TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

PROJECT NO. SOIL PROJECT

Brown and Caldwell

Lot #: F7H290265

Patty Mata

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

TESTAMERICA LABORATORIES, INC.

Ivan Vania
Project Manager

September 24, 2007

Case Narrative
LOT NUMBER: **F7H290265**

This report contains the analytical results for the 17 samples received under chain of custody by STL St. Louis on August 28, 2007. These samples are associated with your Brown and Caldwell project.

The analytical results included in this report meet all applicable quality control procedure requirements.

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.

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

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

METHODS SUMMARY

F7H290265

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
ICP-MS (6020)	SW846 6020	
Percent Moisture	MCAWW 160.3 MOD	MCAWW 160.3 MOD

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

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

SAMPLE SUMMARY

F7H290265

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J5VND	001	BGS-A1-31S	07/28/07	09:00
J5VNE	002	BGS-A1-31D-1	07/28/07	09:00
J5VNF	003	BGS-A1-31D-2	07/28/07	09:00
J5VNG	004	BGS-A1-25S	07/28/07	10:45
J5VNH	005	BGS-A1-25D	07/28/07	10:45
J5VNJ	006	BGS-A1-24S	07/28/07	11:45
J5VNK	007	BGS-A1-24D	07/28/07	11:45
J5VNL	008	BGS-A1-19S	07/28/07	13:30
J5VNM	009	BGS-A1-19D	07/28/07	13:30
J5VNN	010	BGS-A1-16S	07/29/07	13:00
J5VNQ	011	BGS-A1-16D	07/29/07	13:00
J5VNR	012	BGS-A1-17S	07/29/07	13:30
J5VNT	013	BGS-A1-17D	07/29/07	13:30
J5VNV	014	BGS-A1-18S	07/29/07	14:15
J5VNW	015	BGS-A1-18D	07/29/07	14:15
J5VNX	016	BGS-A1-23S	07/29/07	14:45
J5VN0	017	BGS-A1-23D	07/29/07	14:45

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: BGS-A1-31S

TOTAL Metals

Lot-Sample #...: F7H290265-001 **Matrix.....:** SOLID
Date Sampled...: 07/28/07 09:00 **Date Received..:** 08/28/07
% Moisture.....: 2.8

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**9.6**	**0.21**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VND1AC**
		Dilution Factor: 1		Analysis Time..: 17:34		
Uranium	**1.2**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VND1AD**
		Dilution Factor: 1		Analysis Time..: 17:34		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-31S

General Chemistry

Lot-Sample #...: F7H290265-001 **Work Order #...:** J5VND **Matrix.....:** SOLID
Date Sampled...: 07/28/07 09:00 **Date Received..:** 08/28/07
% Moisture.....: 2.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.8**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-31D-1

TOTAL Metals

Lot-Sample #...: F7H290265-002 **Matrix.....:** SOLID
Date Sampled...: 07/28/07 09:00 **Date Received..:** 08/28/07
% Moisture.....: 3.4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**8.4**	**0.21**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNE1AC**
		Dilution Factor: 1		Analysis Time..: 17:48		
Uranium	**2.0**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNE1AD**
		Dilution Factor: 1		Analysis Time..: 17:48		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-31D-1

General Chemistry

Lot-Sample #...: F7H290265-002 **Work Order #...:** J5VNE **Matrix.....:** SOLID
Date Sampled...: 07/28/07 09:00 **Date Received..:** 08/28/07
% Moisture.....: 3.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**3.4**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-31D-2

TOTAL Metals

Lot-Sample #...: F7H290265-003 **Matrix.....:** SOLID
Date Sampled...: 07/28/07 09:00 **Date Received..:** 08/28/07
% Moisture.....: 3.6

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**8.5**	**0.21**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNF1AC**
		Dilution Factor: 1		Analysis Time..: 17:52		
Uranium	**2.4**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNF1AD**
		Dilution Factor: 1		Analysis Time..: 17:52		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-31D-2

General Chemistry

Lot-Sample #...: F7H290265-003 **Work Order #...:** J5VNF **Matrix.....:** SOLID
Date Sampled...: 07/28/07 09:00 **Date Received..:** 08/28/07
% Moisture.....: 3.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**3.6**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-25S

TOTAL Metals

Lot-Sample #...: F7H290265-004 **Matrix.....:** SOLID
Date Sampled...: 07/28/07 10:45 **Date Received..:** 08/28/07
% Moisture.....: 1.7

