TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

REVISED

PROJECT NO. ITA1329

MWH-Pasadena Boeing

Lot #: F0A200494

Joseph Doak

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817

TESTAMERICA LABORATORIES, INC.

Kay Clay
Project Manager

March 17, 2010

Case Narrative
LOT NUMBER: F0A200494
Revised 03-17-10

This report contains the analytical results for the sample received under chain of custody by TestAmerica St. Louis on January 20, 2010. This sample is associated with your MWH-Pasadena Boeing project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted below.

The test results in this report meet all NELAP requirements for parameters in which accreditations are held by TestAmerica St. Louis. Any exceptions to NELAP requirements are noted in the case narrative. **TestAmerica St. Louis' Florida certification number is E87689.** The case narrative is an integral part of this report.

This report shall not be reproduced, except in full, without the written approval of the laboratory.

All chemical analysis results are based upon sample as received, wet weight, unless noted otherwise. All radiochemistry results are based upon sample as dried and ground with the exception of tritium, unless requested wet weight by the client.

Report revised to report the KPA uranium results in pCi/L.

Observations/Nonconformances
Reference the chain of custody and condition upon receipt report for any variations on receipt conditions and temperature of samples on receipt.

Gross Alpha/Beta Method: 900.0 MOD

The gross alpha and beta matrix spike for the batch QC are outside lower control limits due to possible matrix interference. Method performance is demonstrated by acceptable LCS recovery. The results will be reported with this narrative.
Affected Sample:
F0A200494 (1): ITA1329-01

METHODS SUMMARY

F0A200494

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Gamma Spectroscopy - Cesium-137 & Hits	EPA 901.1 MOD	
Gross Alpha/Beta EPA 900	EPA 900.0 MOD	EPA 900.0
H-3 by Distillation & LSC	EPA 906.0 MOD	
Radium-226 by GFPC	EPA 903.0 MOD	
Radium-228 by GFPC	EPA 904 MOD	
Strontium 90 by GFPC	EPA 905 MOD	
Total Uranium By Laser Ph osphorimetry	ASTM 5174-91	

References:

ASTM Annual Book Of ASTM Standards.

EPA "EASTERN ENVIRONMENTAL RADIATION FACILITY RADIOCHEMISTRY PROCEDURES MANUAL" US EPA EPA 520/5-84-006 AUGUST 1984

SAMPLE SUMMARY

F0A200494

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LTE60	001	ITA1329-01	01/18/10	15:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Irvine

Client Sample ID: ITA1329-01

Radiochemistry

Lab Sample ID: F0A200494-001
Work Order: LTE60
Matrix: WATER

Date Collected: 01/18/10 1500
Date Received: 01/20/10 0915

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	RL	mdc	Prep Date	Analysis Date
Gamma Cs-137 & Hits by EPA 901.1 MOD				**pCi/L**		**Batch # 0021221**	**Yld %**
Cesium 137	-2.2	U	9.1	20.0	16	01/21/10	02/02/10
Potassium 40	-90	U	540		260	01/21/10	02/02/10
Gross Alpha/Beta EPA 900				**pCi/L**		**Batch # 0025415**	**Yld %**
Gross Alpha	**7.3**		1.8	3.0	**1.2**	**01/25/10**	**01/29/10**
Gross Beta	**9.0**		1.6	4.0	**1.6**	**01/25/10**	**01/29/10**
SR-90 BY GFPC EPA-905 MOD				**pCi/L**		**Batch # 0021257**	**Yld % 82**
Strontium 90	0.29	U	0.30	3.00	0.50	01/21/10	02/04/10
TRITIUM (Distill) by EPA 906.0 MOD				**pCi/L**		**Batch # 0028080**	**Yld %**
Tritium	64	U	88	500	140	01/28/10	01/29/10
Total Uranium by KPA ASTM 5174-91				**pCi/L**		**Batch # 0035029**	**Yld %**
Total Uranium	**0.455**	**J**	0.048	0.693	**0.21**	**02/04/10**	**02/08/10**
Radium 226 by EPA 903.0 MOD				**pCi/L**		**Batch # 0021255**	**Yld % 55**
Radium (226)	0.10	U	0.15	1.00	0.25	01/21/10	02/08/10
Radium 228 by GFPC EPA 904 MOD				**pCi/L**		**Batch # 0021256**	**Yld % 50**
Radium 228	0.40	U	0.41	1.00	0.67	01/21/10	02/08/10

