1-MS 04/30/2008 13:21		125.15g,in AmtRec: VIAL20,500MLP,4XLP	TCSG2057 05/20/08,pd 01/10/06,r #Containers: 6			Scr:	Alpha: 8.78E-05 uCi/Sa	Beta: -3.78E-04 uCi/Sa
3 KMCD3-1-AG-X J8D300360-1-DUP 04/30/2008 13:21		125.48g,in AmtRec: VIAL20,500MLP,4XLP	#Containers: 6			Scr:	Alpha: 8.78E-05 uCi/Sa	Beta: -3.78E-04 uCi/Sa
4 KMMR6-1-AA-B J8E060000-550-BLK 04/30/2008 13:21		125.17g,in AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
5 KMMR6-1-AC-C J8E060000-550-LCS 04/30/2008 13:21		125.18g,in AmtRec:	TCSE2216 02/18/08,pd 01/10/06,r #Containers: 1			Scr:	Alpha:	Beta:
6 KMMR6-1-AD-BN J8E060000-550-IBLK 04/30/2008 13:21		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

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TESTAMERICA

5/28/2008 11:30:02 AM

Sample Preparation/Analysis

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

Balance Id:

Pipet #:

AnalyDueDate: 06/13/2008

Sep1 DT/Tm Tech:

Batch: 8127550 pCi/L

SEQ Batch, Test: None

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:

Comments:

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

KMCD31AD-SAMP Constituent List:
Tc-99 RDL:1.50E+01 pCi/L LCL:70 UCL:130 RPD:20
KMCD31AF-MS Constituent List:

KMMR61AA-BLK:
Tc-99 RDL:1.50E+01 pCi/L LCL: UCL: RPD:
KMMR61AC-LCS:
Tc-99 RDL:15 pCi/L LCL:70 UCL:130 RPD:20
KMMR61AD-IBLK:
Tc-99 RDL:1.50E+01 pCi/L LCL: UCL: RPD:

KMCD31AD-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMCD31AF-MS Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMR61AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMR61AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMR61AD-IBLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

6/9/2008 7:25:48 AM

ICOC Fraction Transfer/Status Report

ByDate: 6/10/2007, 6/14/2008, Batch: '8127550', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127550						
AC		Rev1C	LucasD	5/28/2008 11:23:07		
SC			wagarr	IsBatched	5/6/2008 3:58:28 PM	ICOC_RADCALC v4.8.32
SC			LucasD	InPrep	5/28/2008 11:23:07 AM	RICH-RC-5016 Revision 7
SC			Barcotl	InPrep	6/4/2008 2:56:03 PM	RICH-RC-5078 REVISION 4
SC			Barcotl	Prep1C	6/4/2008 2:56:18 PM	RICH-RC-5078 REVISION 4
SC			DAWKINSO	InCnt1	6/4/2008 3:20:36 PM	RICH-RD-0001 REVISION 4
SC			BlackCL	CalcC	6/6/2008 7:22:44 AM	RICH-RD-0001 REVISION 4
SC			nortonj	Rev1C	6/9/2008 7:25:39 AM	RICH-RC-0002 REV 8
AC			Barcotl	6/4/2008 2:56:03 PM		
AC			Barcotl	6/4/2008 2:56:18 PM		
AC			DAWKINSO	6/4/2008 3:20:36 PM		
AC			BlackCL	6/6/2008 7:22:44 AM		
AC			nortonj	6/9/2008 7:25:39 AM		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 6

ICOCFractions v4.8.33

TESTAMERICA

5/6/2008 3:51:23 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: 06/06/2008 W05383