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**11.1**	**0.20**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNG1AC**
		Dilution Factor: 1		Analysis Time..: 17:56		
Uranium	**1.5**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNG1AD**
		Dilution Factor: 1		Analysis Time..: 17:56		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-25S

General Chemistry

Lot-Sample #...: F7H290265-004 **Work Order #...:** J5VNG **Matrix.....:** SOLID
Date Sampled...: 07/28/07 10:45 **Date Received..:** 08/28/07
% Moisture.....: 1.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**1.7**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-25D

TOTAL Metals

Lot-Sample #...: F7H290265-005 **Matrix.....:** SOLID
Date Sampled...: 07/28/07 10:45 **Date Received..:** 08/28/07
% Moisture.....: 3.3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**8.1**	**0.21**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNH1AC**
		Dilution Factor: 1		Analysis Time..: 17:59		
Uranium	**1.4**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNH1AD**
		Dilution Factor: 1		Analysis Time..: 17:59		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-25D

General Chemistry

Lot-Sample #...: F7H290265-005 **Work Order #...:** J5VNH **Matrix.....:** SOLID
Date Sampled...: 07/28/07 10:45 **Date Received..:** 08/28/07
% Moisture.....: 3.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**3.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-24S

TOTAL Metals

Lot-Sample #...: F7H290265-006 **Matrix.....:** SOLID
Date Sampled...: 07/28/07 11:45 **Date Received..:** 08/28/07
% Moisture.....: 3.4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**6.1**	**0.21**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNJ1AC**
		Dilution Factor: 1		Analysis Time..: 18:11		
Uranium	**0.68**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNJ1AD**
		Dilution Factor: 1		Analysis Time..: 18:11		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-24S

General Chemistry

Lot-Sample #...: F7H290265-006 **Work Order #...:** J5VNJ **Matrix.....:** SOLID
Date Sampled...: 07/28/07 11:45 **Date Received..:** 08/28/07
% Moisture.....: 3.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**3.4**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-24D

TOTAL Metals

Lot-Sample #...: F7H290265-007 **Matrix.....:** SOLID
Date Sampled...: 07/28/07 11:45 **Date Received..:** 08/28/07
% Moisture.....: 2.4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**5.3**	**0.20**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNK1AC**
		Dilution Factor: 1		Analysis Time..: 18:15		
Uranium	**0.82**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNK1AD**
		Dilution Factor: 1		Analysis Time..: 18:15		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-24D

General Chemistry

Lot-Sample #...: F7H290265-007 **Work Order #...:** J5VNK **Matrix.....:** SOLID
Date Sampled...: 07/28/07 11:45 **Date Received..:** 08/28/07
% Moisture.....: 2.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.4**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-19S

TOTAL Metals

Lot-Sample #...: F7H290265-008 **Matrix.....:** SOLID
Date Sampled...: 07/28/07 13:30 **Date Received..:** 08/28/07
% Moisture.....: 2.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**6.0**	**0.20**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNL1AC**
		Dilution Factor: 1		Analysis Time..: 18:19		
Uranium	**0.95**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNL1AD**
		Dilution Factor: 1		Analysis Time..: 18:19		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-19S

General Chemistry

Lot-Sample #...: F7H290265-008 **Work Order #...:** J5VNL **Matrix.....:** SOLID
Date Sampled...: 07/28/07 13:30 **Date Received..:** 08/28/07
% Moisture.....: 2.1

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.1**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-19D

TOTAL Metals

Lot-Sample #...: F7H290265-009 **Matrix.....:** SOLID
Date Sampled...: 07/28/07 13:30 **Date Received..:** 08/28/07
% Moisture.....: 3.5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**6.6**	**0.21**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNM1AC**
		Dilution Factor: 1		Analysis Time..: 18:22		
Uranium	**1.2**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNM1AD**
		Dilution Factor: 1		Analysis Time..: 18:22		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-19D

General Chemistry

Lot-Sample #...: F7H290265-009 **Work Order #...:** J5VNM **Matrix.....:** SOLID
Date Sampled...: 07/28/07 13:30 **Date Received..:** 08/28/07
% Moisture.....: 3.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**3.5**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-16S

TOTAL Metals

Lot-Sample #...: F7H290265-010 **Matrix.....:** SOLID
Date Sampled...: 07/29/07 13:00 **Date Received..:** 08/28/07
% Moisture.....: 0.77

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**5.9**	**0.20**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNN1AC**
		Dilution Factor: 1		Analysis Time..: 18:26		
Uranium	**1.0**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNN1AD**
		Dilution Factor: 1		Analysis Time..: 18:26		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-16S

General Chemistry

Lot-Sample #...: F7H290265-010 **Work Order #...:** J5VNN **Matrix.....:** SOLID
Date Sampled...: 07/29/07 13:00 **Date Received..:** 08/28/07
% Moisture.....: 0.77

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**0.77**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-16D

TOTAL Metals

Lot-Sample #...: F7H290265-011 **Matrix.....:** SOLID
Date Sampled...: 07/29/07 13:00 **Date Received..:** 08/28/07
% Moisture.....: 2.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**5.0**	**0.20**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNQ1AC**
		Dilution Factor: 1		Analysis Time..: 18:30		
Uranium	**1.0**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNQ1AD**
		Dilution Factor: 1		Analysis Time..: 18:30		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-16D

General Chemistry

Lot-Sample #...: F7H290265-011 **Work Order #...:** J5VNQ **Matrix.....:** SOLID
Date Sampled...: 07/29/07 13:00 **Date Received..:** 08/28/07
% Moisture.....: 2.2

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.2**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-17S

TOTAL Metals

Lot-Sample #...: F7H290265-012 **Matrix.....:** SOLID
Date Sampled...: 07/29/07 13:30 **Date Received..:** 08/28/07
% Moisture.....: 3.0

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**6.8**	**0.21**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNR1AC**
		Dilution Factor: 1		Analysis Time..: 18:33		
Uranium	**1.4**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNR1AD**
		Dilution Factor: 1		Analysis Time..: 18:33		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-17S

General Chemistry

Lot-Sample #...: F7H290265-012 **Work Order #...:** J5VNR **Matrix.....:** SOLID
Date Sampled...: 07/29/07 13:30 **Date Received..:** 08/28/07
% Moisture.....: 3.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**3.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-17D

TOTAL Metals

Lot-Sample #...: F7H290265-013 **Matrix.....:** SOLID
Date Sampled...: 07/29/07 13:30 **Date Received..:** 08/28/07
% Moisture.....: 3.1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**8.8**	**0.21**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNT1AC**
		Dilution Factor: 1		Analysis Time..: 18:37		
Uranium	**1.0**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNT1AD**
		Dilution Factor: 1		Analysis Time..: 18:37		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-17D

General Chemistry

Lot-Sample #...: F7H290265-013 **Work Order #...:** J5VNT **Matrix.....:** SOLID
Date Sampled...: 07/29/07 13:30 **Date Received..:** 08/28/07
% Moisture.....: 3.1

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**3.1**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-18S

TOTAL Metals

Lot-Sample #...: F7H290265-014 **Matrix.....:** SOLID
Date Sampled...: 07/29/07 14:15 **Date Received..:** 08/28/07
% Moisture.....: 2.8

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**10.3**	**0.21**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNV1AC**
		Dilution Factor: 1		Analysis Time..: 18:41		
Uranium	**1.2**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNV1AD**
		Dilution Factor: 1		Analysis Time..: 18:41		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-18S

General Chemistry

Lot-Sample #...: F7H290265-014 **Work Order #...:** J5VNV **Matrix.....:** SOLID
Date Sampled...: 07/29/07 14:15 **Date Received..:** 08/28/07
% Moisture.....: 2.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.8**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-18D

TOTAL Metals

Lot-Sample #...: F7H290265-015 **Matrix.....:** SOLID
Date Sampled...: 07/29/07 14:15 **Date Received..:** 08/28/07
% Moisture.....: 2.4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**5.6**	**0.20**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNW1AC**
		Dilution Factor: 1		Analysis Time..: 18:44		
Uranium	**1.0**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNW1AD**
		Dilution Factor: 1		Analysis Time..: 18:44		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-18D

General Chemistry

Lot-Sample #...: F7H290265-015 **Work Order #...:** J5VNW **Matrix.....:** SOLID
Date Sampled...: 07/29/07 14:15 **Date Received..:** 08/28/07
% Moisture.....: 2.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.4**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-23S

TOTAL Metals

Lot-Sample #...: F7H290265-016 **Matrix.....:** SOLID
Date Sampled...: 07/29/07 14:45 **Date Received..:** 08/28/07
% Moisture.....: 1.9

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**7.0**	**0.20**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNX1AC**
		Dilution Factor: 1		Analysis Time..: 18:56		
Uranium	**1.0**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VNX1AD**
		Dilution Factor: 1		Analysis Time..: 18:56		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-23S

General Chemistry

Lot-Sample #...: F7H290265-016 **Work Order #...:** J5VNX **Matrix.....:** SOLID
Date Sampled...: 07/29/07 14:45 **Date Received..:** 08/28/07
% Moisture.....: 1.9

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**1.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-23D

TOTAL Metals

Lot-Sample #...: F7H290265-017 **Matrix.....:** SOLID
Date Sampled...: 07/29/07 14:45 **Date Received..:** 08/28/07
% Moisture.....: 2.7

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7256098						
Thorium	**7.8**	**0.21**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VN01AC**
		Dilution Factor: 1		Analysis Time..: 19:00		
Uranium	**1.2**	**0.10**	**mg/kg**	**SW846 6020**	**09/13-09/18/07**	**J5VN01AD**
		Dilution Factor: 1		Analysis Time..: 19:00		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-23D

General Chemistry

Lot-Sample #...: F7H290265-017 **Work Order #...:** J5VN0 **Matrix.....:** SOLID
Date Sampled...: 07/29/07 14:45 **Date Received..:** 08/28/07
% Moisture.....: 2.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.7**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/31-09/01/07**	**7242144**

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: F7H290265 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F7I130000-098 **Prep Batch #...:** 7256098						
Thorium	ND	0.20	mg/kg	SW846 6020	09/13-09/18/07	J6PJT1AA
		Dilution Factor: 1				
		Analysis Time..: 17:26				
Uranium	ND	0.10	mg/kg	SW846 6020	09/13-09/18/07	J6PJT1AC
		Dilution Factor: 1				
		Analysis Time..: 17:26				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F7H290265 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F7I130000-098 **Prep Batch #...:** 7256098					
Thorium	91	(80 - 120)	SW846 6020	09/13-09/18/07	J6PJT1AD
		Dilution Factor: 1	Analysis Time..: 17:30		
Uranium	93	(80 - 120)	SW846 6020	09/13-09/18/07	J6PJT1AE
		Dilution Factor: 1	Analysis Time..: 17:30		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F7H290265 **Matrix.....:** SOLID
Date Sampled...: 07/28/07 09:00 **Date Received..:** 08/28/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7H290265-001 **Prep Batch #...:** 7256098							
						% Moisture.....: 2.8	
Thorium	106	(75 - 125)			SW846 6020	09/13-09/18/07	J5VND1AE
	100	(75 - 125)	5.8	(0-30)	SW846 6020	09/13-09/18/07	J5VND1AF
		Dilution Factor: 1					
		Analysis Time..: 17:37					
Uranium	108	(75 - 125)			SW846 6020	09/13-09/18/07	J5VND1AG
	102	(75 - 125)	5.6	(0-30)	SW846 6020	09/13-09/18/07	J5VND1AH
		Dilution Factor: 1					
		Analysis Time..: 17:37					

NOTE(S):

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

Results and reporting limits have been adjusted for dry weight.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7H290265 **Work Order #...:** J5VN9-SMP J5VN9-DUP **Matrix.....:** SOLID

Date Sampled...: 07/29/07 08:15 **Date Received..:** 08/28/07

% Moisture.....: 1.9

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	F7H290269-003	
	1.9	2.0	%	3.6	(0-30)	MCAWW 160.3 MOD	08/31-09/01/07	7242144

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

LOT #F7H290265

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No._____

☐ 3264 Goni Road / Suite 153
Carson City, NV 89706
775-883-4118 / FAX 775-883-5108

☐ 4425 W. Spring Mountain Road / Suite 225
Las Vegas, NV 89102
702-938-4080 / FAX 702-938-4082

☐ 201 East Washington Street / Suite 500
Phoenix, AZ 85004
602-567-4000 / FAX 602-567-4001

PROJECT NAME: Yerington Mine Site

PROJECT NUMBER: 132039

LABORATORY NAME & ADDRESS:

LINE NO.	SAMPLE – I.D.	COLLECTION DATE	COLLECTION TIME	SAMPLER'S INITIALS	NUMBER OF CONTAINERS	CONTAINER SIZE AND TYPE	PRESER-VATIVE	MATRIX CODE	ANALYSES REQUESTED	FIELD FILTERED	QC REQ	TAT	SAMPLING METHOD	DEPTH (FT.) BEGIN – END	PID READING (ppm)
01	BGS-A1-31S	7/28/07	09:00	PB	1	4oz glass	none	S	U, Th (SW6020B)					----	
02	BGS-A1-31D-1	↓	↓	↓	↓	↓	↓	↓	↓					----	
03	BGS-A1-31D-2	↓	↓	↓	↓	↓	↓	↓	↓					----	
04	BGS-A1-25S	↓	10:45	↓	↓	↓	↓	↓	↓					----	
05	BGS-A1-25D	↓	↓	↓	↓	↓	↓	↓	↓					----	
06	BGS-A1-24S	↓	11:45	↓	↓	↓	↓	↓	↓					----	
07	BGS-A1-24D	↓	↓	↓	↓	↓	↓	↓	↓					----	
08	BGS-A1-19S	↓	13:30	↓	↓	↓	↓	↓	↓					----	
09	BGS-A1-19D	↓	↓	↓	↓	↓	↓	↓	↓					----	
10														----	

COLLECTED & RELEASED BY: Penny Bassett	DATE 8/24/07	TIME 14:00	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: [illegible]	DATE 8/28/07	TIME 09:00	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				Entos Billing
COURIER:			SHIPPING NUMBER:			001KF-0109

DISTRIBUTION: WHITE – PROJECT FILE • CANARY – LAB RECEIPT • PINK – DATA MANAGEMENT • GOLDENROD – FIELD

USE A BALLPOINT PEN, BLACK INK, AND PRESS FIRMLY. INSTRUCTIONS ARE ON THE BACK.

TestAmerica St. Louis

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No._____

☐ 3264 Goni Road / Suite 153
Carson City, NV 89706
775-883-4118 / FAX 775-883-5108

☐ 4425 W. Spring Mountain Road / Suite 225
Las Vegas, NV 89102
702-938-4080 / FAX 702-938-4082

☐ 201 East Washington Street / Suite 500
Phoenix, AZ 85004
602-567-4000 / FAX 602-567-4001

PROJECT NAME: Yerington Mine Site

PROJECT NUMBER: 132039

LABORATORY NAME & ADDRESS:

LINE NO.	SAMPLE - I.D.	COLLECTION DATE	COLLECTION TIME	SAMPLER'S INITIALS	NUMBER OF CONTAINERS	CONTAINER SIZE AND TYPE	PRESERVATIVE	MATRIX CODE	ANALYSES REQUESTED	FIELD FILTERED	QC - REQ	TAT	SAMPLING METHOD	DEPTH (FT.) BEGIN - END	PID READING (ppm)
01	BGS-A1-16S	7/29/07	13:00	PB	1	4oz glass	none	S						----	
02	BGS-A1-16D	↓	↓	↓										----	
03	BGS-A1-17S	↓	13:30	↓										----	
04	BGS-A1-17D	↓	↓	↓										----	
05	BGS-A1-18S	↓	14:15	↓										----	
06	BGS-A1-18D	↓	↓	↓										----	
07	BGS-A1-23S	↓	14:45	↓										----	
08	BGS-A1-23D	↓	↓	↓										----	
09														----	
10														----	

COLLECTED & RELEASED BY: Penny Barnett	DATE 8/24/07	TIME 1400	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: [illegible]	DATE 8/28/07	TIME 0900	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				Enfos Billing
COURIER:			SHIPPING NUMBER:			001KF-0107

DISTRIBUTION: WHITE – PROJECT FILE • CANARY – LAB RECEIPT • PINK – DATA MANAGEMENT • GOLDENROD – FIELD

USE A BALLPOINT PEN, BLACK INK, AND PRESS FIRMLY. INSTRUCTIONS ARE ON THE BACK.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F7H290155- 200- 204- 224- F7H290227- 235- 249- 265

Condition Upon Receipt Form

Client: Brown & Caldwell
Quote No: 76496
COC/RFA No: N/A
Initiated By: BN / BN
Date: 8/28/07
Time: 0905

Shipping Information

Shipper Name: FE
Multiple Packages (Y) N

Shipping # (s):*

1.	7613- 7409-1524	6.	
2.	1546	7.	
3.	1557	8.	
4.		9.	
5.		10.	

Sample Temperature (s):**

1.	Ambient	6.	
2.		7.	
3.		8.	
4.		9.	
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	If N/A- Was pH taken by original TestAmerica lab?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	(Y) N	Sample received in proper containers?
6.	Y (N)	Was sample received broken?	13.	Y N (N/A)	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
7.	(Y) N	Is sample volume sufficient for analysis?	14.	Y N	Was Internal COC/Workshare received?

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

Notes: Custody seals were placed on top of coolers, not at seam.

Samples received out of temp.

Corrective Action:
- ☐ Client Contact Name: _____ Informed by: _____
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: _____ If released, notify: _____

Project Management Review: [signature] Date: 9-5-7

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.

ADMIN-0004, REVISED 08/06/07\\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc