TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

REVISED

PROJECT NO. 1991-135-11/002

Honeywell Pond B

Lot #: F9C260105

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January 7, 2010

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Case Narrative
LOT NUMBER: F9C260105
Revised

This report contains the analytical results for the eight samples received under chain of custody by STL St. Louis on March 25, 2009. These samples are associated with your Honeywell Pond B project.

The analytical results included in this report meet all applicable quality control procedure requirements except as noted on the following page.

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

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.

This report is revised to report Chemistry data on a wet-weight basis.

Observations/Nonconformances

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

Gamma Spectroscopy

- The presence of Thorium 234/Uranium 238 indicate the presence of Proactinium 234m. The Proactinium 234m results were calculated above the MDA in the samples, however, the results may be biased high due to the low abundance at keyline 1001.3 keV.
- There was insufficient sample to fill a tuna can geometry for Radium-226 by gamma spec which could potentially bias the results low due to the loss of Radon into the headspace of the container. There is not a geometry smaller than a tuna can for Ra226 LCS analysis. The corresponding Americium, Cesium, Cobalt source was used for the LCS to match the actual geometry.

Affected Samples:
F9C260105 (1): B-30 UPPER
F9C260105 (2): B-30 LOWER

Trace ICP Metals

Batch 9090230:
The MS (MSD) recovery for uranium is outside the established QC limits. The RPD is within method acceptance criteria indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recovery.

Affected Samples:
F9C260105 (1): B-30 UPPER
F9C260105 (2): B-30 LOWER
F9C260105 (3): B-31
F9C260105 (4): B-28
F9C260105 (5): B-34
F9C260105 (6): B-32
F9C260105 (7): B-33
F9C260105 (8): B-29

There were no nonconformances or observations noted with any other analysis on this lot.

METHODS SUMMARY

F9C260105

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Gamma Spectroscopy - Radium-226 & Hits	EML GA-01-R MOD	
Isotopic Thorium by Alpha Spectroscopy	EML A-01-R MOD	
Isotopic Uranium by Alpha Spectroscopy	EML A-01-R MOD	
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 1311/7470
Method D2216 Percent H2O Dry 105 Degrees C, Weigh	ASTM Moisture,	ASTM ASTM 2216
Paint Filter Test	SW846 9095	SW846 9095
Soil and Waste pH	SW846 9045C	SW846 DI-LEACHA
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 1311/3010

References:

ASTM Annual Book Of ASTM Standards.

EML "ENVIRONMENTAL MEASUREMENTS LABORATORY PROCEDURES MANUAL" HASL-300 28TH EDITION, VOLUME I and II DEPARTMENT OF ENERGY

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

F9C260105

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K856D	001	B-30 UPPER	03/24/09	10:45
K856K	002	B-30 LOWER	03/24/09	10:45
K856L	003	B-31	03/24/09	09:30
K856R	004	B-28	03/23/09	13:10
K856T	005	B-34	03/24/09	13:50
K856V	006	B-32	03/23/09	14:10
K8561	007	B-33	03/24/09	13:25
K8562	008	B-29	03/24/09	12:55

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.

Andrews Engineering, Inc.

Client Sample ID: B-30 UPPER

TOTAL Metals

Lot-Sample #...: F9C260105-001 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 10:45 **Date Received..:** 03/25/09
% Moisture.....: 43

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9090230						
Uranium	**298**	**50.0**	**mg/kg**	**SW846 6010B**	**04/01/09**	**K856D1AF**
		Dilution Factor: 1		Analysis Time..: 22:13		

Andrews Engineering, Inc.

Client Sample ID: B-30 UPPER

TCLP Metals

Lot-Sample #...: F9C260105-001 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 10:45 **Date Received..:** 03/25/09
Leach Date.....: 04/09/09 **Leach Batch #..:** P909915

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9100173						
Silver	ND	20.0	ug/L	SW846 6010B	04/10-04/13/09	K856D1AG
		Dilution Factor: 1		Analysis Time..: 13:58		
Arsenic	**9.1 B**	**20.0**	**ug/L**	**SW846 6010B**	**04/10-04/13/09**	**K856D1AH**
		Dilution Factor: 1		Analysis Time..: 13:58		
Barium	**55.2 B,J**	**100**	**ug/L**	**SW846 6010B**	**04/10-04/13/09**	**K856D1AJ**
		Dilution Factor: 1		Analysis Time..: 13:58		
Cadmium	ND	10.0	ug/L	SW846 6010B	04/10-04/13/09	K856D1AK
		Dilution Factor: 1		Analysis Time..: 13:58		
Chromium	**17.0 B**	**20.0**	**ug/L**	**SW846 6010B**	**04/10-04/13/09**	**K856D1AL**
		Dilution Factor: 1		Analysis Time..: 13:58		
Lead	ND	40.0	ug/L	SW846 6010B	04/10-04/13/09	K856D1AM
		Dilution Factor: 1		Analysis Time..: 13:58		
Selenium	ND	30.0	ug/L	SW846 6010B	04/10-04/13/09	K856D1AN
		Dilution Factor: 1		Analysis Time..: 13:58		
Prep Batch #...: 9104060						
Mercury	ND	1.0	ug/L	SW846 7470A	04/14/09	K856D1AP
		Dilution Factor: 1		Analysis Time..: 14:26		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Andrews Engineering, Inc.