Batch: 8127559 WATER pCi/L PM, Quote: SS , 57671
SEQ Batch, Test: None

Balance Id: 102445
Pipet #:
Sep1 DT/Tm Tech: 5-15-08am
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 KLXAT-1-AA J8D240157-1-SAMP 04/23/2008 09:08		AmtRec: VIAL20,500MLP,6XLP	#Containers: 8			Scr:	Alpha: -8.38E-04 uCi/Sa	Beta: 7.71E-04 uCi/Sa
2 KLXA2-1-AA J8D240157-2-SAMP 04/23/2008 09:07		AmtRec: VIAL20,500MLP,6XLP	#Containers: 8			Scr:	Alpha: -5.95E-04 uCi/Sa	Beta: 9.14E-04 uCi/Sa
3 KLXA3-1-AA J8D240157-3-SAMP 04/23/2008 11:21		AmtRec: VIAL20,500MLP,6XLP	#Containers: 8			Scr:	Alpha: 1.05E-03 uCi/Sa	Beta: -2.33E-04 uCi/Sa
4 KL07D-1-AA J8D240367-1-SAMP 04/24/2008 10:34		AmtRec: VIAL20,2XLP	#Containers: 3			Scr:	Alpha: -2.97E-04 uCi/Sa	Beta: 1.49E-04 uCi/Sa
5 KL07D-1-AE-X J8D240367-1-DUP 04/24/2008 10:34		AmtRec: VIAL20,2XLP	#Containers: 3			Scr:	Alpha: -2.97E-04 uCi/Sa	Beta: 1.49E-04 uCi/Sa
6 KL07G-1-AA J8D240367-2-SAMP 04/24/2008 11:20		AmtRec: VIAL20,2XLP	#Containers: 3			Scr:	Alpha: 2.50E-04 uCi/Sa	Beta: 1.27E-04 uCi/Sa
7 KL07K-1-AA J8D240367-3-SAMP 04/24/2008 09:34		AmtRec: VIAL20,2XLP	#Containers: 3			Scr:	Alpha: 3.45E-04 uCi/Sa	Beta: -7.17E-05 uCi/Sa

TESTAMERICA

5/6/2008 3:51:24 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: 06/06/2008

Batch: 8127559 **WATER** **pCi/L** **PM, Quote: SS , 57671**
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:
8 KL07N-1-AA J8D240367-4-SAMP 04/24/2008 12:05	AmtRec: VIAL20,2XLP	#Containers: 3				Scr:	Alpha: 1.79E-04 uCi/Sa	Beta: 2.15E-04 uCi/Sa
9 KL6KQ-1-AA J8D280197-1-SAMP 04/28/2008 11:50	AmtRec: VIAL20,5XLP,2X4LP	#Containers: 8				Scr:	Alpha:	Beta:
10 KL6K8-1-AA J8D280199-1-SAMP 04/28/2008 09:44	AmtRec: VIAL20,6XLP	#Containers: 7				Scr:	Alpha:	Beta:
11 KL6LA-1-AA J8D280199-2-SAMP 04/28/2008 09:14	AmtRec: VIAL20,6XLP	#Containers: 7				Scr:	Alpha:	Beta:
12 KMMT3-1-AA-B J8E060000-559-BLK 04/24/2008 10:34	AmtRec:	#Containers: 1				Scr:	Alpha:	Beta:
13 KMMT3-1-AC-C J8E060000-559-LCS 04/24/2008 10:34	AmtRec:	#Containers: 1				Scr:	Alpha:	Beta:
14 KMMT3-1-AD-B J8E060000-559-BLK 04/24/2008 10:34	AmtRec:	#Containers: 1				Scr:	Alpha:	Beta:

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TESTAMERICA

5/6/2008 3:51:24 PM

Sample Preparation/Analysis

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

Balance Id: 12445
Pipet #:
Sep1 DT/Tm Tech: 5-15-08 DW
Sep2 DT/Tm Tech:
Prep Tech:

AnalyDueDate: 06/06/2008

Batch: 8127559 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:
15 KMMT3-1-AE-C								
J8E060000-559-LCS								
04/24/2008 10:34		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
16 KMMT3-1-AF-B								
J8E060000-559-BLK								
04/24/2008 10:34		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
17 KMMT3-1-AG-B								
J8E060000-559-BLK								
04/24/2008 10:34		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
18 KMMT3-1-AH-B								
J8E060000-559-BLK								
04/24/2008 10:34		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

Comments:

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

KLXAT1AA-SAMP Constituent List:
H-3 RDL:400 pCi/L LCL:70 UCL:130 RPD:20
KMMT31AA-BLK:

KMMT31AC-LCS:

KMMT31AD-BLK:

TESTAMERICA

5/6/2008 3:51:24 PM

Sample Preparation/Analysis

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

Balance Id: 12445
Pipet #:
Sep1 DT/Tm Tech: 5-15-08 am
Sep2 DT/Tm Tech:
Prep Tech:

AnalyDueDate: 06/06/2008

Batch: 8127559 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:

KMMT31AE-LCS:

KMMT31AF-BLK:

KMMT31AG-BLK:

KMMT31AH-BLK:

KLXAT1AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMT31AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMT31AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMT31AD-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMT31AE-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMT31AF-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMT31AG-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMT31AH-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