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined by instrument performance only.
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

METHOD BLANK REPORT

Radiochemistry

Client Lot ID: F0A200494
Matrix: WATER

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	RL	MDC	Prep Date	Analysis Date	Lab Sample ID
Total Uranium by KPA ASTM 5174-91			pCi/L	Batch # 0035029	Yld %			F0B040000-029B
Total Uranium	-0.0623	U	0.0075	0.693	0.21	02/04/10	02/08/10	
Gamma Cs-137 & Hits by EPA 901.1 MOD			pCi/L	Batch # 0021221	Yld %			F0A210000-221B
Cesium 137	2.8	U	6.5	20.0	11	01/21/10	02/02/10	
Potassium 40	-100	U	120000		200	01/21/10	02/02/10	
Radium 226 by EPA 903.0 MOD			pCi/L	Batch # 0021255	Yld % 108			F0A210000-255B
Radium (226)	0.014	U	0.070	1.00	0.13	01/21/10	02/08/10	
Radium 228 by GFPC EPA 904 MOD			pCi/L	Batch # 0021256	Yld % 97			F0A210000-256B
Radium 228	-0.19	U	0.23	1.00	0.45	01/21/10	02/08/10	
SR-90 BY GFPC EPA-905 MOD			pCi/L	Batch # 0021257	Yld % 75			F0A210000-257B
Strontium 90	0.16	U	0.31	3.00	0.51	01/21/10	02/04/10	
Gross Alpha/Beta EPA 900			pCi/L	Batch # 0025415	Yld %			F0A250000-415B
Gross Alpha	-0.03	U	0.34	3.00	0.71	01/25/10	01/29/10	
Gross Beta	-0.26	U	0.86	4.00	1.5	01/25/10	01/29/10	
TRITIUM (Distill) by EPA 906.0 MOD			pCi/L	Batch # 0028080	Yld %			F0A280000-080B
Tritium	250	J	120	500	140	01/28/10	01/28/10	

NOTE(S)

Data are incomplete without the case narrative.

MDC is determined using instrument performance only
Bold results are greater than the MDC.

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

Laboratory Control Sample Report

Radiochemistry

Client Lot ID: F0A200494
Matrix: WATER

Parameter	Spike Amount	Result	Total Uncert. (2 σ+/-)	MDC	% Yld	% Rec	Lab Sample ID QC Control Limits
Gamma Cs-137 & Hits by EPA 901.1 MOD			**pCi/L**	**901.1 MOD**			**F0A210000-221C**
Americium 241	141000	139000	11000	500		99	(87 - 110)
Cesium 137	53100	52900	3000	200		100	(90 - 110)
Cobalt 60	87900	86100	4800	200		98	(89 - 110)
	Batch #:	0021221		Analysis Date:	02/02/10		
Gross Alpha/Beta EPA 900			**pCi/L**	**900.0 MOD**			**F0A250000-415C**
Gross Beta	68.1	73.4	6.2	1.6		108	(58 - 133)
	Batch #:	0025415		Analysis Date:	01/29/10		
Gross Alpha/Beta EPA 900			**pCi/L**	**900.0 MOD**			**F0A250000-415C**
Gross Alpha	49.4	45.4	5.0	0.9		92	(62 - 134)
	Batch #:	0025415		Analysis Date:	01/29/10		
TRITIUM (Distill) by EPA 906.0 MOD			**pCi/L**	**906.0 MOD**			**F0A280000-080C**
Tritium	4540	4680	480	140		103	(85 - 112)
	Batch #:	0028080		Analysis Date:	01/28/10		
Total Uranium by KPA ASTM 5174-91			**pCi/L**	**5174-91**			**F0B040000-029C**
Total Uranium	27.7	29.2	3.5	0.2		105	(90 - 120)
	Batch #:	0035029		Analysis Date:	02/08/10		
Total Uranium by KPA ASTM 5174-91			**pCi/L**	**5174-91**			**F0B040000-029C**
Total Uranium	5.54	5.67	0.59	0.21		102	(90 - 120)
	Batch #:	0035029		Analysis Date:	02/08/10		

NOTE(S)

MDC is determined by instrument performance only
Calculations are performed before rounding to avoid round-off error in calculated results

Laboratory Control Sample/LCS Duplicate Report

Radiochemistry

Client Lot ID: F0A200494
Matrix: WATER

Parameter		Spike Amount	Result		Total Uncert. (2 σ+/-)	% Yld	% Rec	QC Control Limits	Lab Sample ID Precision	
Radium 226 by EPA 903.0 MOD				**pCi/L**	**903.0 MOD**				**F0A210000-255C**	
Radium (226)		11.3	10.6		1.0	106	94	(68 - 136)		
	Spk 2	11.3	10.9		1.1	110	97	(68 - 136)	3	%RPD
		Batch #:	0021255			**Analysis Date:**		02/08/10		
Radium 228 by GFPC EPA 904 MOD				**pCi/L**	**904 MOD**				**F0A210000-256C**	
Radium 228		6.45	6.70		0.79	95	104	(60 - 142)		
	Spk 2	6.45	7.41		0.85	91	115	(60 - 142)	10	%RPD
		Batch #:	0021256			**Analysis Date:**		02/08/10		
SR-90 BY GFPC EPA-905 MOD				**pCi/L**	**905 MOD**				**F0A210000-257C**	
Strontium 90		6.81	7.62		0.87	76	112	(80 - 130)		
	Spk 2	6.81	6.42		0.74	88	94	(80 - 130)	17	%RPD
		Batch #:	0021257			**Analysis Date:**		02/04/10		

NOTE(S)

Calculations are performed before rounding to avoid round-off error in calculated results

MATRIX SPIKE REPORT

Radiochemistry

Client Lot Id: F0A200486
Matrix: WATER

Date Sampled: 01/18/10
Date Received: 01/20/10

Parameter	Spike Amount	Spike Result	Total Uncert. (2σ +/-)	Spike Yld.	Sample Result	Total Uncert. (2 σ +/-)	QC Sample ID %YLD	%REC		QC Control Limits
Gross Alpha/Beta EPA 900			**pCi/L**		**900.0 MOD**			**F0A200486-001**		
Gross Beta	68.1	10.0	1.6		0.83	0.99		14	a	(54 - 150)
	Batch #:	0025415		Analysis Date:		01/29/10				
Gross Alpha/Beta EPA 900			**pCi/L**		**900.0 MOD**			**F0A200486-001**		
Gross Alpha	49.4	6.9	1.6		0.98	0.70		12	a	(35 - 150)
	Batch #:	0025415		Analysis Date:		01/29/10				
TRITIUM (Distill) by EPA 906.0 MOD			**pCi/L**		**906.0 MOD**			**F0A200494-001**		
Tritium	4540	4350	460		64	88		94		(62 - 147)
	Batch #:	0028080		Analysis Date:		01/29/10				

NOTE(S)

Data are incomplete without the case narrative.

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE REPORT

Radiochemistry

Client Lot ID: F0A200486
Matrix: WATER

Date Sampled: 01/18/10 0730
Date Received: 01/20/10 0915

Parameter		Spike Amount	SPIKE Result	Total Uncert. (2 σ+/-)	Spike Yld	SAMPLE Result		Total Uncert. (2σ +/-)	QC Sample ID % Yld	%Rec	QC Control Limits
Total Uranium by KPA ASTM 5				**pCi/L**		**5174-91**				**F0A200486-001**	
Total Uranium		27.7	28.8	3.4		-0.0334	U	0.0040		104	(62 - 150)
	Spk2	27.7	29.2	3.5		-0.0334	U	0.0040		105	(62 - 150)
									Precision:	2	%RPD

Batch #: 0035029 **Analysis date:** 02/08/10

NOTE(S)

Data are incomplete without the case narrative.

Calculations are performed before rounding to avoid round-off error in calculated results

U - Result is less than the sample detection limit.

DUPLICATE EVALUATION REPORT

Radiochemistry

Client Lot ID: F0A200494
Matrix: WATER

Date Sampled: 01/18/10
Date Received: 01/20/10

Parameter	SAMPLE Result		Total Uncert. (2σ+/-)	% Yld	DUPLICATE Result		Total Uncert. (2 σ+/-)	% Yld	QC Sample ID Precision	
Gamma Cs-137 & Hits by EPA 901.1 MOD				**pCi/L**	**901.1 MOD**				**F0A200486-001**	
Cesium 137	1.9	U	7.7		0.1	U	9.4		172	%RPD
Potassium 40	-100	U	4100		-90	U	2700		13	%RPD
	Batch #:		0021221	(Sample)	0021221		(Duplicate)			
Gross Alpha/Beta EPA 900				**pCi/L**	**900.0 MOD**				**F0A200486-001**	
Gross Alpha	0.98	J	0.70		0.71	J	0.85		32	%RPD
Gross Beta	0.83	U	0.99		1.6	J	1.0		62	%RPD
	Batch #:		0025415	(Sample)	0025415		(Duplicate)			
TRITIUM (Distill) by EPA 906.0 MOD				**pCi/L**	**906.0 MOD**				**F0A200486-001**	
Tritium	99	U	94		-49	U	64		586	%RPD
	Batch #:		0028080	(Sample)	0028080		(Duplicate)			

NOTE(S)

Data are incomplete without the case narrative.
Calculations are performed before rounding to avoid round-off error in calculated results

J Result is greater than sample detection limit but less than stated reporting limit.
U Result is less than the sample detection limit.

cert 178

SUBCONTRACT ORDER
TestAmerica Irvine

ITA1329

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Joseph Doak
Client: MWH-Pasadena/Boeing

RECEIVING LABORATORY:

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone :(314) 298-8566
Fax: (314) 298-8757
Project Location: CA - CALIFORNIA
Receipt Temperature: _____ °C Ice: Y / N

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
Sample ID: ITA1329-01 (Outfall 001 (Grab) - Water)			Sampled: 01/18/10 15:00			
Gamma Spec-O	mg/kg	01/27/10	01/18/11 15:00	$250.00	0%	Out St. Louis, K-40 and CS-137 only/DO NOT Filter!
Gross Alpha-O	pCi/L	01/27/10	07/17/10 15:00	$100.00	50%	Out St Louis, Boeing permit, DO NOT FILTER!
Gross Beta-O	pCi/L	01/27/10	07/17/10 15:00	$100.00	50%	Out St Louis, Boeing permit, DO NOT FILTER!
Level 4 + EDD-OUT	N/A	01/27/10	02/15/10 15:00	$0.00	0%	**LEVEL IV QC, ACCESS 7 EDD**
Radium, Combined-O	pCi/L	01/27/10	01/18/11 15:00	$238.00	50%	Out St Louis, Boeing permit, DO NOT FILTER!
Strontium 90-O	pCi/L	01/27/10	01/18/11 15:00	$155.00	50%	Out St Louis, Boeing permit, DO NOT FILTER!
Tritium-O	pCi/L	01/27/10	01/18/11 15:00	$80.00	50%	Out St Louis, Boeing permit, DO NOT FILTER!
Uranium, Combined-O	pCi/L	01/27/10	01/18/11 15:00	$120.00	0%	Out St Louis, Boeing permit, DO NOT FILTER!

Containers Supplied:
2.5 gal Poly (AC) 500 mL Amber (AD)

Olga Arreola 1/19/10 17:00
Released By Date/Time

Fed Ex 1/19/10 17:00
Received By Date/Time

_____ _____
Released By Date/Time

[signature] 1/20/10 9:15
Received By Date/Time

Test America Version 6/29/09

CHAIN OF CUSTODY FORM

Client Name/Address:	Project:
MWH-Arcadia 618 Michillinda Ave, Suite 200 Arcadia, CA 91007 Test America Contact: Joseph Doak	Boeing-SSFL NPDES Quarterly Outfall 001 ~~COMPOSITE~~ GRAB
Project Manager: Bronwyn Kelly Sampler: Meghann Oneil / Emily Arfaro	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle #	Total Recoverable Metals: Cu, Pb, Hg, Cd, Se, Zn, Mn, Fe	TCDD (and all congeners)	BOD_5 (20 degrees C)	Surfactants (MBAS)	Cl, SO_4, NO_3+NO_2-N, Perchlorate	Nitrate-N, Nitrite-N	Turbidity, TDS, TSS	Ammonia-N (350.2)	Alpha BHC (608) + Pesticides + PP	2,4,6 TCP, 2,4 Dinitrotoluene, Bis(2-ethylhexyl)phthalate, NDMA, PCP (SVOCs 625)	Gross Alpha(900.0), Gross Beta(900.0), Tritium (H-3) (906.0), Sr-90 (905.0), Total Combined Radium 226 (903.0 or 903.1) & Radium 228 (904.0), Uranium (908.0), K-40, CS-137 (901.0 or 901.1)	Chronic Toxicity	Total Dissolved Metals: Cu, Pb, Hg, Cd, Se, Zn, Mn, Fe		Comments
Outfall 001	W	1L Poly	1	1/18/10 1500	HNO_3	[redacted]	X														24 TAT - Mn and Fe exceeded 2/15/09
Outfall 001 Dup	W	1L Poly	1		HNO_3	[redacted]	X														24 TAT
Outfall 001	W	1L Amber	2		None	[redacted]		X													
Outfall 001	W	1L Poly	1		None	[redacted]			X												
Outfall 001	W	500 mL Poly	2		None	[redacted]				X											
Outfall 001	W	500 mL Poly	2		None	[redacted]					X										24 TAT
Outfall 001	W	500 mL Poly	1		None	[redacted]						X									24 TAT
Outfall 001	W	500 mL Poly	2		None	[redacted]							X								
Outfall 001	W	500 mL Poly	1		H_2SO_4	[redacted]								X							
Outfall 001	W	1L Amber	2		None	[redacted]									X						
Outfall 001	W	1L Amber	2		None	[redacted]										X					
Outfall 001	W	2.5 Gal Cube	1		None	[redacted]											X				Unfiltered and unpreserved analysis
		500 mL Amber	1		None	[redacted]															
Outfall 001	W	1 Gal Cube	1		None	[redacted]												X			Only test if first and second rain event of the year
Outfall 001	W	1L Poly	1	✓	None	[redacted]													X		Filter w/in 24hrs of receipt at lab
									1/18/10												

ANALYSIS REQUIRED

C.O.C. 01/19/10 6:40

GRAB COC Page 1 of 2 lists the grab samples for Outfall 001 for this storm event.

These Samples are the ~~Composite~~ Portion of Outfall 001 for this storm event. Grab Samples are to be added to this work order.

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	1/18/10 16:a	[signature]	1-18-10 16:a
[signature]	1-18-10 19:a		
		[signature]	1/18/10 19:00

Turn-around time: (Check)
24 Hour: ____ 72 Hour: ____ 10 Day: ____
48 Hour: ____ 5 Day: ____ Normal: X

Sample Integrity: (Check)
Intact: ____ On Ice: X

Data Requirements: (Check)
No Level IV: ____ All Level IV: ____ NPDES Level IV: X

4.4

TestAmerica St. Louis

Test America Version 6/29/09

CHAIN OF CUSTODY FORM

ITA1329

Client Name/Address:	Project:
MWH-Arcadia 618 Michillinda Ave, Suite 200 Arcadia, CA 91007 Test America Contact: Joseph Doak	Boeing-SSFL NPDES **Quarterly Outfall 001** **GRAB**
Project Manager: Bronwyn Kelly Mayham Chell Sampler: Emily Alfano	Phone Number: (626) 568-6691 Fax Number: (626) 568-6515

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle #	VOCs 624 + xylenes + Freon 113	Settleable Solids	Oil & Grease (1664-HEM)	Cyanide (total recoverable)	Conductivity	~~Total Residual Chlorine~~	Field readings: (Log in and include in report Temp and pH) Temp °F = 54.9 °F pH = 7.5 Time of readings = 1500	Comments
Outfall 001	W	VOAs	5	1/18/10 1500	HCl	[redacted]	X							
Outfall 001	W	1L Poly	1		None	[redacted]		X						
Outfall 001	W	1L Amber	2		HCl	[redacted]			X					
Outfall 001	W	500 mL Poly	1		NaOH	[redacted]				X				
Outfall 001	W	500 mL Poly	2		None	[redacted]					X			
Trip Blanks	W	VOAs	3		HCl	[redacted]	X							
~~Outfall 001~~	~~W~~	~~250 mL Poly~~	~~1~~		~~None~~	[redacted]						X		

Cr Gore 1/18/10

COC Page 2 of 2 will list the composite samples for Outfall 001 for this storm event.

These Samples are the Grab Portion of Outfall 001 for this storm event. Composite samples will follow and are to be added to this work order.

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	1/18/10 16:00	[signature]	1-18-10 16:00
[signature]	1-18-10 19:00		
		[signature]	1/18/10 19:00

Turn-around time: (Check)
24 Hour: ____ 72 Hour: ____ 10 Day: ____
48 Hour: ____ 5 Day: ____ Normal: X

Sample Integrity: (Check)
Intact: ____ On Ice: X

4.4

Data Requirements: (Check)
No Level IV: ___ All Level IV: ____ NPDES Level IV: X

TestAmerica St. Louis

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F0A200486
494

CONDITION UPON RECEIPT FORM

Client: TA Irvine
Quote No: 85044
COC/RFA No: ITA 1329 / ITA1328
Initiated By: AB
Date: 178 1-20-10 Time: 9:15

Shipping Information

Shipper: FedEx UPS DHL Courier Client Other: _____ Multiple Packages: Y N

Shipping # (s):*				Sample Temperature (s):**			
1.	4289 2132 8762	6.		1.	Ambient	6.	
2.		7.		2.		7.	
3.		8.		3.		8.	
4.		9.		4.		9.	
5.		10.		5.		10.	

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	Y (N)	Are there custody seals present on the cooler?	8.	Y (N)	Are there custody seals present on bottles?
2.	Y N (N/A)	Do custody seals on cooler appear to be tampered with?	9.	Y N (N/A)	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N (N/A)	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	(Y) N	Sample received in proper containers?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N (N/A)	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y (N)	Was sample received broken?	13.	(Y) N N/A	Was Internal COC/Workshare received?
7.	(Y) N	Is sample volume sufficient for analysis?	14.	(Y) N N/A	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

Corrective Action:
☐ Client Contact Name: _____ Informed by: _____
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: _____ If released, notify: _____
Project Management Review: _____ Date: 01/22/10

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.