TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

PROJECT NO. SOIL PROJECT

Brown and Caldwell

Lot #: F7H290200

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TESTAMERICA LABORATORIES, INC.

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September 25, 2007

Case Narrative
LOT NUMBER: **F7H290200**

This report contains the analytical results for the 19 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

F7H290200

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

F7H290200

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J5T1H	001	BGS-A1-22S	07/30/07	08:15
J5T1R	002	BGS-A1-22D	07/30/07	08:15
J5T1V	003	BGS-A1-21S-1	07/30/07	09:00
J5T10	004	BGS-A1-21S-2	07/30/07	09:00
J5T14	005	BGS-A1-21D	07/30/07	09:00
J5T15	006	BGS-A1-15S	07/30/07	09:45
J5T2A	007	BGS-A1-15D	07/30/07	09:45
J5T2E	008	BGS-A1-13S	07/30/07	11:00
J5T2H	009	BGS-A1-13D	07/30/07	11:00
J5T2L	010	BGS-A1-26S	07/30/07	13:15
J5T2N	011	BGS-A1-26D	07/30/07	13:15
J5T2R	012	BGS-A1-28S	07/30/07	13:45
J5T2T	013	BGS-A1-28D	07/30/07	13:45
J5T2V	014	BGS-A1-29S	07/30/07	14:15
J5T2W	015	BGS-A1-29D	07/30/07	14:15
J5T21	016	BGS-A1-33S	07/30/07	15:00
J5T26	017	BGS-A1-33D	07/30/07	15:00
J5T3C	018	BGS-A1-34S	07/30/07	15:30
J5T3F	019	BGS-A1-34D	07/30/07	15:30

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-A1-22S

TOTAL Metals

Lot-Sample #...: F7H290200-001 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 08:15 **Date Received..:** 08/28/07
% Moisture.....: 3.6

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**7.7**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T1H1AC**
		Dilution Factor: 1		Analysis Time..: 14:35		
Uranium	**2.4**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T1H1AD**
		Dilution Factor: 1		Analysis Time..: 14:35		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-22S

General Chemistry

Lot-Sample #...: F7H290200-001 **Work Order #...:** J5T1H **Matrix.....:** SOLID
Date Sampled...: 07/30/07 08:15 **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**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-22D

TOTAL Metals

Lot-Sample #...: F7H290200-002 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 08:15 **Date Received..:** 08/28/07
% Moisture.....: 2.9

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**7.9**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T1R1AC**
		Dilution Factor: 1		Analysis Time..: 14:50		
Uranium	**1.2**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T1R1AD**
		Dilution Factor: 1		Analysis Time..: 14:50		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-22D

General Chemistry

Lot-Sample #...: F7H290200-002 **Work Order #...:** J5T1R **Matrix.....:** SOLID
Date Sampled...: 07/30/07 08:15 **Date Received..:** 08/28/07
% Moisture.....: 2.9

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-21S-1

TOTAL Metals

Lot-Sample #...: F7H290200-003 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 09:00 **Date Received..:** 08/28/07
% Moisture.....: 2.0

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**7.0**	**0.20**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T1V1AC**
		Dilution Factor: 1		Analysis Time..: 14:53		
Uranium	**0.96**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T1V1AD**
		Dilution Factor: 1		Analysis Time..: 14:53		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-21S-1

General Chemistry

Lot-Sample #...: F7H290200-003 **Work Order #...:** J5T1V **Matrix.....:** SOLID
Date Sampled...: 07/30/07 09:00 **Date Received..:** 08/28/07
% Moisture.....: 2.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.0**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-21S-2

TOTAL Metals

Lot-Sample #...: F7H290200-004 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 09:00 **Date Received..:** 08/28/07
% Moisture.....: 2.5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**7.2**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T101AC**
		Dilution Factor: 1		Analysis Time..: 14:57		
Uranium	**0.93**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T101AD**
		Dilution Factor: 1		Analysis Time..: 14:57		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-21S-2

General Chemistry

Lot-Sample #...: F7H290200-004 **Work Order #...:** J5T10 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 09:00 **Date Received..:** 08/28/07
% Moisture.....: 2.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.5**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-21D

TOTAL Metals

Lot-Sample #...: F7H290200-005 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 09:00 **Date Received..:** 08/28/07
% Moisture.....: 2.7

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**5.2**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T141AC**
		Dilution Factor: 1		Analysis Time..: 15:01		
Uranium	**1.3**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T141AD**
		Dilution Factor: 1		Analysis Time..: 15:01		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-21D

General Chemistry

Lot-Sample #...: F7H290200-005 **Work Order #...:** J5T14 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 09:00 **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**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-15S

TOTAL Metals

Lot-Sample #...: F7H290200-006 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 09:45 **Date Received..:** 08/28/07
% Moisture.....: 4.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**8.9**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T151AC**
		Dilution Factor: 1		Analysis Time..: 15:04		
Uranium	**1.2**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T151AD**
		Dilution Factor: 1		Analysis Time..: 15:04		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-15S

General Chemistry

Lot-Sample #...: F7H290200-006 **Work Order #...:** J5T15 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 09:45 **Date Received..:** 08/28/07
% Moisture.....: 4.2

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**4.2**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-15D

TOTAL Metals

Lot-Sample #...: F7H290200-007 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 09:45 **Date Received..:** 08/28/07
% Moisture.....: 3.4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**7.9**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2A1AC**
		Dilution Factor: 1		Analysis Time..: 15:08		
Uranium	**1.5**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2A1AD**
		Dilution Factor: 1		Analysis Time..: 15:08		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-15D

General Chemistry

Lot-Sample #...: F7H290200-007 **Work Order #...:** J5T2A **Matrix.....:** SOLID
Date Sampled...: 07/30/07 09:45 **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**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-13S

TOTAL Metals

Lot-Sample #...: F7H290200-008 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 11:00 **Date Received..:** 08/28/07
% Moisture.....: 1.9

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**5.2**	**0.20**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2E1AC**
		Dilution Factor: 1		Analysis Time..: 15:20		
Uranium	**0.83**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2E1AD**
		Dilution Factor: 1		Analysis Time..: 15:20		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-13S

General Chemistry

Lot-Sample #...: F7H290200-008 **Work Order #...:** J5T2E **Matrix.....:** SOLID
Date Sampled...: 07/30/07 11:00 **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**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-13D

TOTAL Metals

Lot-Sample #...: F7H290200-009 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 11:00 **Date Received..:** 08/28/07
% Moisture.....: 2.8

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**11.2**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2H1AC**
		Dilution Factor: 1		Analysis Time..: 15:24		
Uranium	**1.1**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2H1AD**
		Dilution Factor: 1		Analysis Time..: 15:24		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-13D

General Chemistry

Lot-Sample #...: F7H290200-009 **Work Order #...:** J5T2H **Matrix.....:** SOLID
Date Sampled...: 07/30/07 11:00 **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**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-26S

TOTAL Metals

Lot-Sample #...: F7H290200-010 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 13:15 **Date Received..:** 08/28/07
% Moisture.....: 1.9

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**10.6**	**0.20**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2L1AC**
		Dilution Factor: 1		Analysis Time..: 15:27		
Uranium	**1.1**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2L1AD**
		Dilution Factor: 1		Analysis Time..: 15:27		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-26S

General Chemistry

Lot-Sample #...: F7H290200-010 **Work Order #...:** J5T2L **Matrix.....:** SOLID
Date Sampled...: 07/30/07 13:15 **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**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-26D

TOTAL Metals

Lot-Sample #...: F7H290200-011 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 13:15 **Date Received..:** 08/28/07
% Moisture.....: 3.0

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**7.4**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2N1AC**
		Dilution Factor: 1		Analysis Time..: 15:31		
Uranium	**0.89**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2N1AD**
		Dilution Factor: 1		Analysis Time..: 15:31		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-26D

General Chemistry

Lot-Sample #...: F7H290200-011 **Work Order #...:** J5T2N **Matrix.....:** SOLID
Date Sampled...: 07/30/07 13:15 **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**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-28S

TOTAL Metals

Lot-Sample #...: F7H290200-012 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 13:45 **Date Received..:** 08/28/07
% Moisture.....: 3.8

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**13.2**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2R1AC**
		Dilution Factor: 1		Analysis Time..: 15:35		
Uranium	**1.4**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2R1AD**
		Dilution Factor: 1		Analysis Time..: 15:35		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-28S

General Chemistry

Lot-Sample #...: F7H290200-012 **Work Order #...:** J5T2R **Matrix.....:** SOLID
Date Sampled...: 07/30/07 13:45 **Date Received..:** 08/28/07
% Moisture.....: 3.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**3.8**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-28D

TOTAL Metals

Lot-Sample #...: F7H290200-013 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 13:45 **Date Received..:** 08/28/07
% Moisture.....: 2.7

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**10.4**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2T1AC**
		Dilution Factor: 1		Analysis Time..: 15:38		
Uranium	**1.7**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2T1AD**
		Dilution Factor: 1		Analysis Time..: 15:38		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-28D

General Chemistry

Lot-Sample #...: F7H290200-013 **Work Order #...:** J5T2T **Matrix.....:** SOLID
Date Sampled...: 07/30/07 13:45 **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**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-29S

TOTAL Metals

Lot-Sample #...: F7H290200-014 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 14:15 **Date Received..:** 08/28/07
% Moisture.....: 2.5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**7.6**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2V1AC**
		Dilution Factor: 1		Analysis Time..: 15:42		
Uranium	**0.97**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2V1AD**
		Dilution Factor: 1		Analysis Time..: 15:42		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-29S

General Chemistry

Lot-Sample #...: F7H290200-014 **Work Order #...:** J5T2V **Matrix.....:** SOLID
Date Sampled...: 07/30/07 14:15 **Date Received..:** 08/28/07
% Moisture.....: 2.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.5**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-29D

TOTAL Metals

Lot-Sample #...: F7H290200-015 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 14:15 **Date Received..:** 08/28/07
% Moisture.....: 3.9

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**9.6**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2W1AC**
		Dilution Factor: 1		Analysis Time..: 15:45		
Uranium	**1.8**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T2W1AD**
		Dilution Factor: 1		Analysis Time..: 15:45		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-29D

General Chemistry

Lot-Sample #...: F7H290200-015 **Work Order #...:** J5T2W **Matrix.....:** SOLID
Date Sampled...: 07/30/07 14:15 **Date Received..:** 08/28/07
% Moisture.....: 3.9

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**3.9**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-33S

TOTAL Metals

Lot-Sample #...: F7H290200-016 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 15:00 **Date Received..:** 08/28/07
% Moisture.....: 3.4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**10.6**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T211AC**
		Dilution Factor: 1		Analysis Time..: 15:49		
Uranium	**1.7**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T211AD**
		Dilution Factor: 1		Analysis Time..: 15:49		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-33S

General Chemistry

Lot-Sample #...: F7H290200-016 **Work Order #...:** J5T21 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 15:00 **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**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-33D

TOTAL Metals

Lot-Sample #...: F7H290200-017 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 15:00 **Date Received..:** 08/28/07
% Moisture.....: 3.8

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**11.6**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T261AC**
		Dilution Factor: 1		Analysis Time..: 15:53		
Uranium	**3.9**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T261AD**
		Dilution Factor: 1		Analysis Time..: 15:53		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-33D

General Chemistry

Lot-Sample #...: F7H290200-017 **Work Order #...:** J5T26 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 15:00 **Date Received..:** 08/28/07
% Moisture.....: 3.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**3.8**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-34S

TOTAL Metals

Lot-Sample #...: F7H290200-018 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 15:30 **Date Received..:** 08/28/07
% Moisture.....: 6.3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**7.6**	**0.21**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T3C1AC**
		Dilution Factor: 1		Analysis Time..: 16:05		
Uranium	**0.92**	**0.11**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T3C1AD**
		Dilution Factor: 1		Analysis Time..: 16:05		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-34S

General Chemistry

Lot-Sample #...: F7H290200-018 **Work Order #...:** J5T3C **Matrix.....:** SOLID
Date Sampled...: 07/30/07 15:30 **Date Received..:** 08/28/07
% Moisture.....: 6.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**6.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/30-08/31/07**	**7242124**

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

TestAmerica Irvine

Client Sample ID: BGS-A1-34D

TOTAL Metals

Lot-Sample #...: F7H290200-019 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 15:30 **Date Received..:** 08/28/07
% Moisture.....: 2.3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7250058						
Thorium	**9.4**	**0.20**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T3F1AC**
		Dilution Factor: 1		Analysis Time..: 16:08		
Uranium	**1.3**	**0.10**	**mg/kg**	**SW846 6020**	**09/20-09/21/07**	**J5T3F1AD**
		Dilution Factor: 1		Analysis Time..: 16:08		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Irvine

Client Sample ID: BGS-A1-34D

General Chemistry

Lot-Sample #...: F7H290200-019 **Work Order #...:** J5T3F **Matrix.....:** SOLID
Date Sampled...: 07/30/07 15:30 **Date Received..:** 08/28/07
% Moisture.....: 2.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	**2.3**	**0.10**	**%**	**MCAWW 160.3 MOD**	**08/30-08/31/07**	**7242124**

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: F7H290200 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F7I070000-058 **Prep Batch #...:** 7250058						
Thorium	ND	0.20	mg/kg	SW846 6020	09/20-09/21/07	J6CWC1AA
		Dilution Factor: 1				
		Analysis Time..: 14:19				
Uranium	ND	0.10	mg/kg	SW846 6020	09/20-09/21/07	J6CWC1AC
		Dilution Factor: 1				
		Analysis Time..: 14:19				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F7H290200 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: F7I070000-058 **Prep Batch #...:** 7250058					
Thorium	98	(80 - 120)	SW846 6020	09/20-09/21/07	J6CWC1AD
		Dilution Factor: 1	Analysis Time..: 14:23		
Uranium	99	(80 - 120)	SW846 6020	09/20-09/21/07	J6CWC1AE
		Dilution Factor: 1	Analysis Time..: 14:23		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F7H290200 **Matrix.....:** SOLID
Date Sampled...: 07/30/07 08:15 **Date Received..:** 08/28/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F7H290200-001 **Prep Batch #...:** 7250058							
						% Moisture.....: 3.6	
Thorium	103	(75 - 125)			SW846 6020	09/20-09/21/07	J5T1H1AE
	113	(75 - 125)	8.7	(0-30)	SW846 6020	09/20-09/21/07	J5T1H1AF
		Dilution Factor: 1					
		Analysis Time..: 14:42					
Uranium	103	(75 - 125)			SW846 6020	09/20-09/21/07	J5T1H1AG
	107	(75 - 125)	3.4	(0-30)	SW846 6020	09/20-09/21/07	J5T1H1AH
		Dilution Factor: 1					
		Analysis Time..: 14:42					

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 #...: F7H290200 **Work Order #...:** J5T3F-SMP J5T3F-DUP **Matrix.....:** SOLID

Date Sampled...: 07/30/07 15:30 **Date Received..:** 08/28/07

% Moisture.....: 2.3

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture						SD Lot-Sample #:	F7H290200-019	
	2.3	2.2	%	5.3	(0-30)	MCAWW 160.3 MOD	08/30-08/31/07	7242124

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

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-A1-22S	7/30/07	08:15	BB	1	4oz glass	none	S	U, Th (SW6020)		M			----	
02	BGS-A1-22D													----	
03	BGS-A1-21S-1		09:00											----	
04	BGS-A1-21S-2													----	
05	BGS-A1-21D													----	
06	BGS-A1-15S		09:45											----	
07	BGS-A1-15D													----	
08	BGS-A1-13S		11:00											----	
09	BGS-A1-13D													----	
10														----	

COLLECTED & RELEASED BY:	DATE 8/24/07	TIME 11:00	COOLER I.D.:		COMMENTS (see note on back):
RECEIVED BY: 08:28	DATE 07	TIME 09:00	RELINQUISHED BY:	DATE / /	TIME :
RECORD RETURNED BY:	DATE / /	TIME :			Enfos Billing
COURIER:			SHIPPING NUMBER:		001 KE-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.

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-A1-26S	7/30/07	13:15	BB	1	9oz	none	S	U, TH (SW6020)					----	
02	BGS-A1-26D		↓											----	
03	BGS-A1-28S		13:45											----	
04	BGS-A1-28D		↓											----	
05	BGS-A1-29S		14:15											----	
06	BGS-A1-29D		14:15											----	
07	BGS-A1-33S		15:00											----	
08	BGS-A1-33D		↓											----	
09	BGS-A1-34DS		15:30											----	
10	BGS-A1-34D		↓											----	

COLLECTED & RELEASED BY:	DATE 8/24/07	TIME 11:00	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: 08.28.07	DATE	TIME 0900	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				Enfos Billing
COURIER:			SHIPPING NUMBER:			001 KF-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
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F7H290155- F7H290227, 264
200- 235-
206- 249-
214- 265

Condition Upon Receipt Form

Client: Brown & Caldwell COC/RFA No: N/A Date: 8/28/07
Quote No: 76496 Initiated By: BN/BD Time: 0900

Shipping Information

Shipper Name: FE Multiple Packages (Y) N

Shipping # (s):*
1. 7413- 7409-1524
2. 1546
3. 1557
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**
1. Ambient
2. 1
3.
4.
5.
6.
7.
8.
9.
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: Date: 8-31-7

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.