Client Sample ID: B-30 UPPER

General Chemistry

Lot-Sample #...: F9C260105-001 **Work Order #...:** K856D **Matrix.....:** SOLID
Date Sampled...: 03/24/09 10:45 **Date Received..:** 03/25/09
% Moisture.....: 43

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**12.6**	**0.10**	**No Units**	**SW846 9045C**	**04/06/09**	**9096084**
		Dilution Factor: 1		Analysis Time..: 00:00		
Paint Filter Test	**CNF**		**No Units**	**SW846 9095**	**04/14/09**	**9104120**
		Dilution Factor: 1		Analysis Time..: 00:00		
Percent Moisture	**43.1**	**0.10**	**%**	**ASTM Moisture, %**	**04/05-04/06/09**	**9095013**
		Dilution Factor: 1		Analysis Time..: 00:00		

NOTE(S):

RL Reporting Limit

CNF Contains No Free Liquid

Andrews Engineering, Inc.

Client Sample ID: B-30 LOWER

TOTAL Metals

Lot-Sample #...: F9C260105-002 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 10:45 **Date Received..:** 03/25/09
% Moisture.....: 48

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9090230						
Uranium	**98.8**	**50.0**	**mg/kg**	**SW846 6010B**	**04/01/09**	**K856K1AF**
		Dilution Factor: 1		Analysis Time..: 22:51		

Andrews Engineering, Inc.

Client Sample ID: B-30 LOWER

TCLP Metals

Lot-Sample #...: F9C260105-002 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 10:45 **Date Received..:** 03/25/09
Leach Date.....: 04/09/09 **Leach Batch #..:** P909915

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9100173						
Silver	ND	20.0	ug/L	SW846 6010B	04/10-04/13/09	K856K1AG
		Dilution Factor: 1		Analysis Time..: 14:24		
Arsenic	**20.9**	**20.0**	**ug/L**	**SW846 6010B**	**04/10-04/13/09**	**K856K1AH**
		Dilution Factor: 1		Analysis Time..: 14:24		
Barium	**76.6 B,J**	**100**	**ug/L**	**SW846 6010B**	**04/10-04/13/09**	**K856K1AJ**
		Dilution Factor: 1		Analysis Time..: 14:24		
Cadmium	ND	10.0	ug/L	SW846 6010B	04/10-04/13/09	K856K1AK
		Dilution Factor: 1		Analysis Time..: 14:24		
Chromium	ND	20.0	ug/L	SW846 6010B	04/10-04/13/09	K856K1AL
		Dilution Factor: 1		Analysis Time..: 14:24		
Lead	ND	40.0	ug/L	SW846 6010B	04/10-04/13/09	K856K1AM
		Dilution Factor: 1		Analysis Time..: 14:24		
Selenium	ND	30.0	ug/L	SW846 6010B	04/10-04/13/09	K856K1AN
		Dilution Factor: 1		Analysis Time..: 14:24		
Prep Batch #...: 9104060						
Mercury	ND	1.0	ug/L	SW846 7470A	04/14/09	K856K1AP
		Dilution Factor: 1		Analysis Time..: 14:34		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Andrews Engineering, Inc.

Client Sample ID: B-30 LOWER

General Chemistry

Lot-Sample #...: F9C260105-002 **Work Order #...:** K856K **Matrix.....:** SOLID
Date Sampled...: 03/24/09 10:45 **Date Received..:** 03/25/09
% Moisture.....: 48

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)	**12.7**	**0.10**	**No Units**	**SW846 9045C**	**04/06/09**	**9096084**
		Dilution Factor: 1		Analysis Time..: 00:00		
Paint Filter Test	**CNF**		**No Units**	**SW846 9095**	**04/14/09**	**9104120**
		Dilution Factor: 1		Analysis Time..: 00:00		
Percent Moisture	**48.4**	**0.10**	**%**	**ASTM Moisture, %**	**04/05-04/06/09**	**9095013**
		Dilution Factor: 1		Analysis Time..: 00:00		

NOTE(S):

RL Reporting Limit

CNF Contains No Free Liquid

Andrews Engineering, Inc.

Client Sample ID: B-31

TOTAL Metals

Lot-Sample #...: F9C260105-003 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 09:30 **Date Received..:** 03/25/09
% Moisture.....: 41

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9090230						
Uranium	**224**	**50.0**	**mg/kg**	**SW846 6010B**	**04/01/09**	**K856L1AD**
		Dilution Factor: 1		Analysis Time..: 22:58		

Andrews Engineering, Inc.

Client Sample ID: B-31

General Chemistry

Lot-Sample #...: F9C260105-003 **Work Order #...:** K856L **Matrix.....:** SOLID
Date Sampled...: 03/24/09 09:30 **Date Received..:** 03/25/09
% Moisture.....: 41

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**40.9**	**0.10**	**%**	**ASTM Moisture, %**	**04/05-04/06/09**	**9095013**

Dilution Factor: 1 Analysis Time..: 00:00

Andrews Engineering, Inc.

Client Sample ID: B-28

TOTAL Metals

Lot-Sample #...: F9C260105-004 **Matrix.....:** SOLID
Date Sampled...: 03/23/09 13:10 **Date Received..:** 03/25/09
% Moisture.....: 41

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9090230						
Uranium	**258**	**50.0**	**mg/kg**	**SW846 6010B**	**04/01/09**	**K856R1AD**
		Dilution Factor: 1		Analysis Time..: 23:04		

Andrews Engineering, Inc.

Client Sample ID: B-28

General Chemistry

Lot-Sample #...: F9C260105-004 **Work Order #...:** K856R **Matrix.....:** SOLID
Date Sampled...: 03/23/09 13:10 **Date Received..:** 03/25/09
% Moisture.....: 41

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**41.1**	**0.10**	**%**	**ASTM Moisture, %**	**04/05-04/06/09**	**9095013**

Dilution Factor: 1 Analysis Time..: 00:00

Andrews Engineering, Inc.

Client Sample ID: B-34

TOTAL Metals

Lot-Sample #...: F9C260105-005 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 13:50 **Date Received..:** 03/25/09
% Moisture.....: 42

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9090230						
Uranium	**40.2 B**	**50.0**	**mg/kg**	**SW846 6010B**	**04/01/09**	**K856T1AD**
		Dilution Factor: 1		Analysis Time..: 23:11		

NOTE(S):

B Estimated result. Result is less than RL.

Andrews Engineering, Inc.

Client Sample ID: B-34

General Chemistry

Lot-Sample #...: F9C260105-005 **Work Order #...:** K856T **Matrix.....:** SOLID
Date Sampled...: 03/24/09 13:50 **Date Received..:** 03/25/09
% Moisture.....: 42

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**41.6**	**0.10**	**%**	**ASTM Moisture, %**	**04/05-04/06/09**	**9095013**

Dilution Factor: 1 Analysis Time..: 00:00

Andrews Engineering, Inc.

Client Sample ID: B-32

TOTAL Metals

Lot-Sample #...: F9C260105-006 **Matrix.....:** SOLID
Date Sampled...: 03/23/09 14:10 **Date Received..:** 03/25/09
% Moisture.....: 42

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9090230						
Uranium	**304**	**50.0**	**mg/kg**	**SW846 6010B**	**04/01/09**	**K856V1AD**
		Dilution Factor: 1		Analysis Time..: 23:17		

Andrews Engineering, Inc.

Client Sample ID: B-32

General Chemistry

Lot-Sample #...: F9C260105-006 **Work Order #...:** K856V **Matrix.....:** SOLID
Date Sampled...: 03/23/09 14:10 **Date Received..:** 03/25/09
% Moisture.....: 42

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**42.5**	**0.10**	**%**	**ASTM Moisture, %**	**04/05-04/06/09**	**9095013**

Dilution Factor: 1 Analysis Time..: 00:00

Andrews Engineering, Inc.

Client Sample ID: B-33

TOTAL Metals

Lot-Sample #...: F9C260105-007 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 13:25 **Date Received..:** 03/25/09
% Moisture.....: 43

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9090230						
Uranium	**37.7 B**	**50.0**	**mg/kg**	**SW846 6010B**	**04/01/09**	**K85611AD**
		Dilution Factor: 1		Analysis Time..: 23:24		

NOTE(S):

B Estimated result. Result is less than RL.

Andrews Engineering, Inc.

Client Sample ID: B-33

General Chemistry

Lot-Sample #...: F9C260105-007 **Work Order #...:** K8561 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 13:25 **Date Received..:** 03/25/09
% Moisture.....: 43

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**42.8**	**0.10**	**%**	**ASTM Moisture, %**	**04/05-04/06/09**	**9095013**

Dilution Factor: 1 Analysis Time..: 00:00

Andrews Engineering, Inc.

Client Sample ID: B-29

TOTAL Metals

Lot-Sample #...: F9C260105-008 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 12:55 **Date Received..:** 03/25/09
% Moisture.....: 43

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9090230						
Uranium	**196**	**50.0**	**mg/kg**	**SW846 6010B**	**04/01/09**	**K85621AD**
		Dilution Factor: 1		Analysis Time..: 23:30		

Andrews Engineering, Inc.

Client Sample ID: B-29

General Chemistry

Lot-Sample #...: F9C260105-008 **Work Order #...:** K8562 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 12:55 **Date Received..:** 03/25/09
% Moisture.....: 43

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**42.8**	**0.10**	**%**	**ASTM Moisture, %**	**04/05-04/06/09**	**9095013**

Dilution Factor: 1 Analysis Time..: 00:00

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: F9C260105 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F9C310000-230 **Prep Batch #...:** 9090230						
Uranium	ND	50.0	mg/kg	SW846 6010B	04/01/09	K9CX61AA
		Dilution Factor: 1				
		Analysis Time..: 22:00				

NOTE(S):

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

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: F9C260105 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F9D090000-302		**Prep Batch #...:** 9104060				
Leach Date.....: 04/09/09		**Leach Batch #..:** P909915				
Mercury	ND	1.0	ug/L	SW846 7470A	04/14/09	K9VJT1AJ
		Dilution Factor: 1				
		Analysis Time..: 14:18				
MB Lot-Sample #: F9D090000-302		**Prep Batch #...:** 9100173				
Leach Date.....: 04/09/09		**Leach Batch #..:** P909915				
Arsenic	ND	20.0	ug/L	SW846 6010B	04/10-04/13/09	K9VJT1AC
		Dilution Factor: 1				
		Analysis Time..: 13:46				
Barium	**3.6 B**	**100**	**ug/L**	**SW846 6010B**	**04/10-04/13/09**	**K9VJT1AD**
		Dilution Factor: 1				
		Analysis Time..: 13:46				
Cadmium	ND	10.0	ug/L	SW846 6010B	04/10-04/13/09	K9VJT1AE
		Dilution Factor: 1				
		Analysis Time..: 13:46				
Chromium	ND	20.0	ug/L	SW846 6010B	04/10-04/13/09	K9VJT1AF
		Dilution Factor: 1				
		Analysis Time..: 13:46				
Lead	ND	40.0	ug/L	SW846 6010B	04/10-04/13/09	K9VJT1AG
		Dilution Factor: 1				
		Analysis Time..: 13:46				
Selenium	**7.4 B**	**30.0**	**ug/L**	**SW846 6010B**	**04/10-04/13/09**	**K9VJT1AH**
		Dilution Factor: 1				
		Analysis Time..: 13:46				
Silver	ND	20.0	ug/L	SW846 6010B	04/10-04/13/09	K9VJT1AA
		Dilution Factor: 1				
		Analysis Time..: 13:46				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F9C260105 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F9C310000-230 **Prep Batch #...:** 9090230					
Uranium	106	(80 - 120)	SW846 6010B	04/01/09	K9CX61AC
		Dilution Factor: 1	Analysis Time..: 22:06		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: F9C260105 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F9D100000-173 **Prep Batch #...:** 9100173					
Silver	110	(80 - 120)	SW846 6010B	04/10-04/13/09	K9W611AA
		Dilution Factor: 1	Analysis Time..: 13:52		
Arsenic	109	(80 - 120)	SW846 6010B	04/10-04/13/09	K9W611AC
		Dilution Factor: 1	Analysis Time..: 13:52		
Barium	110	(80 - 120)	SW846 6010B	04/10-04/13/09	K9W611AD
		Dilution Factor: 1	Analysis Time..: 13:52		
Cadmium	109	(80 - 120)	SW846 6010B	04/10-04/13/09	K9W611AE
		Dilution Factor: 1	Analysis Time..: 13:52		
Chromium	106	(80 - 120)	SW846 6010B	04/10-04/13/09	K9W611AF
		Dilution Factor: 1	Analysis Time..: 13:52		
Lead	109	(80 - 120)	SW846 6010B	04/10-04/13/09	K9W611AG
		Dilution Factor: 1	Analysis Time..: 13:52		
Selenium	114	(80 - 120)	SW846 6010B	04/10-04/13/09	K9W611AH
		Dilution Factor: 1	Analysis Time..: 13:52		
LCS Lot-Sample#: F9D140000-060 **Prep Batch #...:** 9104060					
Mercury	86	(80 - 120)	SW846 7470A	04/14/09	K92Q21AA
		Dilution Factor: 1	Analysis Time..: 14:20		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: F9C260105 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)		Work Order #: K9MLF1AA	LCS Lot-Sample#: F9D060000-084		
	100	(99 - 101)	SW846 9045C	04/06/09	9096084
		Dilution Factor: 1	Analysis Time..: 00:00		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F9C260105 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 10:45 **Date Received..:** 03/25/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F9C260105-001 **Prep Batch #...:** 9090230						**% Moisture.....:** 43	
Uranium	47 N	(75 - 125)			SW846 6010B	04/01/09	K856D1AV
	129 N	(75 - 125)	21	(0-30)	SW846 6010B	04/01/09	K856D1AW

Dilution Factor: 1
Analysis Time..: 22:26

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: F9C260105 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 10:45 **Date Received..:** 03/25/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F9C260105-001 **Prep Batch #...:** 9090230									
								% Moisture.....: 43	
Uranium									
	298	100	345 N	mg/kg	47		SW846 6010B	04/01/09	K856D1AV
	298	100	427 N	mg/kg	129	21	SW846 6010B	04/01/09	K856D1AW

Dilution Factor: 1
Analysis Time..: 22:26

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: F9C260105 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 10:45 **Date Received..:** 03/25/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F9C260105-001 **Prep Batch #...:** 9100173							
Leach Date.....: 04/09/09 **Leach Batch #..:** P909915							
Arsenic	105	(75 - 125)			SW846 6010B	04/10-04/13/09	K856D1A2
	106	(75 - 125)	0.98	(0-20)	SW846 6010B	04/10-04/13/09	K856D1A3
		Dilution Factor: 1					
		Analysis Time..: 14:11					
Barium	110	(75 - 125)			SW846 6010B	04/10-04/13/09	K856D1A4
	112	(75 - 125)	1.9	(0-20)	SW846 6010B	04/10-04/13/09	K856D1A5
		Dilution Factor: 1					
		Analysis Time..: 14:11					
Cadmium	96	(75 - 125)			SW846 6010B	04/10-04/13/09	K856D1A6
	98	(75 - 125)	1.6	(0-20)	SW846 6010B	04/10-04/13/09	K856D1A7
		Dilution Factor: 1					
		Analysis Time..: 14:11					
Chromium	95	(75 - 125)			SW846 6010B	04/10-04/13/09	K856D1A8
	97	(75 - 125)	1.7	(0-20)	SW846 6010B	04/10-04/13/09	K856D1A9
		Dilution Factor: 1					
		Analysis Time..: 14:11					
Lead	97	(75 - 125)			SW846 6010B	04/10-04/13/09	K856D1CA
	99	(75 - 125)	1.9	(0-20)	SW846 6010B	04/10-04/13/09	K856D1CC
		Dilution Factor: 1					
		Analysis Time..: 14:11					
Selenium	103	(75 - 125)			SW846 6010B	04/10-04/13/09	K856D1CD
	103	(75 - 125)	0.57	(0-20)	SW846 6010B	04/10-04/13/09	K856D1CE
		Dilution Factor: 1					
		Analysis Time..: 14:11					
Silver	110	(75 - 125)			SW846 6010B	04/10-04/13/09	K856D1A0
	111	(75 - 125)	1.0	(0-20)	SW846 6010B	04/10-04/13/09	K856D1A1
		Dilution Factor: 1					
		Analysis Time..: 14:11					

MS Lot-Sample #: F9C260105-001 **Prep Batch #...:** 9104060
Leach Date.....: 04/09/09 **Leach Batch #..:** P909915
(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: F9C260105 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 10:45 **Date Received..:** 03/25/09

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Mercury	88	(70 - 130)			SW846 7470A	04/14/09	K856D1CH
	86	(70 - 130)	2.5	(0-20)	SW846 7470A	04/14/09	K856D1CJ

Dilution Factor: 1
Analysis Time..: 14:28

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: F9C260105 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 10:45 **Date Received..:** 03/25/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F9C260105-001 **Prep Batch #...:** 9100173									
Leach Date.....: 04/09/09 **Leach Batch #..:** P909915									
Arsenic									
	9.1	2000	2110	ug/L	105		SW846 6010B	04/10-04/13/09	K856D1A2
	9.1	2000	2130	ug/L	106	0.98	SW846 6010B	04/10-04/13/09	K856D1A3
			Dilution Factor: 1						
			Analysis Time..: 14:11						
Barium									
	55.2	2000	2260	ug/L	110		SW846 6010B	04/10-04/13/09	K856D1A4
	55.2	2000	2300	ug/L	112	1.9	SW846 6010B	04/10-04/13/09	K856D1A5
			Dilution Factor: 1						
			Analysis Time..: 14:11						
Cadmium									
	ND	2000	1920	ug/L	96		SW846 6010B	04/10-04/13/09	K856D1A6
	ND	2000	1960	ug/L	98	1.6	SW846 6010B	04/10-04/13/09	K856D1A7
			Dilution Factor: 1						
			Analysis Time..: 14:11						
Chromium									
	17.0	2000	1930	ug/L	95		SW846 6010B	04/10-04/13/09	K856D1A8
	17.0	2000	1960	ug/L	97	1.7	SW846 6010B	04/10-04/13/09	K856D1A9
			Dilution Factor: 1						
			Analysis Time..: 14:11						
Lead									
	ND	2000	1940	ug/L	97		SW846 6010B	04/10-04/13/09	K856D1CA
	ND	2000	1970	ug/L	99	1.9	SW846 6010B	04/10-04/13/09	K856D1CC
			Dilution Factor: 1						
			Analysis Time..: 14:11						
Selenium									
	ND	2000	2050	ug/L	103		SW846 6010B	04/10-04/13/09	K856D1CD
	ND	2000	2070	ug/L	103	0.57	SW846 6010B	04/10-04/13/09	K856D1CE
			Dilution Factor: 1						
			Analysis Time..: 14:11						
Silver									
	ND	200	220	ug/L	110		SW846 6010B	04/10-04/13/09	K856D1A0
	ND	200	223	ug/L	111	1.0	SW846 6010B	04/10-04/13/09	K856D1A1
			Dilution Factor: 1						
			Analysis Time..: 14:11						

MS Lot-Sample #: F9C260105-001 **Prep Batch #...:** 9104060
Leach Date.....: 04/09/09 **Leach Batch #..:** P909915

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: F9C260105 **Matrix.....:** SOLID
Date Sampled...: 03/24/09 10:45 **Date Received..:** 03/25/09

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Mercury									
	ND	25.0	22.1	ug/L	88		SW846 7470A	04/14/09	K856D1CH
	ND	25.0	21.6	ug/L	86	2.5	SW846 7470A	04/14/09	K856D1CJ

Dilution Factor: 1
Analysis Time..: 14:28

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F9C260105 **Work Order #...:** K8562-SMP **Matrix.....:** SOLID
K8562-DUP

Date Sampled...: 03/24/09 12:55 **Date Received..:** 03/25/09

% Moisture.....: 43

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	F9C260105-008	
	42.8	44.2	%	3.4	(0-0.0)	ASTM Moisture, %	04/05-04/06/09	9095013

Dilution Factor: 1 Analysis Time..: 00:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F9C260105 **Work Order #...:** K82C9-SMP K82C9-DUP **Matrix.....:** SOLID

Date Sampled...: 03/19/09 09:20 **Date Received..:** 03/20/09

% Moisture.....: 8.0

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (solid)						SD Lot-Sample #:	F9C240153-001	
	9.2	9.2	No Units	0.32	(0-0.0)	SW846 9045C	04/06/09	9096084

Dilution Factor: 1 Analysis Time..: 00:00

Andrews Engineering, Inc.

Client Sample ID: B-30 UPPER

Radiochemistry

Lab Sample ID: F9C260105-001
Work Order: K856D
Matrix: SOLID

Date Collected: 03/24/09 1045
Date Received: 03/25/09 1855

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
Gamma Ra-226 & Hits By DOE GA-010R MOD				**pCi/g**	**GA-01-R MOD**			
Bismuth 214	**0.86**		**0.22**	**0.15**	**03/30/09**	**04/20/09**	**9089353**	
Lead 212	0.18	U	0.19	0.25	03/30/09	04/20/09	9089353	
Lead 214	**0.96**		**0.22**	**0.22**	**03/30/09**	**04/20/09**	**9089353**	
Protactinium 234M	**143**		**24**	**7**	**03/30/09**	**04/20/09**	**9089353**	
Protactinium 231	-0.5	U	1.8	3.1	03/30/09	04/20/09	9089353	
Radium (226)	**0.86**		**0.22**	**0.15**	**03/30/09**	**04/20/09**	**9089353**	
Thorium 232	0.22	U	0.28	0.45	03/30/09	04/20/09	9089353	
Thorium 234	**105**		**8.2**	**3.7**	**03/30/09**	**04/20/09**	**9089353**	
Uranium 235	**6.04**		**0.80**	**0.85**	**03/30/09**	**04/20/09**	**9089353**	
--- Other Detected Radionuclides ---								
Potassium 40	**2.6**		**1.4**	**2.2**	**03/30/09**	**04/20/09**	**9089353**	
Iso URANIUM (SHORT CT) DOE A-01-R MOD				**pCi/g**	**A-01-R MOD**			
Uranium 234	**69.1**		**9.6**	**1.1**	**04/08/09**	**04/09/09**	**9098413**	**90**
Uranium 235/236	**3.6**		**2.0**	**0.7**	**04/08/09**	**04/09/09**	**9098413**	**90**
Uranium 238	**69.9**		**9.6**	**1.3**	**04/08/09**	**04/09/09**	**9098413**	**90**
Iso THORIUM (SHORT CT) DOE A-01-R MOD				**pCi/g**	**A-01-R MOD**			
Thorium 228	**0.32**		**0.20**	**0.20**	**04/15/09**	**04/20/09**	**9105093**	**73**
Thorium 230	**5.84**		**0.93**	**0.22**	**04/15/09**	**04/20/09**	**9105093**	**73**
Thorium 232	0.1	U	0.13	0.21	04/15/09	04/20/09	9105093	73

NOTE(S)

Data are incomplete without the case narrative.

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

Andrews Engineering, Inc.

Client Sample ID: B-30 LOWER

Radiochemistry

Lab Sample ID: F9C260105-002
Work Order: K856K
Matrix: SOLID

Date Collected: 03/24/09 1045
Date Received: 03/25/09 1855

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Batch #	Yld %
Gamma Ra-226 & Hits By DOE GA-010R MOD				pCi/g	GA-01-R MOD			
Bismuth 214	0.50		0.23	0.30	03/30/09	04/20/09	9089353	
Lead 212	-0.1	U	4.8	0.3	03/30/09	04/20/09	9089353	
Lead 214	0.33		0.20	0.28	03/30/09	04/20/09	9089353	
Protactinium 234M	76		22	23	03/30/09	04/20/09	9089353	
Protactinium 231	0.0	U	2.1	3.8	03/30/09	04/20/09	9089353	
Radium (226)	0.50		0.23	0.30	03/30/09	04/20/09	9089353	
Thorium 232	0.04	U	0.37	0.68	03/30/09	04/20/09	9089353	
Thorium 234	67.8		5.6	3.5	03/30/09	04/20/09	9089353	
Uranium 235	4.16		0.71	0.64	03/30/09	04/20/09	9089353	
Iso URANIUM (SHORT CT) DOE A-01-R MOD				pCi/g	A-01-R MOD			
Uranium 234	71.6		8.8	1.2	04/08/09	04/09/09	9098413	98
Uranium 235/236	3.0		1.5	1	04/08/09	04/09/09	9098413	98
Uranium 238	78.2		9.4	0.9	04/08/09	04/09/09	9098413	98
Iso THORIUM (SHORT CT) DOE A-01-R MOD				pCi/g	A-01-R MOD			
Thorium 228	0.08	U	0.11	0.18	04/15/09	04/17/09	9105093	88
Thorium 230	2.10		0.46	0.12	04/15/09	04/17/09	9105093	88
Thorium 232	0.066	U	0.088	0.13	04/15/09	04/17/09	9105093	88

NOTE(S)

Data are incomplete without the case narrative.

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

METHOD BLANK REPORT

Radiochemistry

Client Lot ID: F9C260105
Matrix: SOLID

Parameter	Result	Qual	Total Uncert. (2 σ+/-)	MDC	Prep Date	Analysis Date	Lab Sample ID Batch #	Yld %
Iso THORIUM (SHORT CT) DOE A-01-R MOD			**pCi/g**	**A-01-R MOD**			**F9D150000-093B**	
Thorium 228	0.027	U	0.038	0.059	04/15/09	04/20/09	9105093	86
Thorium 230	**0.096**		**0.066**	**0.046**	**04/15/09**	**04/20/09**	**9105093**	**86**
Thorium 232	-0.0020	U	0.0041	0.046	04/15/09	04/20/09	9105093	86
Gamma Ra-226 & Hits By DOE GA-010R MOD			**pCi/g**	**GA-01-R MOD**			**F9C300000-353B**	
Bismuth 214	-0.08	U	3.4	0.2	03/30/09	04/20/09	9089353	
Lead 212	-0.007	U	0.070	0.10	03/30/09	04/20/09	9089353	
Lead 214	0.023	U	0.064	0.11	03/30/09	04/20/09	9089353	
Protactinium 234M	0.0	U	1.3	4.9	03/30/09	04/20/09	9089353	
Protactinium 231	0.36	U	0.58	0.99	03/30/09	04/20/09	9089353	
Radium (226)	-0.08	U	3.4	0.2	03/30/09	04/20/09	9089353	
Thorium 232	0.07	U	0.15	0.26	03/30/09	04/20/09	9089353	
Thorium 234	-0.04	U	0.55	1.0	03/30/09	04/20/09	9089353	
Uranium 235	-0.1	U	1.8	0.3	03/30/09	04/20/09	9089353	
Iso URANIUM (SHORT CT) DOE A-01-R MOD			**pCi/g**	**A-01-R MOD**			**F9D080000-413B**	
Uranium 234	0.006	U	0.020	0.047	04/08/09	04/09/09	9098413	98
Uranium 235/236	-0.0022	U	0.0045	0.051	04/08/09	04/09/09	9098413	98
Uranium 238	0.006	U	0.020	0.047	04/08/09	04/09/09	9098413	98

NOTE(S)

Data are incomplete without the case narrative.

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

Laboratory Control Sample Report

Radiochemistry

Client Lot ID: F9C260105
Matrix: SOLID

Parameter	Spike Amount	Result	Total Uncert. (2 σ+/-)	MDC	% Yld	% Rec	Lab Sample ID / QC Control Limits
Gamma Ra-226 & Hits By DOE GA-010R MOD		**pCi/g**		**GA-01-R MOD**			**F9C300000-353C**
Americium 241	351	350	28	2		100	(89 - 112)
Cesium 137	140	136	8.1	0.9		97	(91 - 118)
Cobalt 60	226	222	13	0.6		98	(90 - 110)
	Batch #:	9089353		**Analysis Date:**	04/20/09		
Iso URANIUM (SHORT CT) DOE A-01-R MOD		**pCi/g**		**A-01-R MOD**			**F9D080000-413C**
Uranium 234	19.6	16.0	2.6	0.4	87	81	(69 - 125)
Uranium 238	19.6	19.7	3.0	0.4	87	101	(68 - 121)
	Batch #:	9098413		**Analysis Date:**	04/09/09		
Iso THORIUM (SHORT CT) DOE A-01-R MOD		**pCi/g**		**A-01-R MOD**			**F9D150000-093C**
Thorium 230	58.1	67.9	7.6	0.3	80	117	(83 - 126)
	Batch #:	9105093		**Analysis Date:**	04/17/09		

NOTE(S)
MDC is determined by instrument performance only
Calculations are performed before rounding to avoid round off errors in calculated results

DUPLICATE EVALUATION REPORT

Radiochemistry

Client Lot ID: F9C260105 Date Sampled: 03/24/09
Matrix: SOLID Date Received: 03/25/09

Parameter	SAMPLE Result		Total Uncert. (2σ +/-)	% Yld	DUPLICATE Result		Total Uncert. (2σ +/-)	% Yld	QC Sample ID Precision	
Gamma Ra-226 & Hits By DOE GA-010R MOD				**pCi/g**	**GA-01-R MOD**				**F9C260105-001**	
Bismuth 214	0.86		0.22		0.57		0.19		41	%RPD
Lead 212	0.18	U	0.19		0.06	U	0.12		93	%RPD
Lead 214	0.96		0.22		1.08		0.24		11	%RPD
Protactinium 231	-0.5	U	1.8		-0.5	U	1.8		7	%RPD
Protactinium 234M	143		24		146		22		2	%RPD
Radium (226)	0.86		0.22		0.57		0.19		41	%RPD
Thorium 232	0.22	U	0.28		0.10	U	0.27		72	%RPD
Thorium 234	105		8.2		106		8.9		1	%RPD
Uranium 235	6.04		0.80		6.72		0.81		11	%RPD
---Other Dedected Radionuclides---										
Potassium 40	2.6		1.4		2.9		1.4		13	%RPD
	Batch #:		9089353	(Sample)	9089353	(Duplicate)				
Iso URANIUM (SHORT CT) DOE A-01-R MOD				**pCi/g**	**A-01-R MOD**				**F9C260105-001**	
Uranium 234	69.1		9.6	90	64.7		9.1	89	7	%RPD
Uranium 235/236	3.6		2.0	90	4.6		2.2	89	23	%RPD
Uranium 238	69.9		9.6	90	63.7		9.0	89	9	%RPD
	Batch #:		9098413	(Sample)	9098413	(Duplicate)				
Iso THORIUM (SHORT CT) DOE A-01-R MOD				**pCi/g**	**A-01-R MOD**				**F9C260105-001**	
Thorium 228	0.32		0.20	73	0.18		0.14	87	58	%RPD
Thorium 230	5.84		0.93	73	3.97		0.67	87	38	%RPD
Thorium 232	0.1	U	0.13	73	0.12	U	0.10	87	22	%RPD
	Batch #:		9105093	(Sample)	9105093	(Duplicate)				

NOTE(S)

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

Chain of Custody Record

Temperature on Receipt 3.2°C

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL 4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ANDREWS ENGINEERING	SEAN CHISEK	3/25/2009	101851
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
3300 GINGER CREEK DR.	(217)-622-3084		

City	State	Zip Code	Site Contact	Lab Contact
SPRINGFIELD	IL	62711	W. BRINES	T. ROMANKO

Project Name and Location (State): HONEYWELL METROPOLIS, IL

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 91-135-11

Analysis (Attach list if more space is needed): Total U; % MOISTURE; TCLP Metals; TCLP SVOCs; TCLP Ref/Herb; Flash Point; PAINT FILTER; pH; Reactive CN/S; Isotopes; Cation Exchange; TCLP VOCs; Bulk Density; Grain Size; Chloride; Sulfide; TOC; Phenol (total)

Special Instructions/Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Sludge	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Total U	% MOISTURE	TCLP Metals	TCLP SVOCs	TCLP Ref/Herb	Flash Point	PAINT FILTER	pH	Reactive CN/S	Isotopes	Cation Exchange	TCLP VOCs	Bulk Density	Grain Size	Chloride	Sulfide	TOC	Phenol (total)
B-30 UPPER	3/24	1045					X							X	X	X				X	X		X			3x250g					
B-30 LOWER	3/24	1045					X							X	X	X				X	X		X			3x250g					
B-31	3/24	0930					X							X	X											60g					
B-28	3/23	1310					X							X	X											↓					
B-34	3/24	1350					X							X	X											↓					
B-32	3/23	1410					X							X	X											↓					
B-33	3/24	1325					X							X	X											↓					
B-29	3/24	1255					X							X	X											↓					

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☒ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

Relinquished By	Date	Time	Received By	Date	Time
1. James Staffelbeam	3-25-09	1415	1. Robert Short	3-25-09	14:15
2. Robert Short	3-25-09	18:55	2. [illegible]	3-25-09	18:55
3.			3.		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica St. Louis

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F9C260105

TestAmerica St. Louis

CONDITION UPON RECEIPT FORM

Client: Andrews

Quote No: 81890

COC/RFA No: 101851

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Initiated By: BD Date: 3/25/09 Time: 1855

Shipping Information

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

Shipping # (s):*		Sample Temperature (s):**	
1.	6.	1. -3.2	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: 3/27/09

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.