5/20/2008 9:35:38 AM

ICOC Fraction Transfer/Status Report

ByDate: 5/21/2007, 5/25/2008, Batch: '8127559', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127559						
AC		**Rev1C**	**McDowellD**	5/15/2008 3:10:38 PM		
SC			wagarr	IsBatched	5/6/2008 3:58:29 PM	ICOC_RADCALC v4.8.32
SC			McDowellD	InSep1	5/15/2008 3:10:38 PM	RICH-RC-5007 REVISION 6
SC			McDowellD	Sep1C	5/16/2008 3:40:58 PM	RICH-RC-5007 REVISION 6
SC			DAWKINSO	InCnt1	5/16/2008 4:10:18 PM	RICH-RD-0001 REVISION 4
SC			ClarkR	CalcC	5/19/2008 10:52:37 AM	RICH-RD-0001 REVISION 4
SC			nortonj	Rev1C	5/20/2008 9:35:26 AM	RICH-RC-0002 REV 8
AC			**McDowellD**	5/16/2008 3:40:58 PM		
AC			**DAWKINSO**	5/16/2008 4:10:18 PM		
AC			**ClarkR**	5/19/2008 10:52:37		
AC			**nortonj**	5/20/2008 9:35:26		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 5

ICOCFractions v4.8.33

TESTAMERICA

5/6/2008 3:51:22 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: 06/06/2008 W05383

Batch: 8127557 **WATER** **pCi/L** **PM, Quote: SS , 57671**
SEQ Batch, Test: None

Balance Id: 11A
Pipet #:
Sep1 DT/Tm Tech: 5-30 08 PM
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 KLXAT-1-AC J8D240157-1-SAMP 04/23/2008 09:08		AmtRec: VIAL20,500MLP,6XLP	#Containers: 8			Scr:	Alpha: -8.38E-04 uCi/Sa	Beta: 7.71E-04 uCi/Sa
2 KLXA2-1-AC J8D240157-2-SAMP 04/23/2008 09:07		AmtRec: VIAL20,500MLP,6XLP	#Containers: 8			Scr:	Alpha: -5.95E-04 uCi/Sa	Beta: 9.14E-04 uCi/Sa
3 KLXA3-1-AC J8D240157-3-SAMP 04/23/2008 11:21		AmtRec: VIAL20,500MLP,6XLP	#Containers: 8			Scr:	Alpha: 1.05E-03 uCi/Sa	Beta: -2.33E-04 uCi/Sa
4 KL6K8-1-AC J8D280199-1-SAMP 04/28/2008 09:44		AmtRec: VIAL20,6XLP	#Containers: 7			Scr:	Alpha:	Beta:
5 KL6K8-1-AE-X J8D280199-1-DUP 04/28/2008 09:44		AmtRec: VIAL20,6XLP	#Containers: 7			Scr:	Alpha:	Beta:
6 KL6LA-1-AC J8D280199-2-SAMP 04/28/2008 09:14		AmtRec: VIAL20,6XLP	#Containers: 7			Scr:	Alpha:	Beta:
7 KMMTP-1-AA-B J8E060000-557-BLK 04/28/2008 09:44		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

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TESTAMERICA

5/6/2008 3:51:22 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 [illegible]
Sep2 DT/Tm Tech:
Prep Tech:

AnalyDueDate: 06/06/2008

Batch: 8127557 pCi/L
SEQ Batch, Test: None

Work Order, Lot, Sample DateTime	Total Amt/Unit	Initial Aliquot Amt/Unit	QC Tracer Prep Date	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 KMMTP-1-AC-C								
J8E060000-557-LCS								
04/28/2008 09:44		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
9 KMMTP-1-AD-B								
J8E060000-557-BLK								
04/28/2008 09:44		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

Comments:

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

KLXAT1AC-SAMP Constituent List:
C-14 RDL:2.00E+02 pCi/L LCL:70 UCL:130 RPD:20
KMMTP1AA-BLK:

KMMTP1AC-LCS:

KMMTP1AD-BLK:

KLXAT1AC-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMTP1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMTP1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMTP1AD-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By _____ Date: _____

6/5/2008 12:54:29 PM

ICOC Fraction Transfer/Status Report

ByDate: 6/6/2007, 6/10/2008, Batch: '8127557', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127557						
AC		Rev1C	McDowellD	5/30/2008 8:39:56		
SC			wagarr	IsBatched	5/6/2008 3:58:29 PM	ICOC_RADCALC v4.8.32
SC			McDowellD	InSep1	5/30/2008 8:39:56 AM	RICH-RC-5022 REVISION 3
SC			McDowellD	Sep1C	6/3/2008 8:35:45 AM	RICH-RC-5022 REVISION 3
SC			ClarkR	CalcC	6/4/2008 10:50:23 AM	RICH-RD-0001 REVISION 4
SC			nortonj	Rev1C	6/5/2008 12:54:21 PM	RICH-RC-0002 REV 8
AC			McDowellD	6/3/2008 8:35:45 AM		
AC			ClarkR	6/4/2008 10:50:23		
AC			nortonj	6/5/2008 12:54:21 PM		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

Grp Rec Cnt: 4

ICOCFractions v4.8.33

TESTAMERICA

5/23/2008 3:12:25 PM

Sample Preparation/Analysis

Balance Id:1120482733

384868, Pacific Northwest National Laboratory ,
Pacific Northwest National Lab

DH UNat_Laser PrpRC5015
SS Total Uranium by KPA
5I CLIENT: HANFORD

Pipet #: _____

AnalyDueDate: 06/09/2008 W05383

Sep1 DT/Tm Tech:

Batch: 8127552 WATER ug/L

PM, Quote: SS , 57671

Sep2 DT/Tm Tech:

SEQ Batch, Test: None

Prep Tech: ,HarrisD | Back

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 KL06A-1-AE J8D240362-2-SAMP 04/24/2008 10:30		25.20g,in AmtRec: VIAL20,500MLP,4XLP	#Containers: 6			Scr:	Alpha: 6.51E-04 uCi/Sa	Beta: 1.77E-03 uCi/Sa
2 KL062-1-AF J8D240362-3-SAMP 04/24/2008 09:37		24.90g,in AmtRec: VIAL20,2X500MLP,4XLP	#Containers: 7			Scr:	Alpha: 2.25E-07 uCi/Sa	Beta: 8.14E-07 uCi/Sa
3 KL6JP-1-AE J8D280196-1-SAMP 04/28/2008 13:51		25.10g,in AmtRec: VIAL20,500MLP,4XLP	#Containers: 6			Scr:	Alpha: 4.58E-04 uCi/Sa	Beta: -9.94E-05 uCi/Sa
4 KL6JP-1-AF-S J8D280196-1-MS 04/28/2008 13:51		25.20g,in AmtRec: VIAL20,500MLP,4XLP	UNSF4211 05/22/08,pd 02/01/86,r #Containers: 6			Scr:	Alpha: 4.58E-04 uCi/Sa	Beta: -9.94E-05 uCi/Sa
5 KMCD3-1-AE J8D300360-1-SAMP 04/30/2008 13:21		25.10g,in AmtRec: VIAL20,500MLP,4XLP	#Containers: 6			Scr:	Alpha: 8.78E-05 uCi/Sa	Beta: -3.78E-04 uCi/Sa
6 KMCD3-1-AH-X J8D300360-1-DUP 04/30/2008 13:21		25.10g,in AmtRec: VIAL20,500MLP,4XLP	#Containers: 6			Scr:	Alpha: 8.78E-05 uCi/Sa	Beta: -3.78E-04 uCi/Sa
7 KMMR9-1-AA-B J8E060000-552-BLK 04/30/2008 13:21		25.00g,in AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

TESTAMERICA

5/23/2008 3:12:27 PM

Sample Preparation/Analysis

DH UNat_Laser PrpRC5015
SS Total Uranium by KPA
5I CLIENT: HANFORD

Balance Id:1120482733
Pipet #:

AnalyDueDate: 06/09/2008

Sep1 DT/Tm Tech:

Batch: 8127552 ug/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	Count Time Min	Detector Id	Count On | Off (24hr) Circle	CR Analyst, Init/Date	Comments:
8 KMMR9-1-AC-C J8E060000-552-LCS 04/30/2008 13:21	AmtRec:	24.90g,in	UNSF4212 05/22/08,pd 03/01/86 r #Containers: 1			Scr:	Alpha:	Beta:
9 KMMR9-1-AD-C J8E060000-552-LCS 04/30/2008 13:21	AmtRec:	25.30g,in	UNSC2279 03/26/08,pd 03/22/05 r #Containers: 1			Scr:	Alpha:	Beta:

Comments: pH2.0 OUT 5/23/08

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

KL06A1AE-SAMP Constituent List:
Uranium RDL:1.44E-01 ug/L LCL: UCL: RPD:
KL6JP1AF-MS:

KMMR91AA-BLK:
Uranium RDL:1.44E-01 ug/L LCL: UCL: RPD:
KMMR91AC-LCS:
Uranium RDL:0.144343 ug/L LCL:70 UCL:130 RPD:20
KMMR91AD-LCS:
Uranium RDL:0.144343 ug/L LCL:70 UCL:130 RPD:20

KL06A1AE-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KL6JP1AF-MS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMR91AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMR91AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KMMR91AD-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

TESTAMERICA

5/23/2008 3:12:27 PM

Sample Preparation/Analysis

DH UNat_Laser PrpRC5015
SS Total Uranium by KPA
5I CLIENT: HANFORD

Balance Id:1120482733

Pipet #:

Sep1 DT/Tm Tech:

Sep2 DT/Tm Tech:

Prep Tech: ,HarrisD

AnalyDueDate: 06/09/2008

Batch: 8127552 ug/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:

Approved By _____ Date: _____

6/4/2008 10:15:54 AM

ICOC Fraction Transfer/Status Report

ByDate: 6/5/2007, 6/9/2008, Batch: '8127552', User: *ALL Order By DateTimeAccepting

Q Batch	Work Ord	CurStatus	Accepting			Comments
8127552						
AC		**Rev1C**	**HarrisD**	5/23/2008 3:04:36 PM		
SC			wagarr	IsBatched	5/6/2008 3:58:29 PM	ICOC_RADCALC v4.8.32
SC			HarrisD	InPrep	5/23/2008 3:04:36 PM	RICH-RC-5014 Revision 7
SC			HarrisD	Prep1C	5/23/2008 3:12:27 PM	RICH-RC-5015 REVISION 6
SC			BockJ	InPrep2	5/29/2008 8:25:30 AM	RICH-RC-5015 REVISION 6
SC			BockJ	Prep2C	6/2/2008 12:46:15 PM	RICH-RC-5015 REVISION 6
SC			NelsonT	Cnt1C	6/3/2008 10:57:11 AM	RICH-RC-5058 REV 7
SC			nortonj	Rev1C	6/4/2008 10:15:46 AM	RICH-RC-0002 REV 8
AC			**HarrisD**	5/23/2008 3:12:27 PM		
AC			**BockJ**	5/29/2008 8:25:30		
AC			**BockJ**	6/2/2008 12:46:15 PM		
AC			**NelsonT**	6/3/2008 10:57:11		
AC			**nortonj**	6/4/2008 10:15:46		

AC: Accepting Entry; SC: Status Change

TAL Richland

Richland Wa.

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Grp Rec Cnt:6

ICOCFractions v4.8.33

TESTAMERICA

4/30/2008 8:22:08 AM

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

Balance Id:
Pipet #:

AnalyDueDate: 06/13/2008

Sep1 DT/Tm Tech:

Batch: 8120534 WATER mg/L
SEQ Batch, Test: None All Tests: 8120534 88EA.

PM, Quote: SS , 57671

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 KL8MA-1-AA J8D290320-1-SAMP 04/29/2008 13:26		AmtRec: 20ML,500G	#Containers: 2			Scr:	Alpha:	Beta:
2 KL8MA-1-AC-S J8D290320-1-MS 04/29/2008 13:26		AmtRec: 20ML,500G	#Containers: 2			Scr:	Alpha:	Beta:
3 KL8MA-1-AD-D J8D290320-1-MSD 04/29/2008 13:26		AmtRec: 20ML,500G	#Containers: 2			Scr:	Alpha:	Beta:
4 KL8MA-1-AE-X J8D290320-1-DUP 04/29/2008 13:26		AmtRec: 20ML,500G	#Containers: 2			Scr:	Alpha:	Beta:
5 KL8QH-1-AA-B J8D290000-534-BLK 04/29/2008 13:26		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:
6 KL8QH-1-AC-C J8D290000-534-LCS 04/29/2008 13:26		AmtRec:	#Containers: 1			Scr:	Alpha:	Beta:

TESTAMERICA

4/30/2008 8:22:10 AM

Sample Preparation/Analysis

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

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

AnalyDueDate: 06/13/2008

Batch: 8120534 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

KL8MA1AA-SAMP Constituent List:
HEXCHROME RDL:0.002 mg/L LCL:85 UCL:115 RPD:20
KL8MA1AC-MS Constituent List:
HEXCHROME RDL:0.002 mg/L LCL:85 UCL:115 RPD:20
KL8MA1AD-MSD:
HEXCHROME RDL:0.002 mg/L LCL:85 UCL:115 RPD:20
KL8QH1AA-BLK:
HEXCHROME RDL:0.002 mg/L LCL: UCL: RPD:
KL8QH1AC-LCS:
HEXCHROME RDL:0.002 mg/L LCL:85 UCL:115 RPD:20

KL8MA1AA-SAMP Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KL8MA1AC-MS Calc Info:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KL8MA1AD-MSD:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KL8QH1AA-BLK:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B
KL8QH1AC-LCS:
Uncert Level (#s).: 2 Decay to SaDt: Y Blk Subt.: N Sci.Not.: Y ODRs: B

Approved By Date: