K P R G

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

SUMMARY REPORT

September 8, 2015

Ms. Sharene Shealey
Midwest Generation, LLC
529 E. 135th Street
Romeoville, IL 60466

VIA E-Mail

KPRG Project No. 16714.1

Re: CCB Determination Support, Midwest Generation Will County Station

Dear Ms. Shealey:

KPRG and Associates, Inc. (KPRG) is pleased to provide this summary letter report with regard to evaluating whether coal ash formerly deposited at the Midwest Generation Will County Station can be classified as Coal Combustion Byproduct (CCB). This letter report provides a brief summary of the project objective, documents the work performed by KPRG, and summarizes the analytical data along with statistical analysis and interpretation of the data. Each item is discussed separately below.

PROJECT OBJECTIVE

The project objective was to develop a data set to evaluate the potential for classifying this material as CCB for beneficial reuse relative to the regulatory criteria set forth in 415 ILSC 5/3.135 (formerly 415 ILSC 5/3.94) a-5(B) which states that: "CCB shall not exceed Class I Groundwater Standards for metals when tested utilizing test method ASTM D3987-85. The sample or samples tested shall be representative of the CCB being considered for use."

DOCUMENTATION OF FIELD ACTIVITIES

KPRG mobilized technical personnel and a geoprobe contractor to the site. A 4 by 7 grid (each grid was 25 feet square) was established over the study area resulting in the potential for 28 samples. The grid was labeled with A, B, C and D along one side and numbers 1 through 7 along the other, resulting in grid nomenclature of A1, B1, C1 and so on through D7. However, due to the irregular boundary of the material, a subtotal of 20 grids were utilized for sample collection. One geoprobe boring was advanced within the

center of each of these 20 grids. Approximate geoprobe drilling locations are shown on Figure 1.

Geoprobe borings were advanced at each marked location through the ash/slag deposits to the top of bedrock (dolomite). Continuous sample cores were obtained, visually logged and screened in the field for total organic vapors using a photoionization detector (PID). It is noted that no PID readings were measured in any of the borings.

One composite sample was collected from each boring from the entire vertical profile and placed into a plastic bag for mixing. Once thoroughly mixed/composited, an appropriate sample aliquot was placed into a laboratory prepared container for analysis of Neutral Leach Extraction Test (NLET; method ASTM D3987-85) metals and stored on ice for delivery to the laboratory.

Once drilling was completed at a particular location, the boring was backfilled with any remaining sample core along with granular bentonite to the ground surface.

The samples were delivered to TestAmerica Laboratories in University Park, Illinois under a properly completed chain-of-custody for chemical analysis.

DATA PRESENTATION AND STATISTICAL ANALYSIS

The NLET metals analyses are summarized in Table 1 along with the Class I groundwater standards for comparison. The "non-detects" reported on the lab sheets in Attachment 1 are recorded as "less than the method detection limit" in Table 1. A review of the data set indicates that there were no detections higher than any Class I drinking water standard for these metals.

Statistical analyses were subsequently performed on the entire population of 20 samples. A review of the data indicates that there were no detections of antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, lead, manganese, mercury, molybdenum, nickel, potassium, selenium, silver, thallium or zinc in the leachate from any of the samples analyzed. The method detection limits (MDLs) for these compounds were all substantially below the Class I groundwater standards. Therefore, for these compounds, it can be confidently said that there are no exceedances associated with the tested materials.

Relative to the remaining compounds (boron, iron and sodium), the data set was first evaluated for normality by the calculation of the arithmetic mean, standard deviation and the coefficient of variance (CV). For the purposes of this evaluation, all "non-detect" values were assigned a value of one-half the MDL which is an accepted method for handling censored or non-detect values within a data set (Gilbert, 1987). The formulas used for the statistical calculations are provided in Attachment 2 and the initial results are tabulated in Table 2. In general, if CV is less than or equal to 1, then the data set is considered "normal" and as a rule of thumb if the CV is between 1 and 1.2, then the

arithmetic mean and standard deviation is still an adequate estimator for the data set (Gilbert, 1987; Koch and Link, 1980). Any values of CV above 1.2 indicate that the data set is not normal and an alternate statistical evaluation must be considered to estimate the mean and standard deviation.

A review of the initial statistical evaluations in Table 2 indicates that the data set for all metals are normal and that the arithmetic mean is a good estimator of the true mean of the concentration of these compounds in the leachate.

Subsequent calculation of the standard error and the 95% Upper Confidence Limit (UCL; assuming a one-tailed distribution since we are only concerned about a regulatory exceedance) was performed for each parameter. The 95% UCL provides the 95% probability that the true mean of the data set is less than the calculated value. The results are included in Table 2. A review of the table indicates that none of the calculated means and 95% UCLs are above the Class I groundwater standards for those compounds.

The next step in the statistical evaluation process was to determine whether the sample size was sufficient to support the above statistics. This was accomplished by calculating a Lambda (λ) value which is a function of the regulatory threshold concentration (in this case the Class I groundwater standard for each parameter), the mean and the standard deviation (see equation in Attachment 2). The λ value is then entered into the statistical table included in Attachment 2 to estimate the sample size that would be required to assure a valid statistical representation. To obtain the appropriate sample size from the table of λ values, the single-sided value with the α and β errors set at 0.05 was used. The α error is the probability of rejecting a true hypothesis (in this case this probability was set at 5%); the hypothesis being that the true mean is less than the regulatory threshold. The β error is the probability of accepting a false hypothesis. The number of samples obtained from the λ table required for a valid data set for each of the parameters being evaluated is included in Table 2. A review of the results indicate that the existing data set of 20 values is sufficient to adequately characterize the materials sampled.

CONCLUSIONS

Based on the data and statistical analysis discussed above, the following conclusions are provided:

- The ash deposits are consistent and homogenous consisting bottom ash/slag from the coal combustion process.
- There were no outlier samples, and all samples collected were used in the calculations.
- The NLET metals data from the 20 sample locations indicate with a high degree of statistical certainty that the criteria established in 415 ILSC 5/3.135 (formerly 415 ILSC 5/3.94) a-5(B) are met and that the material may be considered CCB relative to this criterion for engineering/beneficial reuse.
- The data set is sufficiently large to support the statistical evaluations based on the variance and specific regulatory threshold relationships.

KPRG appreciates the opportunity for providing our technical services. If there are any questions, please contact me at 262-781-0475.

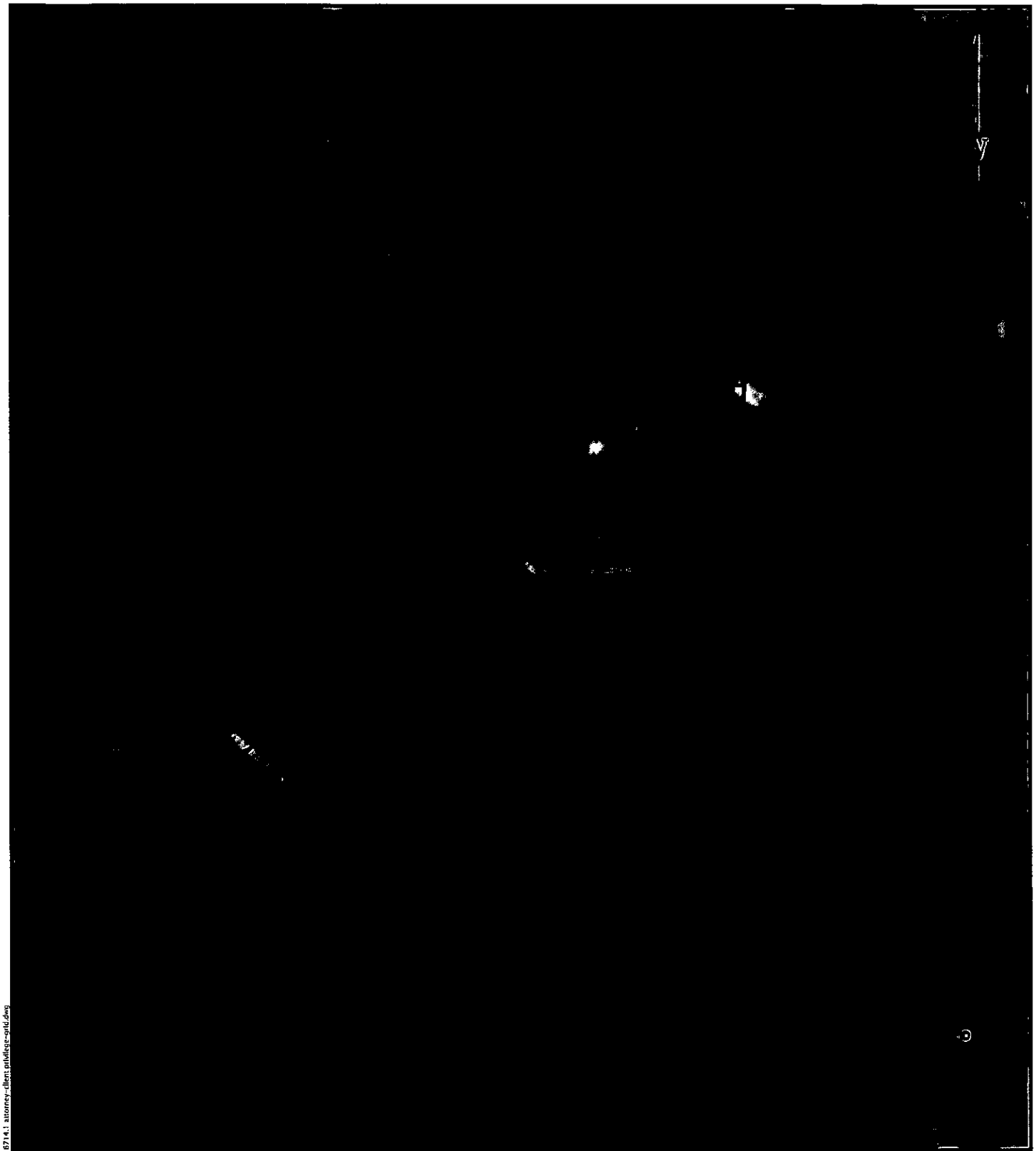
Sincerely,
KPRG and Associates, Inc.

Richard R Gnat

Richard R. Gnat, P.G.
Principal

Patrick Allenstein, P.G.
Project Manager/Senior Geologist

cc: Kristen Gale, Nijman Franzetti, LLP



ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G

KPRG and Associates, inc.

14665 West Lisbon Road, Suite 2B Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478

414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593

SAMPLING GRID

WILL COUNTY STATION
ROMEOVILLE, ILLINOIS

Scale: 1" = 30'

Date: August 31, 2015

KPRG Project No. 16714.1

FIGURE 1

MW613-15_49569

Table 1. Sampling Analytical Results for Detected Neutral Leachable Metals - CCB Sampling, Will County Station

Boring Name Sample Date	IEPA Class I GW Standard	A2 6/9/2015	A3 6/9/2015	A4 6/9/2015	A5 6/9/2015	B1 6/9/2015	B2 8/5/2015	B3 8/5/2015	B4 8/5/2015	B5 8/5/2015	B6 8/5/2015
Boron	2.00	0.20	0.16	0.16	0.16	0.24	<0.1	<0.1	<0.1	<0.1	0.12
Iron	5.00	<0.2	<0.2	0.30	0.21	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Sodium	NS	14	7.6	6.4	6.4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Boring Name Sample Date	IEPA Class I GW Standard	B7 8/5/2015	C2 6/9/2015	C3 6/9/2015	C4 6/9/2015	C5 6/9/2015	C6 6/9/2015	C7 6/9/2015	D5 6/9/2015	D6 6/9/2015	D7 6/9/2015
Boron	2.00	0.16	0.15	<0.1	0.15	<0.1	<0.1	<0.1	<0.1	0.12	0.13
Iron	5.00	<0.2	<0.2	<0.2	<0.2	0.24	0.42	<0.2	0.22	0.47	<0.2
Sodium	NS	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Notes: All values are in mg/L
NS - No Standard
BOLD - Exceeds the Class I Groundwater standard

Table 1. Sampling Analytical Results for Detected Neutral Leachable Metals - CCB Sampling, Will County Station

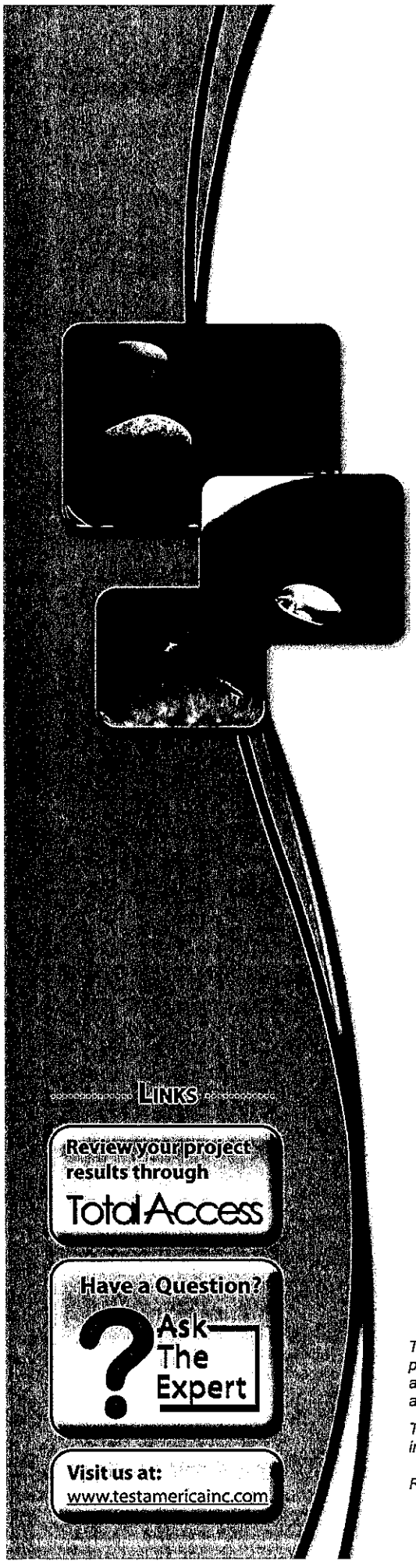
Boring Name Sample Date	IEPA Class I GW Standard	A2 6/9/2015	A3 6/9/2015	A4 6/9/2015	A5 6/9/2015	B1 6/9/2015	B2 8/5/2015	B3 8/5/2015	B4 8/5/2015	B5 8/5/2015	B6 8/5/2015
Boron	2.00	0.20	0.16	0.16	0.16	0.24	<0.1	<0.1	<0.1	<0.1	0.12
Iron	5.00	<0.2	<0.2	0.30	0.21	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Sodium	NS	14	7.6	6.4	6.4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Boring Name Sample Date	IEPA Class I GW Standard	B7 8/5/2015	C2 6/9/2015	C3 6/9/2015	C4 6/9/2015	C5 6/9/2015	C6 6/9/2015	C7 6/9/2015	D5 6/9/2015	D6 6/9/2015	D7 6/9/2015
Boron	2.00	0.16	0.15	<0.1	0.15	<0.1	<0.1	<0.1	<0.1	0.12	0.13
Iron	5.00	<0.2	<0.2	<0.2	<0.2	0.24	0.42	<0.2	0.22	0.47	<0.2
Sodium	NS	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Notes: All values are in mg/L
NS - No Standard
BOLD - Exceeds the Class I Groundwater standard

ATTACHMENT 1

Laboratory Analytical Reports



LINKS

Review your project results through TotalAccess

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-97217-1
Client Project/Site: Confidential

For:
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 2B
Brookfield, Wisconsin 53005

Attn: Richard Gnat

Bonnie Stadelmann

Authorized for release by:
6/24/2015 3:22:08 PM

Bonnie Stadelmann, Senior Project Manager
(708)534-5200
bonnie.stadelmann@testamericainc.com

Table of Contents

Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Job ID: 500-97217-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-97217-1

Comments
No additional comments.

Receipt
The samples were received on 6/11/2015 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 9.4° C.

Receipt Exceptions

The following sample(s) was received at the laboratory outside the required temperature criteria: 9.4C.

6-11-2015 Per client, proceed with analysis.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method(s) 6010B: The continuing calibration verifications (CCV's) associated with batch 500-292053 recovered above the upper control limit for Zinc. The samples associated with these CCV's were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: A2 (500-97217-1), A3 (500-97217-2), A4 (500-97217-3), A5 (500-97217-4), C2 (500-97217-5), C3 (500-97217-6), C4 (500-97217-7), C5 (500-97217-8), C6 (500-97217-9), C7 (500-97217-10), D5 (500-97217-11), D6 (500-97217-12), D7 (500-97217-13), B1 (500-97217-14), Protocol 1 (500-97217-15), (500-97217-A-1-C DU), (500-97217-A-1-D MS) and (500-97217-A-1-B SD ^).

Method(s) 6010B: The continuing calibration verification (CCV) at line 57 associated with batch 500-292053 recovered above the upper control limit for Nickel. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: C6 (500-97217-9), C7 (500-97217-10), D5 (500-97217-11), D6 (500-97217-12), D7 (500-97217-13) and B1 (500-97217-14).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Client Sample ID: A2 — Lab Sample ID: 500-97217-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.20		0.10		mg/L	1		6010B	ASTM Leach
Sodium	14		5.0		mg/L	1		6010B	ASTM Leach

Client Sample ID: A3 — Lab Sample ID: 500-97217-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.16		0.10		mg/L	1		6010B	ASTM Leach
Sodium	7.6		5.0		mg/L	1		6010B	ASTM Leach

Client Sample ID: A4 — Lab Sample ID: 500-97217-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.16		0.10		mg/L	1		6010B	ASTM Leach
Iron	0.30		0.20		mg/L	1		6010B	ASTM Leach
Sodium	6.4		5.0		mg/L	1		6010B	ASTM Leach

Client Sample ID: A5 — Lab Sample ID: 500-97217-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.16		0.10		mg/L	1		6010B	ASTM Leach
Iron	0.21		0.20		mg/L	1		6010B	ASTM Leach
Sodium	6.4		5.0		mg/L	1		6010B	ASTM Leach

Client Sample ID: C2 — Lab Sample ID: 500-97217-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.15		0.10		mg/L	1		6010B	ASTM Leach

Client Sample ID: C3 — Lab Sample ID: 500-97217-6

No Detections.

Client Sample ID: C4 — Lab Sample ID: 500-97217-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.15		0.10		mg/L	1		6010B	ASTM Leach

Client Sample ID: C5 — Lab Sample ID: 500-97217-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.24		0.20		mg/L	1		6010B	ASTM Leach

Client Sample ID: C6 — Lab Sample ID: 500-97217-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.42		0.20		mg/L	1		6010B	ASTM Leach

Client Sample ID: C7 — Lab Sample ID: 500-97217-10

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Client Sample ID: D5 — Lab Sample ID: 500-97217-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.22		0.20		mg/L	1		6010B	ASTM Leach

Client Sample ID: D6 — Lab Sample ID: 500-97217-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.12		0.10		mg/L	1		6010B	ASTM Leach
Iron	0.47		0.20		mg/L	1		6010B	ASTM Leach

Client Sample ID: D7 — Lab Sample ID: 500-97217-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.13		0.10		mg/L	1		6010B	ASTM Leach

Client Sample ID: B1 — Lab Sample ID: 500-97217-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.24		0.10		mg/L	1		6010B	ASTM Leach

Client Sample ID: Protocol 1 — Lab Sample ID: 500-97217-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.83		0.50		mg/L	1		6010B	TCLP
Flashpoint	>176		40.0		Degrees F	1		1010A	Total/NA
pH	6.99		0.200		SU	1		9045C	Total/NA
Paint Filter	pass				No Unit	1		9095A	Total/NA
Specific Gravity	1.33				NONE	1		SM 2710F	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CHI
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
1010A	Ignitability, Pensky-Martens Closed Cup Method	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL CHI
9045C	pH	SW846	TAL CHI
9095A	Paint Filter	SW846	TAL CHI
9251	Chlorine, Total	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL CHI
SM 2710F	Specific Gravity, Density	SM	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-97217-1	A2	Solid	06/09/15 10:20	06/11/15 10:15
500-97217-2	A3	Solid	06/09/15 10:30	06/11/15 10:15
500-97217-3	A4	Solid	06/09/15 10:40	06/11/15 10:15
500-97217-4	A5	Solid	06/09/15 10:50	06/11/15 10:15
500-97217-5	C2	Solid	06/09/15 12:10	06/11/15 10:15
500-97217-6	C3	Solid	06/09/15 12:00	06/11/15 10:15
500-97217-7	C4	Solid	06/09/15 11:55	06/11/15 10:15
500-97217-8	C5	Solid	06/09/15 11:50	06/11/15 10:15
500-97217-9	C6	Solid	06/09/15 11:05	06/11/15 10:15
500-97217-10	C7	Solid	06/09/15 10:55	06/11/15 10:15
500-97217-11	D5	Solid	06/09/15 11:40	06/11/15 10:15
500-97217-12	D6	Solid	06/09/15 11:35	06/11/15 10:15
500-97217-13	D7	Solid	06/09/15 11:25	06/11/15 10:15
500-97217-14	B1	Solid	06/09/15 12:20	06/11/15 10:15
500-97217-15	Protocol 1	Solid	06/09/15 13:00	06/11/15 10:15

Client Sample ID: A2
Date Collected: 06/09/15 10:20
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-1
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:14	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:14	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 22:14	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 22:14	1
Boron	**0.20**		0.10		mg/L		06/14/15 14:10	06/15/15 22:14	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 22:14	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:14	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:14	1
Iron	<0.20		0.20		mg/L		06/14/15 14:10	06/15/15 22:14	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 18:01	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:14	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:14	1
Nickel	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:14	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 22:14	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:14	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:14	1
Sodium	**14**		5.0		mg/L		06/14/15 14:10	06/15/15 22:14	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 22:14	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 22:14	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 09:34	1

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Client Sample ID: A3
Date Collected: 06/09/15 10:30
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-2
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:38	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:38	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 22:38	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 22:38	1
Boron	**0.16**		0.10		mg/L		06/14/15 14:10	06/15/15 22:38	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 22:38	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:38	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:38	1
Iron	<0.20		0.20		mg/L		06/14/15 14:10	06/15/15 22:38	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 18:41	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:38	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:38	1
Nickel	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:38	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 22:38	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:38	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:38	1
Sodium	**7.6**		5.0		mg/L		06/14/15 14:10	06/15/15 22:38	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 22:38	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 22:38	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 09:36	1

Client Sample ID: A4
Date Collected: 06/09/15 10:40
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-3
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:42	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:42	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 22:42	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 22:42	1
Boron	**0.16**		0.10		mg/L		06/14/15 14:10	06/15/15 22:42	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 22:42	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:42	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:42	1
Iron	**0.30**		0.20		mg/L		06/14/15 14:10	06/15/15 22:42	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 18:47	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:42	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:42	1
Nickel	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:42	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 22:42	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:42	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:42	1
Sodium	**6.4**		5.0		mg/L		06/14/15 14:10	06/15/15 22:42	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 22:42	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 22:42	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 09:42	1

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Client Sample ID: A5
Date Collected: 06/09/15 10:50
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-4
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:46	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:46	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 22:46	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 22:46	1
Boron	**0.16**		0.10		mg/L		06/14/15 14:10	06/15/15 22:46	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 22:46	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:46	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:46	1
Iron	**0.21**		0.20		mg/L		06/14/15 14:10	06/15/15 22:46	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 18:53	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:46	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:46	1
Nickel	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:46	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 22:46	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:46	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:46	1
Sodium	**6.4**		5.0		mg/L		06/14/15 14:10	06/15/15 22:46	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 22:46	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 22:46	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 09:44	1

Client Sample ID: C2
Date Collected: 06/09/15 12:10
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-5
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:50	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:50	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 22:50	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 22:50	1
Boron	**0.15**		0.10		mg/L		06/14/15 14:10	06/15/15 22:50	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 22:50	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:50	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:50	1
Iron	<0.20		0.20		mg/L		06/14/15 14:10	06/15/15 22:50	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 18:59	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:50	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:50	1
Nickel	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:50	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 22:50	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:50	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:50	1
Sodium	<5.0		5.0		mg/L		06/14/15 14:10	06/15/15 22:50	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 22:50	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 22:50	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 09:46	1

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Client Sample ID: C3
Date Collected: 06/09/15 12:00
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-6
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:54	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:54	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 22:54	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 22:54	1
Boron	<0.10		0.10		mg/L		06/14/15 14:10	06/15/15 22:54	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 22:54	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:54	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:54	1
Iron	<0.20		0.20		mg/L		06/14/15 14:10	06/15/15 22:54	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 19:06	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:54	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:54	1
Nickel	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:54	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 22:54	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:54	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:54	1
Sodium	<5.0		5.0		mg/L		06/14/15 14:10	06/15/15 22:54	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 22:54	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 22:54	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 09:52	1

Client Sample ID: C4
Date Collected: 06/09/15 11:55
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-7
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:59	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:59	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 22:59	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 22:59	1
Boron	**0.15**		0.10		mg/L		06/14/15 14:10	06/15/15 22:59	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 22:59	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:59	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:59	1
Iron	<0.20		0.20		mg/L		06/14/15 14:10	06/15/15 22:59	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 19:12	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:59	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:59	1
Nickel	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:59	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 22:59	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:59	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:59	1
Sodium	<5.0		5.0		mg/L		06/14/15 14:10	06/15/15 22:59	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 22:59	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 22:59	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 09:54	1

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Client Sample ID: C5
Date Collected: 06/09/15 11:50
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-8
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:03	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:03	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 23:03	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 23:03	1
Boron	<0.10		0.10		mg/L		06/14/15 14:10	06/15/15 23:03	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 23:03	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:03	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:03	1
Iron	**0.24**		0.20		mg/L		06/14/15 14:10	06/15/15 23:03	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 19:18	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:03	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:03	1
Nickel	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:03	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 23:03	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:03	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:03	1
Sodium	<5.0		5.0		mg/L		06/14/15 14:10	06/15/15 23:03	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 23:03	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 23:03	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 09:56	1

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Client Sample ID: C6
Date Collected: 06/09/15 11:05
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-9
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:14	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:14	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 23:14	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 23:14	1
Boron	<0.10		0.10		mg/L		06/14/15 14:10	06/15/15 23:14	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 23:14	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:14	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:14	1
Iron	**0.42**		0.20		mg/L		06/14/15 14:10	06/15/15 23:14	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 19:24	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:14	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:14	1
Nickel	<0.025	^	0.025		mg/L		06/14/15 14:10	06/15/15 23:14	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 23:14	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:14	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:14	1
Sodium	<5.0		5.0		mg/L		06/14/15 14:10	06/15/15 23:14	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 23:14	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 23:14	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 09:58	1

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Client Sample ID: C7
Date Collected: 06/09/15 10:55
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-10
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:18	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:18	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 23:18	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 23:18	1
Boron	<0.10		0.10		mg/L		06/14/15 14:10	06/15/15 23:18	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 23:18	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:18	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:18	1
Iron	<0.20		0.20		mg/L		06/14/15 14:10	06/15/15 23:18	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 19:31	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:18	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:18	1
Nickel	<0.025	^	0.025		mg/L		06/14/15 14:10	06/15/15 23:18	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 23:18	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:18	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:18	1
Sodium	<5.0		5.0		mg/L		06/14/15 14:10	06/15/15 23:18	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 23:18	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 23:18	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 10:00	1

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Client Sample ID: D5
Date Collected: 06/09/15 11:40
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-11
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:22	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:22	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 23:22	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 23:22	1
Boron	<0.10		0.10		mg/L		06/14/15 14:10	06/15/15 23:22	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 23:22	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:22	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:22	1
Iron	**0.22**		0.20		mg/L		06/14/15 14:10	06/15/15 23:22	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 19:52	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:22	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:22	1
Nickel	<0.025	^	0.025		mg/L		06/14/15 14:10	06/15/15 23:22	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 23:22	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:22	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:22	1
Sodium	<5.0		5.0		mg/L		06/14/15 14:10	06/15/15 23:22	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 23:22	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 23:22	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 10:02	1

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Client Sample ID: D6
Date Collected: 06/09/15 11:35
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-12
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:26	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:26	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 23:26	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 23:26	1
Boron	**0.12**		0.10		mg/L		06/14/15 14:10	06/15/15 23:26	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 23:26	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:26	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:26	1
Iron	**0.47**		0.20		mg/L		06/14/15 14:10	06/15/15 23:26	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 19:58	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:26	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:26	1
Nickel	<0.025	^	0.025		mg/L		06/14/15 14:10	06/15/15 23:26	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 23:26	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:26	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:26	1
Sodium	<5.0		5.0		mg/L		06/14/15 14:10	06/15/15 23:26	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 23:26	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 23:26	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 10:04	1

Client Sample ID: D7
Date Collected: 06/09/15 11:25
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-13
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:30	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:30	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 23:30	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 23:30	1
Boron	**0.13**		0.10		mg/L		06/14/15 14:10	06/15/15 23:30	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 23:30	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:30	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:30	1
Iron	<0.20		0.20		mg/L		06/14/15 14:10	06/15/15 23:30	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 20:04	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:30	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:30	1
Nickel	<0.025	^	0.025		mg/L		06/14/15 14:10	06/15/15 23:30	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 23:30	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:30	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:30	1
Sodium	<5.0		5.0		mg/L		06/14/15 14:10	06/15/15 23:30	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 23:30	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 23:30	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 10:06	1

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Client Sample ID: B1
Date Collected: 06/09/15 12:20
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-14
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:34	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:34	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 23:34	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 23:34	1
Boron	**0.24**		0.10		mg/L		06/14/15 14:10	06/15/15 23:34	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 23:34	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:34	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:34	1
Iron	<0.20		0.20		mg/L		06/14/15 14:10	06/15/15 23:34	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 20:10	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:34	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:34	1
Nickel	<0.025	^	0.025		mg/L		06/14/15 14:10	06/15/15 23:34	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 23:34	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 23:34	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 23:34	1
Sodium	<5.0		5.0		mg/L		06/14/15 14:10	06/15/15 23:34	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 23:34	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 23:34	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 10:08	1

Client Sample ID: Protocol 1
Date Collected: 06/09/15 13:00
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-15
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020		mg/L			06/18/15 15:56	20
Carbon tetrachloride	<0.020		0.020		mg/L			06/18/15 15:56	20
Chlorobenzene	<0.020		0.020		mg/L			06/18/15 15:56	20
Chloroform	<0.020		0.020		mg/L			06/18/15 15:56	20
1,2-Dichloroethane	<0.020		0.020		mg/L			06/18/15 15:56	20
1,1-Dichloroethene	<0.020		0.020		mg/L			06/18/15 15:56	20
Methyl Ethyl Ketone	<0.10		0.10		mg/L			06/18/15 15:56	20
Tetrachloroethene	<0.020		0.020		mg/L			06/18/15 15:56	20
Trichloroethene	<0.020		0.020		mg/L			06/18/15 15:56	20
Vinyl chloride	<0.020		0.020		mg/L			06/18/15 15:56	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*75 - 120*		*06/18/15 15:56*	*20*
Dibromofluoromethane	*93*		*75 - 120*		*06/18/15 15:56*	*20*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 125*		*06/18/15 15:56*	*20*
Toluene-d8 (Surr)	*100*		*75 - 120*		*06/18/15 15:56*	*20*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.020		0.020		mg/L		06/16/15 10:52	06/16/15 22:21	1
2,4-Dinitrotoluene	<0.010		0.010		mg/L		06/16/15 10:52	06/16/15 22:21	1
Hexachlorobenzene	<0.0050		0.0050		mg/L		06/16/15 10:52	06/16/15 22:21	1
Hexachlorobutadiene	<0.050		0.050		mg/L		06/16/15 10:52	06/16/15 22:21	1
Hexachloroethane	<0.050		0.050		mg/L		06/16/15 10:52	06/16/15 22:21	1
2-Methylphenol	<0.020		0.020		mg/L		06/16/15 10:52	06/16/15 22:21	1
3 & 4 Methylphenol	<0.020		0.020		mg/L		06/16/15 10:52	06/16/15 22:21	1
Nitrobenzene	<0.010		0.010		mg/L		06/16/15 10:52	06/16/15 22:21	1
Pentachlorophenol	<0.20		0.20		mg/L		06/16/15 10:52	06/16/15 22:21	1
Pyridine	<0.20		0.20		mg/L		06/16/15 10:52	06/16/15 22:21	1
2,4,5-Trichlorophenol	<0.10		0.10		mg/L		06/16/15 10:52	06/16/15 22:21	1
2,4,6-Trichlorophenol	<0.050		0.050		mg/L		06/16/15 10:52	06/16/15 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*48 - 110*	*06/16/15 10:52*	*06/16/15 22:21*	*1*
2-Fluorophenol (Surr)	*39*		*20 - 100*	*06/16/15 10:52*	*06/16/15 22:21*	*1*
Nitrobenzene-d5 (Surr)	*85*		*41 - 110*	*06/16/15 10:52*	*06/16/15 22:21*	*1*
Phenol-d5 (Surr)	*29*		*20 - 100*	*06/16/15 10:52*	*06/16/15 22:21*	*1*
Terphenyl-d14 (Surr)	*104*		*44 - 132*	*06/16/15 10:52*	*06/16/15 22:21*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*50 - 129*	*06/16/15 10:52*	*06/16/15 22:21*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 21:01	1
Barium	**0.83**		0.50		mg/L		06/14/15 14:10	06/15/15 21:01	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 21:01	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 21:01	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 21:01	1
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 16:23	1
Nickel	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 21:01	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 21:01	1

Client Sample ID: Protocol 1
Date Collected: 06/09/15 13:00
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-15
Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 21:01	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 21:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 10:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>176**		40.0		Degrees F			06/11/15 15:50	1
Cyanide, Total	<0.48		0.48		mg/Kg		06/15/15 20:05	06/15/15 22:16	1
Sulfide	<10	F1	10		mg/Kg		06/16/15 10:12	06/16/15 12:30	1
pH	**6.99**		0.200		SU			06/12/15 13:20	1
Paint Filter	**pass**				No Unit			06/18/15 19:15	1
Specific Gravity	**1.33**				NONE			06/15/15 20:50	1

Client Sample ID: Protocol 1
Date Collected: 06/09/15 13:00
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-15
Matrix: Solid
Percent Solids: 87.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19		ug/Kg	☼	06/17/15 18:04	06/18/15 15:48	1
PCB-1221	<19		19		ug/Kg	☼	06/17/15 18:04	06/18/15 15:48	1
PCB-1232	<19		19		ug/Kg	☼	06/17/15 18:04	06/18/15 15:48	1
PCB-1242	<19		19		ug/Kg	☼	06/17/15 18:04	06/18/15 15:48	1
PCB-1248	<19		19		ug/Kg	☼	06/17/15 18:04	06/18/15 15:48	1
PCB-1254	<19		19		ug/Kg	☼	06/17/15 18:04	06/18/15 15:48	1
PCB-1260	<19		19		ug/Kg	☼	06/17/15 18:04	06/18/15 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*66*		*50 - 116*	*06/17/15 18:04*	*06/18/15 15:48*	*1*
DCB Decachlorobiphenyl	*96*		*48 - 142*	*06/17/15 18:04*	*06/18/15 15:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chlorine	<220		220		mg/Kg	☼	06/19/15 13:36	06/22/15 14:09	1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC/MS VOA

Leach Batch: 291830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	TCLP	Solid	1311	
LB 500-291830/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 292410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	TCLP	Solid	8260B	291830
LB 500-291830/1-A	Method Blank	TCLP	Solid	8260B	291830
LCS 500-292410/3	Lab Control Sample	Total/NA	Solid	8260B	
MB 500-292410/5	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Leach Batch: 291829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	TCLP	Solid	1311	
LB 500-291829/1-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 292097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	TCLP	Solid	3510C	291829
LB 500-291829/1-D	Method Blank	TCLP	Solid	3510C	291829
LCS 500-292097/2-A	Lab Control Sample	Total/NA	Solid	3510C	
MB 500-292097/1-A	Method Blank	Total/NA	Solid	3510C	

Analysis Batch: 292155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	TCLP	Solid	8270D	292097
LB 500-291829/1-D	Method Blank	TCLP	Solid	8270D	292097
LCS 500-292097/2-A	Lab Control Sample	Total/NA	Solid	8270D	292097
MB 500-292097/1-A	Method Blank	Total/NA	Solid	8270D	292097

GC Semi VOA

Prep Batch: 292346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	Total/NA	Solid	3541	
LCS 500-292346/3-A	Lab Control Sample	Total/NA	Solid	3541	
MB 500-292346/1-A	Method Blank	Total/NA	Solid	3541	

Analysis Batch: 292408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	Total/NA	Solid	8082A	292346
LCS 500-292346/3-A	Lab Control Sample	Total/NA	Solid	8082A	292346
MB 500-292346/1-A	Method Blank	Total/NA	Solid	8082A	292346

Metals

Leach Batch: 291829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	TCLP	Solid	1311	

Metals (Continued)

Leach Batch: 291829 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 500-291829/1-B	Method Blank	TCLP	Solid	1311	
LB 500-291829/1-C	Method Blank	TCLP	Solid	1311	

Leach Batch: 291831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-1	A2	ASTM Leach	Solid	D3987-85	
500-97217-1 DU	A2	ASTM Leach	Solid	D3987-85	
500-97217-1 MS	A2	ASTM Leach	Solid	D3987-85	
500-97217-2	A3	ASTM Leach	Solid	D3987-85	
500-97217-2 DU	A3	ASTM Leach	Solid	D3987-85	
500-97217-2 MS	A3	ASTM Leach	Solid	D3987-85	
500-97217-3	A4	ASTM Leach	Solid	D3987-85	
500-97217-4	A5	ASTM Leach	Solid	D3987-85	
500-97217-5	C2	ASTM Leach	Solid	D3987-85	
500-97217-6	C3	ASTM Leach	Solid	D3987-85	
500-97217-7	C4	ASTM Leach	Solid	D3987-85	
500-97217-8	C5	ASTM Leach	Solid	D3987-85	
500-97217-9	C6	ASTM Leach	Solid	D3987-85	
500-97217-10	C7	ASTM Leach	Solid	D3987-85	
500-97217-11	D5	ASTM Leach	Solid	D3987-85	
500-97217-12	D6	ASTM Leach	Solid	D3987-85	
500-97217-13	D7	ASTM Leach	Solid	D3987-85	
500-97217-14	B1	ASTM Leach	Solid	D3987-85	
LB3 500-291831/1-B	Method Blank	ASTM Leach	Solid	D3987-85	
LB3 500-291831/1-C	Method Blank	ASTM Leach	Solid	D3987-85	

Prep Batch: 291899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	TCLP	Solid	3010A	291829
LB 500-291829/1-B	Method Blank	TCLP	Solid	3010A	291829
LCS 500-291899/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 291900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-1	A2	ASTM Leach	Solid	3010A	291831
500-97217-1 DU	A2	ASTM Leach	Solid	3010A	291831
500-97217-1 MS	A2	ASTM Leach	Solid	3010A	291831
500-97217-2	A3	ASTM Leach	Solid	3010A	291831
500-97217-3	A4	ASTM Leach	Solid	3010A	291831
500-97217-4	A5	ASTM Leach	Solid	3010A	291831
500-97217-5	C2	ASTM Leach	Solid	3010A	291831
500-97217-6	C3	ASTM Leach	Solid	3010A	291831
500-97217-7	C4	ASTM Leach	Solid	3010A	291831
500-97217-8	C5	ASTM Leach	Solid	3010A	291831
500-97217-9	C6	ASTM Leach	Solid	3010A	291831
500-97217-10	C7	ASTM Leach	Solid	3010A	291831
500-97217-11	D5	ASTM Leach	Solid	3010A	291831
500-97217-12	D6	ASTM Leach	Solid	3010A	291831
500-97217-13	D7	ASTM Leach	Solid	3010A	291831
500-97217-14	B1	ASTM Leach	Solid	3010A	291831
LB3 500-291831/1-B	Method Blank	ASTM Leach	Solid	3010A	291831

Metals (Continued)

Prep Batch: 291900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-291900/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 291969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-1	A2	ASTM Leach	Solid	7470A	291831
500-97217-2	A3	ASTM Leach	Solid	7470A	291831
500-97217-2 DU	A3	ASTM Leach	Solid	7470A	291831
500-97217-2 MS	A3	ASTM Leach	Solid	7470A	291831
500-97217-3	A4	ASTM Leach	Solid	7470A	291831
500-97217-4	A5	ASTM Leach	Solid	7470A	291831
500-97217-5	C2	ASTM Leach	Solid	7470A	291831
500-97217-6	C3	ASTM Leach	Solid	7470A	291831
500-97217-7	C4	ASTM Leach	Solid	7470A	291831
500-97217-8	C5	ASTM Leach	Solid	7470A	291831
500-97217-9	C6	ASTM Leach	Solid	7470A	291831
500-97217-10	C7	ASTM Leach	Solid	7470A	291831
500-97217-11	D5	ASTM Leach	Solid	7470A	291831
500-97217-12	D6	ASTM Leach	Solid	7470A	291831
500-97217-13	D7	ASTM Leach	Solid	7470A	291831
500-97217-14	B1	ASTM Leach	Solid	7470A	291831
LB3 500-291831/1-C	Method Blank	ASTM Leach	Solid	7470A	291831
LCS 500-291969/13-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 500-291969/12-A	Method Blank	Total/NA	Solid	7470A	

Prep Batch: 291970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	TCLP	Solid	7470A	291829
LB 500-291829/1-C	Method Blank	TCLP	Solid	7470A	291829
LCS 500-291970/13-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 500-291970/12-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 292053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-1	A2	ASTM Leach	Solid	6010B	291900
500-97217-1 DU	A2	ASTM Leach	Solid	6010B	291900
500-97217-1 MS	A2	ASTM Leach	Solid	6010B	291900
500-97217-2	A3	ASTM Leach	Solid	6010B	291900
500-97217-3	A4	ASTM Leach	Solid	6010B	291900
500-97217-4	A5	ASTM Leach	Solid	6010B	291900
500-97217-5	C2	ASTM Leach	Solid	6010B	291900
500-97217-6	C3	ASTM Leach	Solid	6010B	291900
500-97217-7	C4	ASTM Leach	Solid	6010B	291900
500-97217-8	C5	ASTM Leach	Solid	6010B	291900
500-97217-9	C6	ASTM Leach	Solid	6010B	291900
500-97217-10	C7	ASTM Leach	Solid	6010B	291900
500-97217-11	D5	ASTM Leach	Solid	6010B	291900
500-97217-12	D6	ASTM Leach	Solid	6010B	291900
500-97217-13	D7	ASTM Leach	Solid	6010B	291900
500-97217-14	B1	ASTM Leach	Solid	6010B	291900
500-97217-15	Protocol 1	TCLP	Solid	6010B	291899
LB 500-291829/1-B	Method Blank	TCLP	Solid	6010B	291899

Metals (Continued)

Analysis Batch: 292053 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-291831/1-B	Method Blank	ASTM Leach	Solid	6010B	291900
LCS 500-291899/2-A	Lab Control Sample	Total/NA	Solid	6010B	291899
LCS 500-291900/2-A	Lab Control Sample	Total/NA	Solid	6010B	291900

Analysis Batch: 292106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-1	A2	ASTM Leach	Solid	7470A	291969
500-97217-2	A3	ASTM Leach	Solid	7470A	291969
500-97217-2 DU	A3	ASTM Leach	Solid	7470A	291969
500-97217-2 MS	A3	ASTM Leach	Solid	7470A	291969
500-97217-3	A4	ASTM Leach	Solid	7470A	291969
500-97217-4	A5	ASTM Leach	Solid	7470A	291969
500-97217-5	C2	ASTM Leach	Solid	7470A	291969
500-97217-6	C3	ASTM Leach	Solid	7470A	291969
500-97217-7	C4	ASTM Leach	Solid	7470A	291969
500-97217-8	C5	ASTM Leach	Solid	7470A	291969
500-97217-9	C6	ASTM Leach	Solid	7470A	291969
500-97217-10	C7	ASTM Leach	Solid	7470A	291969
500-97217-11	D5	ASTM Leach	Solid	7470A	291969
500-97217-12	D6	ASTM Leach	Solid	7470A	291969
500-97217-13	D7	ASTM Leach	Solid	7470A	291969
500-97217-14	B1	ASTM Leach	Solid	7470A	291969
500-97217-15	Protocol 1	TCLP	Solid	7470A	291970
LB 500-291829/1-C	Method Blank	TCLP	Solid	7470A	291970
LB3 500-291831/1-C	Method Blank	ASTM Leach	Solid	7470A	291969
LCS 500-291969/13-A	Lab Control Sample	Total/NA	Solid	7470A	291969
LCS 500-291970/13-A	Lab Control Sample	Total/NA	Solid	7470A	291970
MB 500-291969/12-A	Method Blank	Total/NA	Solid	7470A	291969
MB 500-291970/12-A	Method Blank	Total/NA	Solid	7470A	291970

Analysis Batch: 292224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-1	A2	ASTM Leach	Solid	6010B	291900
500-97217-1 DU	A2	ASTM Leach	Solid	6010B	291900
500-97217-1 MS	A2	ASTM Leach	Solid	6010B	291900
500-97217-2	A3	ASTM Leach	Solid	6010B	291900
500-97217-3	A4	ASTM Leach	Solid	6010B	291900
500-97217-4	A5	ASTM Leach	Solid	6010B	291900
500-97217-5	C2	ASTM Leach	Solid	6010B	291900
500-97217-6	C3	ASTM Leach	Solid	6010B	291900
500-97217-7	C4	ASTM Leach	Solid	6010B	291900
500-97217-8	C5	ASTM Leach	Solid	6010B	291900
500-97217-9	C6	ASTM Leach	Solid	6010B	291900
500-97217-10	C7	ASTM Leach	Solid	6010B	291900
500-97217-11	D5	ASTM Leach	Solid	6010B	291900
500-97217-12	D6	ASTM Leach	Solid	6010B	291900
500-97217-13	D7	ASTM Leach	Solid	6010B	291900
500-97217-14	B1	ASTM Leach	Solid	6010B	291900
500-97217-15	Protocol 1	TCLP	Solid	6010B	291899
LB 500-291829/1-B	Method Blank	TCLP	Solid	6010B	291899
LB3 500-291831/1-B	Method Blank	ASTM Leach	Solid	6010B	291900

Metals (Continued)

Analysis Batch: 292224 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-291899/2-A	Lab Control Sample	Total/NA	Solid	6010B	291899
LCS 500-291900/2-A	Lab Control Sample	Total/NA	Solid	6010B	291900

General Chemistry

Analysis Batch: 291705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	Total/NA	Solid	Moisture	

Analysis Batch: 291731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	Total/NA	Solid	1010A	

Analysis Batch: 291847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	Total/NA	Solid	9045C	

Prep Batch: 292026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	Total/NA	Solid	9010B	
LCS 500-292026/2-A	Lab Control Sample	Total/NA	Solid	9010B	
MB 500-292026/1-A	Method Blank	Total/NA	Solid	9010B	

Analysis Batch: 292027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	Total/NA	Solid	SM 2710F	

Analysis Batch: 292032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	Total/NA	Solid	9014	292026
LCS 500-292026/2-A	Lab Control Sample	Total/NA	Solid	9014	292026
MB 500-292026/1-A	Method Blank	Total/NA	Solid	9014	292026

Prep Batch: 292075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	Total/NA	Solid	9030B	
500-97217-15 MS	Protocol 1	Total/NA	Solid	9030B	
500-97217-15 MSD	Protocol 1	Total/NA	Solid	9030B	
LCS 500-292075/2-A	Lab Control Sample	Total/NA	Solid	9030B	
MB 500-292075/1-A	Method Blank	Total/NA	Solid	9030B	

Analysis Batch: 292113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	Total/NA	Solid	9034	292075
500-97217-15 MS	Protocol 1	Total/NA	Solid	9034	292075
500-97217-15 MSD	Protocol 1	Total/NA	Solid	9034	292075
LCS 500-292075/2-A	Lab Control Sample	Total/NA	Solid	9034	292075
MB 500-292075/1-A	Method Blank	Total/NA	Solid	9034	292075

General Chemistry (Continued)

Analysis Batch: 292536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	Total/NA	Solid	9095A	

Prep Batch: 388413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	Total/NA	Solid	5050	
LCS 680-388413/2-A	Lab Control Sample	Total/NA	Solid	5050	
MB 680-388413/1-A	Method Blank	Total/NA	Solid	5050	

Analysis Batch: 388646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-97217-15	Protocol 1	Total/NA	Solid	9251	388413
LCS 680-388413/2-A	Lab Control Sample	Total/NA	Solid	9251	388413
MB 680-388413/1-A	Method Blank	Total/NA	Solid	9251	388413

Surrogate Summary

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(75-120)	(75-120)	(75-125)	(75-120)
LCS 500-292410/3	Lab Control Sample	100	97	103	103
MB 500-292410/5	Method Blank	100	96	98	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(75-120)	(75-120)	(75-125)	(75-120)
500-97217-15	Protocol 1	104	93	102	100
LB 500-291830/1-A	Method Blank	99	97	103	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(48-110)	(20-100)	(41-110)	(20-100)	(44-132)	(50-129)
LCS 500-292097/2-A	Lab Control Sample	84	45	81	34	98	92
MB 500-292097/1-A	Method Blank	43 X	31	53	20	89	50

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(48-110)	(20-100)	(41-110)	(20-100)	(44-132)	(50-129)
500-97217-15	Protocol 1	76	39	85	29	104	80
LB 500-291829/1-D	Method Blank	83	45	87	28	106	98

Surrogate Legend

Surrogate Summary

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(50-116)	(48-142)
500-97217-15	Protocol 1	66	96
LCS 500-292346/3-A	Lab Control Sample	83	109
MB 500-292346/1-A	Method Blank	94	107

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-292410/5
Matrix: Solid
Analysis Batch: 292410

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0010		0.0010		mg/L			06/18/15 11:41	1
Carbon tetrachloride	<0.0010		0.0010		mg/L			06/18/15 11:41	1
Chlorobenzene	<0.0010		0.0010		mg/L			06/18/15 11:41	1
Chloroform	<0.0010		0.0010		mg/L			06/18/15 11:41	1
1,2-Dichloroethane	<0.0010		0.0010		mg/L			06/18/15 11:41	1
1,1-Dichloroethene	<0.0010		0.0010		mg/L			06/18/15 11:41	1
Methyl Ethyl Ketone	<0.0050		0.0050		mg/L			06/18/15 11:41	1
Tetrachloroethene	<0.0010		0.0010		mg/L			06/18/15 11:41	1
Trichloroethene	<0.0010		0.0010		mg/L			06/18/15 11:41	1
Vinyl chloride	<0.0010		0.0010		mg/L			06/18/15 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*		*06/18/15 11:41*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*06/18/15 11:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 125*		*06/18/15 11:41*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*06/18/15 11:41*	*1*

Lab Sample ID: LCS 500-292410/3
Matrix: Solid
Analysis Batch: 292410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0457		mg/L		91	70 - 120
Carbon tetrachloride	0.0500	0.0477		mg/L		95	70 - 125
Chlorobenzene	0.0500	0.0485		mg/L		97	70 - 120
Chloroform	0.0500	0.0463		mg/L		93	70 - 120
1,2-Dichloroethane	0.0500	0.0496		mg/L		99	69 - 120
1,1-Dichloroethene	0.0500	0.0410		mg/L		82	58 - 122
Methyl Ethyl Ketone	0.0500	0.0507		mg/L		101	54 - 138
Tetrachloroethene	0.0500	0.0493		mg/L		99	70 - 123
Trichloroethene	0.0500	0.0466		mg/L		93	70 - 120
Vinyl chloride	0.0500	0.0513		mg/L		103	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*75 - 120*
Dibromofluoromethane	*97*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 125*
Toluene-d8 (Surr)	*103*		*75 - 120*

Lab Sample ID: LB 500-291830/1-A
Matrix: Solid
Analysis Batch: 292410

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020		mg/L			06/18/15 13:35	20
Carbon tetrachloride	<0.020		0.020		mg/L			06/18/15 13:35	20
Chlorobenzene	<0.020		0.020		mg/L			06/18/15 13:35	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 500-291830/1-A
Matrix: Solid
Analysis Batch: 292410

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.020		0.020		mg/L			06/18/15 13:35	20
1,2-Dichloroethane	<0.020		0.020		mg/L			06/18/15 13:35	20
1,1-Dichloroethene	<0.020		0.020		mg/L			06/18/15 13:35	20
Methyl Ethyl Ketone	<0.10		0.10		mg/L			06/18/15 13:35	20
Tetrachloroethene	<0.020		0.020		mg/L			06/18/15 13:35	20
Trichloroethene	<0.020		0.020		mg/L			06/18/15 13:35	20
Vinyl chloride	<0.020		0.020		mg/L			06/18/15 13:35	20

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*		*06/18/15 13:35*	*20*
Dibromofluoromethane	*97*		*75 - 120*		*06/18/15 13:35*	*20*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 125*		*06/18/15 13:35*	*20*
Toluene-d8 (Surr)	*100*		*75 - 120*		*06/18/15 13:35*	*20*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-292097/1-A
Matrix: Solid
Analysis Batch: 292155

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 292097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.0020		0.0020		mg/L		06/16/15 10:52	06/16/15 19:41	1
2,4-Dinitrotoluene	<0.0010		0.0010		mg/L		06/16/15 10:52	06/16/15 19:41	1
Hexachlorobenzene	<0.00050		0.00050		mg/L		06/16/15 10:52	06/16/15 19:41	1
Hexachlorobutadiene	<0.0050		0.0050		mg/L		06/16/15 10:52	06/16/15 19:41	1
Hexachloroethane	<0.0050		0.0050		mg/L		06/16/15 10:52	06/16/15 19:41	1
2-Methylphenol	<0.0020		0.0020		mg/L		06/16/15 10:52	06/16/15 19:41	1
3 & 4 Methylphenol	<0.0020		0.0020		mg/L		06/16/15 10:52	06/16/15 19:41	1
Nitrobenzene	<0.0010		0.0010		mg/L		06/16/15 10:52	06/16/15 19:41	1
Pentachlorophenol	<0.020		0.020		mg/L		06/16/15 10:52	06/16/15 19:41	1
Pyridine	<0.020		0.020		mg/L		06/16/15 10:52	06/16/15 19:41	1
2,4,5-Trichlorophenol	<0.010		0.010		mg/L		06/16/15 10:52	06/16/15 19:41	1
2,4,6-Trichlorophenol	<0.0050		0.0050		mg/L		06/16/15 10:52	06/16/15 19:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*43*	*X*	*48 - 110*	*06/16/15 10:52*	*06/16/15 19:41*	*1*
2-Fluorophenol (Surr)	*31*		*20 - 100*	*06/16/15 10:52*	*06/16/15 19:41*	*1*
Nitrobenzene-d5 (Surr)	*53*		*41 - 110*	*06/16/15 10:52*	*06/16/15 19:41*	*1*
Phenol-d5 (Surr)	*20*		*20 - 100*	*06/16/15 10:52*	*06/16/15 19:41*	*1*
Terphenyl-d14 (Surr)	*89*		*44 - 132*	*06/16/15 10:52*	*06/16/15 19:41*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*50 - 129*	*06/16/15 10:52*	*06/16/15 19:41*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-292097/2-A
Matrix: Solid
Analysis Batch: 292155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 292097

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0400	0.0249		mg/L		62	33 - 100
2,4-Dinitrotoluene	0.0400	0.0401		mg/L		100	62 - 119
Hexachlorobenzene	0.0400	0.0368		mg/L		92	60 - 110
Hexachlorobutadiene	0.0400	0.0242		mg/L		60	28 - 110
Hexachloroethane	0.0400	0.0209		mg/L		52	29 - 100
2-Methylphenol	0.0400	0.0298		mg/L		74	42 - 100
3 & 4 Methylphenol	0.0400	0.0293		mg/L		73	38 - 110
Nitrobenzene	0.0400	0.0323		mg/L		81	52 - 110
Pentachlorophenol	0.0800	0.0675		mg/L		84	42 - 127
Pyridine	0.0400	<0.020		mg/L		41	10 - 100
2,4,5-Trichlorophenol	0.0400	0.0389		mg/L		97	63 - 110
2,4,6-Trichlorophenol	0.0400	0.0388		mg/L		97	63 - 110

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*48 - 110*
2-Fluorophenol (Surr)	*45*		*20 - 100*
Nitrobenzene-d5 (Surr)	*81*		*41 - 110*
Phenol-d5 (Surr)	*34*		*20 - 100*
Terphenyl-d14 (Surr)	*98*		*44 - 132*
2,4,6-Tribromophenol (Surr)	*92*		*50 - 129*

Lab Sample ID: LB 500-291829/1-D
Matrix: Solid
Analysis Batch: 292155

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 292097

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.020		0.020		mg/L		06/16/15 10:52	06/16/15 20:27	1
2,4-Dinitrotoluene	<0.010		0.010		mg/L		06/16/15 10:52	06/16/15 20:27	1
Hexachlorobenzene	<0.0050		0.0050		mg/L		06/16/15 10:52	06/16/15 20:27	1
Hexachlorobutadiene	<0.050		0.050		mg/L		06/16/15 10:52	06/16/15 20:27	1
Hexachloroethane	<0.050		0.050		mg/L		06/16/15 10:52	06/16/15 20:27	1
2-Methylphenol	<0.020		0.020		mg/L		06/16/15 10:52	06/16/15 20:27	1
3 & 4 Methylphenol	<0.020		0.020		mg/L		06/16/15 10:52	06/16/15 20:27	1
Nitrobenzene	<0.010		0.010		mg/L		06/16/15 10:52	06/16/15 20:27	1
Pentachlorophenol	<0.20		0.20		mg/L		06/16/15 10:52	06/16/15 20:27	1
Pyridine	<0.20		0.20		mg/L		06/16/15 10:52	06/16/15 20:27	1
2,4,5-Trichlorophenol	<0.10		0.10		mg/L		06/16/15 10:52	06/16/15 20:27	1
2,4,6-Trichlorophenol	<0.050		0.050		mg/L		06/16/15 10:52	06/16/15 20:27	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*48 - 110*	*06/16/15 10:52*	*06/16/15 20:27*	*1*
2-Fluorophenol (Surr)	*45*		*20 - 100*	*06/16/15 10:52*	*06/16/15 20:27*	*1*
Nitrobenzene-d5 (Surr)	*87*		*41 - 110*	*06/16/15 10:52*	*06/16/15 20:27*	*1*
Phenol-d5 (Surr)	*28*		*20 - 100*	*06/16/15 10:52*	*06/16/15 20:27*	*1*
Terphenyl-d14 (Surr)	*106*		*44 - 132*	*06/16/15 10:52*	*06/16/15 20:27*	*1*
2,4,6-Tribromophenol (Surr)	*98*		*50 - 129*	*06/16/15 10:52*	*06/16/15 20:27*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-292346/1-A
Matrix: Solid
Analysis Batch: 292408

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 292346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<17		17		ug/Kg		06/17/15 18:04	06/18/15 15:21	1
PCB-1221	<17		17		ug/Kg		06/17/15 18:04	06/18/15 15:21	1
PCB-1232	<17		17		ug/Kg		06/17/15 18:04	06/18/15 15:21	1
PCB-1242	<17		17		ug/Kg		06/17/15 18:04	06/18/15 15:21	1
PCB-1248	<17		17		ug/Kg		06/17/15 18:04	06/18/15 15:21	1
PCB-1254	<17		17		ug/Kg		06/17/15 18:04	06/18/15 15:21	1
PCB-1260	<17		17		ug/Kg		06/17/15 18:04	06/18/15 15:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*50 - 116*	*06/17/15 18:04*	*06/18/15 15:21*	*1*
DCB Decachlorobiphenyl	*107*		*48 - 142*	*06/17/15 18:04*	*06/18/15 15:21*	*1*

Lab Sample ID: LCS 500-292346/3-A
Matrix: Solid
Analysis Batch: 292408

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 292346

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	167	153		ug/Kg		92	59 - 110
PCB-1260	167	166		ug/Kg		99	69 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*83*		*50 - 116*
DCB Decachlorobiphenyl	*109*		*48 - 142*

Method: 6010B - Metals (ICP)

Lab Sample ID: LCS 500-291899/2-A
Matrix: Solid
Analysis Batch: 292053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.103		mg/L		103	80 - 120
Barium	0.500	0.476	J	mg/L		95	80 - 120
Cadmium	0.0500	0.0528		mg/L		106	80 - 120
Chromium	0.200	0.198		mg/L		99	80 - 120
Copper	0.250	0.257		mg/L		103	80 - 120
Nickel	0.500	0.530		mg/L		106	80 - 120
Selenium	0.100	0.0897		mg/L		90	80 - 120
Silver	0.0500	0.0473		mg/L		95	80 - 120
Zinc	0.500	0.532	^	mg/L		106	80 - 120

Lab Sample ID: LCS 500-291899/2-A
Matrix: Solid
Analysis Batch: 292224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.100	0.105		mg/L		105	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 500-291900/2-A
Matrix: Solid
Analysis Batch: 292053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291900

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.551		mg/L		110	80 - 120
Arsenic	0.100	0.110		mg/L		110	80 - 120
Barium	0.500	0.487	J	mg/L		97	80 - 120
Beryllium	0.0500	0.0507		mg/L		101	80 - 120
Boron	1.00	1.04		mg/L		104	80 - 120
Cadmium	0.0500	0.0543		mg/L		109	80 - 120
Chromium	0.200	0.203		mg/L		101	80 - 120
Copper	0.250	0.274		mg/L		109	80 - 120
Iron	1.00	0.979		mg/L		98	80 - 120
Manganese	0.500	0.504		mg/L		101	80 - 120
Molybdenum	1.00	1.05		mg/L		105	80 - 120
Nickel	0.500	0.531		mg/L		106	80 - 120
Potassium	10.0	10.1		mg/L		101	80 - 120
Selenium	0.100	0.0929		mg/L		93	80 - 120
Silver	0.0500	0.0484		mg/L		97	80 - 120
Sodium	10.0	11.1		mg/L		111	80 - 120
Thallium	0.100	0.100	J	mg/L		100	80 - 120
Zinc	0.500	0.526	^	mg/L		105	80 - 120

Lab Sample ID: LCS 500-291900/2-A
Matrix: Solid
Analysis Batch: 292224

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291900

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.100	0.109		mg/L		109	80 - 120

Lab Sample ID: LB 500-291829/1-B
Matrix: Solid
Analysis Batch: 292053

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 291899

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 20:32	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 20:32	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 20:32	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 20:32	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 20:32	1
Nickel	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 20:32	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 20:32	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 20:32	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 20:32	1

Lab Sample ID: LB 500-291829/1-B
Matrix: Solid
Analysis Batch: 292224

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 291899

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 15:30	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LB3 500-291831/1-B
Matrix: Solid
Analysis Batch: 292053

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 291900

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:06	1
Arsenic	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:06	1
Barium	<0.50		0.50		mg/L		06/14/15 14:10	06/15/15 22:06	1
Beryllium	<0.0040		0.0040		mg/L		06/14/15 14:10	06/15/15 22:06	1
Boron	<0.10		0.10		mg/L		06/14/15 14:10	06/15/15 22:06	1
Cadmium	<0.0050		0.0050		mg/L		06/14/15 14:10	06/15/15 22:06	1
Chromium	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:06	1
Copper	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:06	1
Iron	<0.20		0.20		mg/L		06/14/15 14:10	06/15/15 22:06	1
Manganese	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:06	1
Molybdenum	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:06	1
Nickel	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:06	1
Potassium	<2.5		2.5		mg/L		06/14/15 14:10	06/15/15 22:06	1
Selenium	<0.050		0.050		mg/L		06/14/15 14:10	06/15/15 22:06	1
Silver	<0.025		0.025		mg/L		06/14/15 14:10	06/15/15 22:06	1
Sodium	<5.0		5.0		mg/L		06/14/15 14:10	06/15/15 22:06	1
Thallium	<0.25		0.25		mg/L		06/14/15 14:10	06/15/15 22:06	1
Zinc	<0.10	^	0.10		mg/L		06/14/15 14:10	06/15/15 22:06	1

Lab Sample ID: LB3 500-291831/1-B
Matrix: Solid
Analysis Batch: 292224

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 291900

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.050		0.050		mg/L		06/14/15 14:10	06/16/15 17:48	1

Lab Sample ID: 500-97217-1 MS
Matrix: Solid
Analysis Batch: 292053

Client Sample ID: A2
Prep Type: ASTM Leach
Prep Batch: 291900

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.050		0.500	0.541		mg/L		108	50 - 150
Arsenic	<0.050		0.100	0.106		mg/L		106	50 - 150
Barium	<0.50		0.500	0.562		mg/L		94	50 - 150
Beryllium	<0.0040		0.0500	0.0494		mg/L		99	50 - 150
Boron	0.20		1.00	1.21		mg/L		101	50 - 150
Cadmium	<0.0050		0.0500	0.0531		mg/L		106	50 - 150
Chromium	<0.025		0.200	0.198		mg/L		99	50 - 150
Copper	<0.025		0.250	0.267		mg/L		107	50 - 150
Iron	<0.20		1.00	1.00		mg/L		100	50 - 150
Manganese	<0.025		0.500	0.492		mg/L		98	50 - 150
Molybdenum	<0.050		1.00	1.02		mg/L		102	50 - 150
Nickel	<0.025		0.500	0.525		mg/L		105	50 - 150
Potassium	<2.5		10.0	11.6		mg/L		98	50 - 150
Selenium	<0.050		0.100	0.0901		mg/L		90	50 - 150
Silver	<0.025		0.0500	0.0476		mg/L		95	50 - 150
Sodium	14		10.0	24.9		mg/L		106	50 - 150
Thallium	<0.25		0.100	<0.25		mg/L		96	50 - 150

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 500-97217-1 MS
Matrix: Solid
Analysis Batch: 292053

Client Sample ID: A2
Prep Type: ASTM Leach
Prep Batch: 291900

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	<0.10	^	0.500	0.526	^	mg/L		105	50 - 150

Lab Sample ID: 500-97217-1 MS
Matrix: Solid
Analysis Batch: 292224

Client Sample ID: A2
Prep Type: ASTM Leach
Prep Batch: 291900

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	<0.050		0.100	0.107		mg/L		107	50 - 150

Lab Sample ID: 500-97217-1 DU
Matrix: Solid
Analysis Batch: 292053

Client Sample ID: A2
Prep Type: ASTM Leach
Prep Batch: 291900

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.050		<0.050		mg/L		NC	20
Arsenic	<0.050		<0.050		mg/L		NC	20
Barium	<0.50		<0.50		mg/L		NC	20
Beryllium	<0.0040		<0.0040		mg/L		NC	20
Boron	0.20		0.197		mg/L		0.3	20
Cadmium	<0.0050		<0.0050		mg/L		NC	20
Chromium	<0.025		<0.025		mg/L		NC	20
Copper	<0.025		<0.025		mg/L		NC	20
Iron	<0.20		<0.20		mg/L		NC	20
Manganese	<0.025		<0.025		mg/L		NC	20
Molybdenum	<0.050		<0.050		mg/L		NC	20
Nickel	<0.025		<0.025		mg/L		NC	20
Potassium	<2.5		<2.5		mg/L		NC	20
Selenium	<0.050		<0.050		mg/L		NC	20
Silver	<0.025		<0.025		mg/L		NC	20
Sodium	14		14.6		mg/L		2	20
Thallium	<0.25		<0.25		mg/L		NC	20
Zinc	<0.10	^	<0.10	^	mg/L		NC	20

Lab Sample ID: 500-97217-1 DU
Matrix: Solid
Analysis Batch: 292224

Client Sample ID: A2
Prep Type: ASTM Leach
Prep Batch: 291900

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	<0.050		<0.050		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-291969/12-A
Matrix: Solid
Analysis Batch: 292106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 291969

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 09:28	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 500-291969/13-A
Matrix: Solid
Analysis Batch: 292106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291969

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00206		mg/L		103	80 - 120

Lab Sample ID: MB 500-291970/12-A
Matrix: Solid
Analysis Batch: 292106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 291970

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 10:21	1

Lab Sample ID: LCS 500-291970/13-A
Matrix: Solid
Analysis Batch: 292106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 291970

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00190		mg/L		95	80 - 120

Lab Sample ID: LB 500-291829/1-C
Matrix: Solid
Analysis Batch: 292106

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 291970

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 10:25	1

Lab Sample ID: LB3 500-291831/1-C
Matrix: Solid
Analysis Batch: 292106

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 291969

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/15/15 11:30	06/16/15 09:32	1

Lab Sample ID: 500-97217-2 MS
Matrix: Solid
Analysis Batch: 292106

Client Sample ID: A3
Prep Type: ASTM Leach
Prep Batch: 291969

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00020		0.00100	0.00102		mg/L		102	50 - 150

Lab Sample ID: 500-97217-2 DU
Matrix: Solid
Analysis Batch: 292106

Client Sample ID: A3
Prep Type: ASTM Leach
Prep Batch: 291969

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.00020		<0.00020		mg/L		NC	20

Method: 9014 - Cyanide

Lab Sample ID: MB 500-292026/1-A
Matrix: Solid
Analysis Batch: 292032

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 292026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.50		0.50		mg/Kg		06/15/15 20:05	06/15/15 22:15	1

Lab Sample ID: LCS 500-292026/2-A
Matrix: Solid
Analysis Batch: 292032

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 292026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	5.00	5.04		mg/Kg		101	80 - 120

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-292075/1-A
Matrix: Solid
Analysis Batch: 292113

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 292075

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<10		10		mg/Kg		06/16/15 10:12	06/16/15 12:25	1

Lab Sample ID: LCS 500-292075/2-A
Matrix: Solid
Analysis Batch: 292113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 292075

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	203	174		mg/Kg		86	80 - 120

Lab Sample ID: 500-97217-15 MS
Matrix: Solid
Analysis Batch: 292113

Client Sample ID: Protocol 1
Prep Type: Total/NA
Prep Batch: 292075

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	<10	F1	202	124	F1	mg/Kg		58	75 - 125

Lab Sample ID: 500-97217-15 MSD
Matrix: Solid
Analysis Batch: 292113

Client Sample ID: Protocol 1
Prep Type: Total/NA
Prep Batch: 292075

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	<10	F1	203	128	F1	mg/Kg		60	75 - 125	4	20

Method: 9251 - Chlorine, Total

Lab Sample ID: MB 680-388413/1-A
Matrix: Solid
Analysis Batch: 388646

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388413

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Chlorine	<50		50		mg/Kg		06/19/15 13:36	06/22/15 14:09	1

Method: 9251 - Chlorine, Total (Continued)

Lab Sample ID: LCS 680-388413/2-A
Matrix: Solid
Analysis Batch: 388646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388413

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Chlorine	9890	9670		mg/Kg		98	70 - 130

Client Sample ID: A2

Lab Sample ID: 500-97217-1

Date Collected: 06/09/15 10:20

Matrix: Solid

Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 18:01	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 22:14	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 09:34	RLL	TAL CHI

Client Sample ID: A3

Lab Sample ID: 500-97217-2

Date Collected: 06/09/15 10:30

Matrix: Solid

Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 18:41	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 22:38	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 09:36	RLL	TAL CHI

Client Sample ID: A4

Lab Sample ID: 500-97217-3

Date Collected: 06/09/15 10:40

Matrix: Solid

Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 18:47	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 22:42	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 09:42	RLL	TAL CHI

Client Sample ID: A5 — **Lab Sample ID: 500-97217-4**
Date Collected: 06/09/15 10:50 — **Matrix: Solid**
Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 18:53	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 22:46	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 09:44	RLL	TAL CHI

Client Sample ID: C2 — **Lab Sample ID: 500-97217-5**
Date Collected: 06/09/15 12:10 — **Matrix: Solid**
Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 18:59	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 22:50	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 09:46	RLL	TAL CHI

Client Sample ID: C3 — **Lab Sample ID: 500-97217-6**
Date Collected: 06/09/15 12:00 — **Matrix: Solid**
Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 19:06	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 22:54	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 09:52	RLL	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Client Sample ID: C4

Lab Sample ID: 500-97217-7
Matrix: Solid
Date Collected: 06/09/15 11:55
Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 19:12	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 22:59	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 09:54	RLL	TAL CHI

Client Sample ID: C5

Lab Sample ID: 500-97217-8
Matrix: Solid
Date Collected: 06/09/15 11:50
Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 19:18	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 23:03	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 09:56	RLL	TAL CHI

Client Sample ID: C6

Lab Sample ID: 500-97217-9
Matrix: Solid
Date Collected: 06/09/15 11:05
Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 19:24	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 23:14	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 09:58	RLL	TAL CHI

Client Sample ID: C7

Lab Sample ID: 500-97217-10

Date Collected: 06/09/15 10:55

Matrix: Solid

Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 19:31	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 23:18	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 10:00	RLL	TAL CHI

Client Sample ID: D5

Lab Sample ID: 500-97217-11

Date Collected: 06/09/15 11:40

Matrix: Solid

Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 19:52	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 23:22	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 10:02	RLL	TAL CHI

Client Sample ID: D6

Lab Sample ID: 500-97217-12

Date Collected: 06/09/15 11:35

Matrix: Solid

Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 19:58	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 23:26	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 10:04	RLL	TAL CHI

Client Sample ID: D7

Lab Sample ID: 500-97217-13

Date Collected: 06/09/15 11:25
Matrix: Solid
Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 20:04	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 23:30	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 10:06	RLL	TAL CHI

Client Sample ID: B1

Lab Sample ID: 500-97217-14

Date Collected: 06/09/15 12:20
Matrix: Solid
Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292224	06/16/15 20:10	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	3010A			291900	06/14/15 14:10	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	292053	06/15/15 23:34	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			291831	06/12/15 13:00	CMV	TAL CHI
ASTM Leach	Prep	7470A			291969	06/15/15 11:30	RLL	TAL CHI
ASTM Leach	Analysis	7470A		1	292106	06/16/15 10:08	RLL	TAL CHI

Client Sample ID: Protocol 1

Lab Sample ID: 500-97217-15

Date Collected: 06/09/15 13:00
Matrix: Solid
Date Received: 06/11/15 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			291830	06/12/15 13:00	CMV	TAL CHI
TCLP	Analysis	8260B		20	292410	06/18/15 15:56	PMF	TAL CHI
TCLP	Leach	1311			291829	06/12/15 13:00	CMV	TAL CHI
TCLP	Prep	3510C			292097	06/16/15 10:52	RTO	TAL CHI
TCLP	Analysis	8270D		1	292155	06/16/15 22:21	BJH	TAL CHI
Total/NA	Prep	3541			292346	06/17/15 18:04	DEA	TAL CHI
Total/NA	Analysis	8082A		1	292408	06/18/15 15:48	GMO	TAL CHI
TCLP	Leach	1311			291829	06/12/15 13:00	CMV	TAL CHI
TCLP	Prep	3010A			291899	06/14/15 14:10	PJH	TAL CHI
TCLP	Analysis	6010B		1	292224	06/16/15 16:23	PJ1	TAL CHI
TCLP	Leach	1311			291829	06/12/15 13:00	CMV	TAL CHI
TCLP	Prep	3010A			291899	06/14/15 14:10	PJH	TAL CHI
TCLP	Analysis	6010B		1	292053	06/15/15 21:01	PJ1	TAL CHI
TCLP	Leach	1311			291829	06/12/15 13:00	CMV	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Client Sample ID: Protocol 1

Date Collected: 06/09/15 13:00
Date Received: 06/11/15 10:15

Lab Sample ID: 500-97217-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	7470A			291970	06/15/15 11:30	RLL	TAL CHI
TCLP	Analysis	7470A		1	292106	06/16/15 10:57	RLL	TAL CHI
Total/NA	Analysis	1010A		1	291731		SSF	TAL CHI
					(Start)	06/11/15 15:50		
					(End)	06/11/15 17:18		
Total/NA	Prep	9010B			292026	06/15/15 20:05	ELR	TAL CHI
Total/NA	Analysis	9014		1	292032		ELR	TAL CHI
					(Start)	06/15/15 22:16		
					(End)	06/15/15 22:16		
Total/NA	Prep	9030B			292075	06/16/15 10:12	LAJ	TAL CHI
Total/NA	Analysis	9034		1	292113	06/16/15 12:30	LAJ	TAL CHI
Total/NA	Analysis	9045C		1	291847		LAJ	TAL CHI
					(Start)	06/12/15 13:20		
					(End)	06/12/15 13:22		
Total/NA	Analysis	9095A		1	292536		ELR	TAL CHI
					(Start)	06/18/15 19:15		
					(End)	06/18/15 19:20		
Total/NA	Prep	5050			388413	06/19/15 13:36	JRJ	TAL SAV
Total/NA	Analysis	9251		1	388646	06/22/15 14:09	JRJ	TAL SAV
Total/NA	Analysis	Moisture		1	291705	06/11/15 18:40	MJD	TAL CHI
Total/NA	Analysis	SM 2710F		1	292027	06/15/15 20:50	HMW	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
SM 2710F		Solid	Specific Gravity

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-17
A2LA	ISO/IEC 17025		399.01	02-28-17
Alabama	State Program	4	41450	06-30-15 *
Arkansas DEQ	State Program	6	88-0692	01-31-16
California	State Program	9	2939	07-31-15
Colorado	State Program	8	N/A	12-31-15
Connecticut	State Program	1	PH-0161	03-31-17
Florida	NELAP	4	E87052	06-30-15 *
GA Dept. of Agriculture	State Program	4	N/A	06-12-17
Georgia	State Program	4	N/A	06-30-16
Guam	State Program	9	14-004r	04-16-16
Hawaii	State Program	9	N/A	06-30-15 *
Illinois	NELAP	5	200022	11-30-15
Indiana	State Program	5	N/A	06-30-15 *
Iowa	State Program	7	353	06-30-17
Kentucky (DW)	State Program	4	90084	12-31-15
Kentucky (UST)	State Program	4	18	06-30-15 *
Kentucky (WW)	State Program	4	90084	12-31-15
Louisiana	NELAP	6	30690	06-30-15 *
Louisiana (DW)	NELAP	6	LA150014	12-31-15
Maine	State Program	1	GA00006	09-24-16
Maryland	State Program	3	250	12-31-15
Massachusetts	State Program	1	M-GA006	06-30-15 *
Michigan	State Program	5	9925	06-30-15 *
Mississippi	State Program	4	N/A	06-30-15 *
Montana	State Program	8	CERT0081	12-31-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-15 *
New Jersey	NELAP	2	GA769	06-30-15 *
New Mexico	State Program	6	N/A	06-30-15 *
New York	NELAP	2	10842	03-31-16
North Carolina (DW)	State Program	4	13701	07-31-15
North Carolina (WW/SW)	State Program	4	269	12-31-15
Oklahoma	State Program	6	9984	08-31-15
Pennsylvania	NELAP	3	68-00474	06-30-15 *
Puerto Rico	State Program	2	GA00006	12-31-15
South Carolina	State Program	4	98001	06-30-15 *
Tennessee	State Program	4	TN02961	06-30-15 *

* Certification renewal pending - certification considered valid.

Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-97217-1

Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704185-14-7	11-30-15
USDA	Federal		SAV 3-04	06-11-17
Virginia	NELAP	3	460161	06-14-16
Washington	State Program	10	C805	06-10-16
West Virginia (DW)	State Program	3	9950C	12-31-15
West Virginia DEP	State Program	3	094	06-30-15 *
Wisconsin	State Program	5	999819810	08-31-15
Wyoming	State Program	8	8TMS-L	06-30-15 *

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-97217

Chain of Custody Number:

Page 1 of 2

Temperature °C of Cooler: 9.4

(optional) Report To	(optional) Bill To
Contact:	Contact:
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail:	PO#/Reference#

Client: KPRG AND ASSOCIATES | Client Project #:

Project Name: CONFIDENTIAL

Project Location/State: WILL COUNTY, IL | Lab Project #: 500-97217 COC

Sampler: PATRICK ALLENSTEIN | Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative: Parameter: Neutral Leach Metals *	Protocol B								Comments
1		A2	6/9/15	1020	1	S	X									
2		A3		1030												
3		A4		1040												
4		A5		1050												
5		C2		1210												
6		C3		1200												
7		C4		1155												
8		C5		1150												
9		C6		1105												
10		C7		1055												

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date:

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	KPRG	6/10/15	1600	FED EX		6/10/15	1600
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
				[signature]	TA-CHI	06/11/15	10:15
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: Fed Ex Priority
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments
* Neutral Leach Metals Incl:
As, Sb, Ba, Be, B, Cd, Cr, Co, Cu, Fe, Pb, Mn, Mo, Ni, K, Se, Ag, Na, Tl, Zn, Hg
(See lab quote 500-0899-0)

Lab Comments:

MWG13-15_49024
6/24/2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-97217

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler: 9.4

(optional) Report To	(optional) Bill To
Contact:	Contact:
Company:	Company:
Address:	Address:
Address:	Address:
Phone:	Phone:
Fax:	Fax:
E-Mail:	PO#/Reference#

Client: KPRG and Assoc. | Client Project #: 16714-1

Project Name: CONFIDENTIAL

Project Location/State: WILL COUNTY, IL | Lab Project #:

Sampler: PATRICK ALLENSTEIN | Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: Neutral Leach metals +	Parameter: Protocol B	Comments
11		D5	6/9/15	1140	1	S	X		
12		D6		1135	1		X		
13		D7		1125	1		X		
14		B1		1220	1		X		
15		PROTICOL 1		1300				X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
				[signature]	TA-CHI	06/11/15	10:15
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: FedEx Priority
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:
*Neutral Leach Metals Incl:
As, Sb, Ba, Be, B, Cd, Cr, Co, Cu, Fe, Pb, Mn, Mo, Ni, K, Se, Ag, Na, Tl, Zn, Hg
(See lab quote 50010899-0)

Lab Comments:

MWG13-15_49625
6/24/2015

TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Stadelmann, Bonnie M	Carrier Tracking No(s):	COC No: 500-62242.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: bonnie.stadelmann@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 500-97217-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 6/23/2015			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: Protocol B & ASTM Leach Metals	Project #: 50011056			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9251_Total_Cl/5050	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Protocol 1 (500-97217-15)	6/9/15	13:00 Central		Solid			X	1	

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MWG13-15_49626 6/24/2015

Possible Hazard Identification
Unconfirmed

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
		06/11/15 1600	TAL			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/12/15 8:59	Company TA

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.8/3.3

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-97217-1

Login Number: 97217
List Number: 1
Creator: Sanchez, Ariel M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	9.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

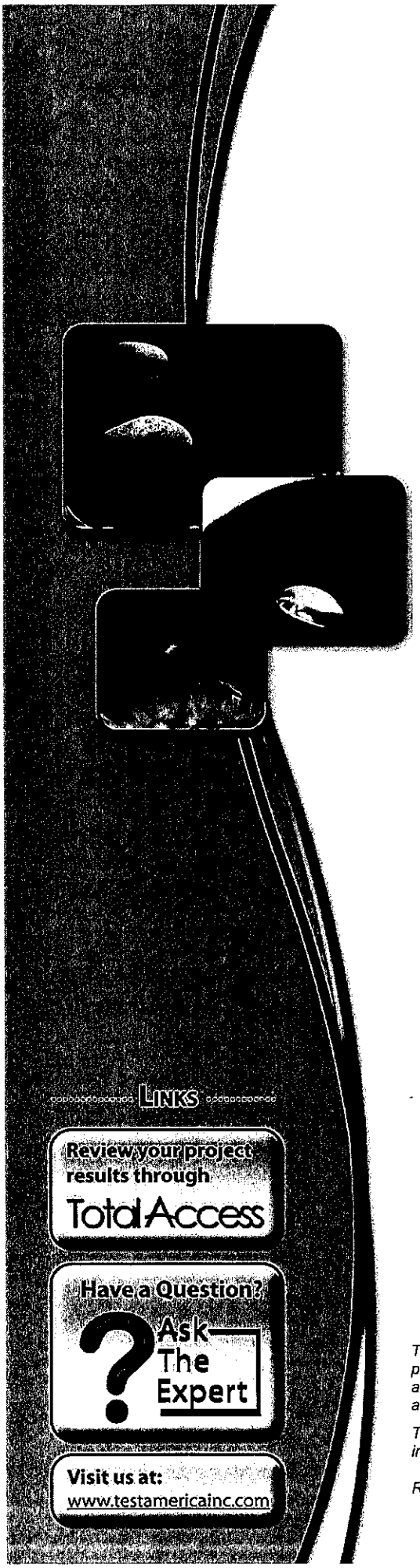
Client: KPRG and Associates, Inc.

Job Number: 500-97217-1

Login Number: 97217
List Number: 2
Creator: Riegner, Charlton A

List Source: TestAmerica Savannah
List Creation: 06/12/15 11:50 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



LINKS

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-99434-1
Client Project/Site: Confidential

For:
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 2B
Brookfield, Wisconsin 53005

Attn: Richard Gnat

Authorized for release by:
8/25/2015 11:49:16 AM

Bonnie Stadelmann, Senior Project Manager
(708)534-5200
bonnie.stadelmann@testamericainc.com

Table of Contents

Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-99434-1

Job ID: 500-99434-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-99434-1

Comments
No additional comments.

Receipt
The samples were received on 8/5/2015 1:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-99434-1

Client Sample ID: B2 — Lab Sample ID: 500-99434-1

No Detections.

Client Sample ID: B3 — Lab Sample ID: 500-99434-2

No Detections.

Client Sample ID: B4 — Lab Sample ID: 500-99434-3

No Detections.

Client Sample ID: B5 — Lab Sample ID: 500-99434-4

No Detections.

Client Sample ID: B6 — Lab Sample ID: 500-99434-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.12		0.10		mg/L	1		6010B	ASTM Leach

Client Sample ID: B7 — Lab Sample ID: 500-99434-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.16		0.10		mg/L	1		6010B	ASTM Leach

This Detection Summary does not include radiochemical test results.

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-99434-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-99434-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-99434-1	B2	Solid	08/05/15 09:34	08/05/15 13:10
500-99434-2	B3	Solid	08/05/15 09:45	08/05/15 13:10
500-99434-3	B4	Solid	08/05/15 10:00	08/05/15 13:10
500-99434-4	B5	Solid	08/05/15 10:10	08/05/15 13:10
500-99434-5	B6	Solid	08/05/15 10:25	08/05/15 13:10
500-99434-6	B7	Solid	08/05/15 10:40	08/05/15 13:10

Client Sample ID: B2
Date Collected: 08/05/15 09:34
Date Received: 08/05/15 13:10

Lab Sample ID: 500-99434-1
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:13	1
Arsenic	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:13	1
Barium	<0.50		0.50		mg/L		08/23/15 15:30	08/24/15 17:13	1
Beryllium	<0.0040		0.0040		mg/L		08/23/15 15:30	08/24/15 17:13	1
Boron	<0.10		0.10		mg/L		08/23/15 15:30	08/24/15 17:13	1
Cadmium	<0.0050		0.0050		mg/L		08/23/15 15:30	08/24/15 17:13	1
Chromium	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:13	1
Cobalt	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:13	1
Copper	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:13	1
Iron	<0.20		0.20		mg/L		08/23/15 15:30	08/24/15 17:13	1
Lead	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:13	1
Manganese	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:13	1
Molybdenum	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:13	1
Nickel	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:13	1
Potassium	<2.5		2.5		mg/L		08/23/15 15:30	08/24/15 17:13	1
Selenium	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:13	1
Silver	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:13	1
Sodium	<5.0		5.0		mg/L		08/23/15 15:30	08/24/15 17:13	1
Thallium	<0.25		0.25		mg/L		08/23/15 15:30	08/24/15 17:13	1
Zinc	<0.10		0.10		mg/L		08/23/15 15:30	08/24/15 17:13	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/15 15:00	08/24/15 11:27	1

Client Sample ID: B3
Date Collected: 08/05/15 09:45
Date Received: 08/05/15 13:10

Lab Sample ID: 500-99434-2
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:17	1
Arsenic	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:17	1
Barium	<0.50		0.50		mg/L		08/23/15 15:30	08/24/15 17:17	1
Beryllium	<0.0040		0.0040		mg/L		08/23/15 15:30	08/24/15 17:17	1
Boron	<0.10		0.10		mg/L		08/23/15 15:30	08/24/15 17:17	1
Cadmium	<0.0050		0.0050		mg/L		08/23/15 15:30	08/24/15 17:17	1
Chromium	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:17	1
Cobalt	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:17	1
Copper	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:17	1
Iron	<0.20		0.20		mg/L		08/23/15 15:30	08/24/15 17:17	1
Lead	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:17	1
Manganese	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:17	1
Molybdenum	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:17	1
Nickel	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:17	1
Potassium	<2.5		2.5		mg/L		08/23/15 15:30	08/24/15 17:17	1
Selenium	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:17	1
Silver	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:17	1
Sodium	<5.0		5.0		mg/L		08/23/15 15:30	08/24/15 17:17	1
Thallium	<0.25		0.25		mg/L		08/23/15 15:30	08/24/15 17:17	1

Client Sample ID: B3

Date Collected: 08/05/15 09:45
Date Received: 08/05/15 13:10

Lab Sample ID: 500-99434-2
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.10		0.10		mg/L		08/23/15 15:30	08/24/15 17:17	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/15 15:00	08/24/15 11:32	1

Client Sample ID: B4

Date Collected: 08/05/15 10:00
Date Received: 08/05/15 13:10

Lab Sample ID: 500-99434-3
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:33	1
Arsenic	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:33	1
Barium	<0.50		0.50		mg/L		08/23/15 15:30	08/24/15 17:33	1
Beryllium	<0.0040		0.0040		mg/L		08/23/15 15:30	08/24/15 17:33	1
Boron	<0.10		0.10		mg/L		08/23/15 15:30	08/24/15 17:33	1
Cadmium	<0.0050		0.0050		mg/L		08/23/15 15:30	08/24/15 17:33	1
Chromium	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:33	1
Cobalt	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:33	1
Copper	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:33	1
Iron	<0.20		0.20		mg/L		08/23/15 15:30	08/24/15 17:33	1
Lead	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:33	1
Manganese	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:33	1
Molybdenum	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:33	1
Nickel	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:33	1
Potassium	<2.5		2.5		mg/L		08/23/15 15:30	08/24/15 17:33	1
Selenium	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:33	1
Silver	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:33	1
Sodium	<5.0		5.0		mg/L		08/23/15 15:30	08/24/15 17:33	1
Thallium	<0.25		0.25		mg/L		08/23/15 15:30	08/24/15 17:33	1
Zinc	<0.10		0.10		mg/L		08/23/15 15:30	08/24/15 17:33	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/15 15:00	08/24/15 11:34	1

Client Sample ID: B5

Date Collected: 08/05/15 10:10
Date Received: 08/05/15 13:10

Lab Sample ID: 500-99434-4
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:37	1
Arsenic	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:37	1
Barium	<0.50		0.50		mg/L		08/23/15 15:30	08/24/15 17:37	1
Beryllium	<0.0040		0.0040		mg/L		08/23/15 15:30	08/24/15 17:37	1
Boron	<0.10		0.10		mg/L		08/23/15 15:30	08/24/15 17:37	1
Cadmium	<0.0050		0.0050		mg/L		08/23/15 15:30	08/24/15 17:37	1
Chromium	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:37	1

Client Sample ID: B5
Date Collected: 08/05/15 10:10
Date Received: 08/05/15 13:10

Lab Sample ID: 500-99434-4
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:37	1
Copper	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:37	1
Iron	<0.20		0.20		mg/L		08/23/15 15:30	08/24/15 17:37	1
Lead	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:37	1
Manganese	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:37	1
Molybdenum	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:37	1
Nickel	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:37	1
Potassium	<2.5		2.5		mg/L		08/23/15 15:30	08/24/15 17:37	1
Selenium	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:37	1
Silver	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:37	1
Sodium	<5.0		5.0		mg/L		08/23/15 15:30	08/24/15 17:37	1
Thallium	<0.25		0.25		mg/L		08/23/15 15:30	08/24/15 17:37	1
Zinc	<0.10		0.10		mg/L		08/23/15 15:30	08/24/15 17:37	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/15 15:00	08/24/15 11:36	1

Client Sample ID: B6
Date Collected: 08/05/15 10:25
Date Received: 08/05/15 13:10

Lab Sample ID: 500-99434-5
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:41	1
Arsenic	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:41	1
Barium	<0.50		0.50		mg/L		08/23/15 15:30	08/24/15 17:41	1
Beryllium	<0.0040		0.0040		mg/L		08/23/15 15:30	08/24/15 17:41	1
Boron	**0.12**		0.10		mg/L		08/23/15 15:30	08/24/15 17:41	1
Cadmium	<0.0050		0.0050		mg/L		08/23/15 15:30	08/24/15 17:41	1
Chromium	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:41	1
Cobalt	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:41	1
Copper	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:41	1
Iron	<0.20		0.20		mg/L		08/23/15 15:30	08/24/15 17:41	1
Lead	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:41	1
Manganese	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:41	1
Molybdenum	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:41	1
Nickel	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:41	1
Potassium	<2.5		2.5		mg/L		08/23/15 15:30	08/24/15 17:41	1
Selenium	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:41	1
Silver	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:41	1
Sodium	<5.0		5.0		mg/L		08/23/15 15:30	08/24/15 17:41	1
Thallium	<0.25		0.25		mg/L		08/23/15 15:30	08/24/15 17:41	1
Zinc	<0.10		0.10		mg/L		08/23/15 15:30	08/24/15 17:41	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/15 15:00	08/24/15 11:38	1

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-99434-1

Client Sample ID: B7
Date Collected: 08/05/15 10:40
Date Received: 08/05/15 13:10

Lab Sample ID: 500-99434-6
Matrix: Solid

Method: 6010B - Metals (ICP) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:52	1
Arsenic	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:52	1
Barium	<0.50		0.50		mg/L		08/23/15 15:30	08/24/15 17:52	1
Beryllium	<0.0040		0.0040		mg/L		08/23/15 15:30	08/24/15 17:52	1
Boron	**0.16**		0.10		mg/L		08/23/15 15:30	08/24/15 17:52	1
Cadmium	<0.0050		0.0050		mg/L		08/23/15 15:30	08/24/15 17:52	1
Chromium	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:52	1
Cobalt	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:52	1
Copper	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:52	1
Iron	<0.20		0.20		mg/L		08/23/15 15:30	08/24/15 17:52	1
Lead	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:52	1
Manganese	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:52	1
Molybdenum	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:52	1
Nickel	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:52	1
Potassium	<2.5		2.5		mg/L		08/23/15 15:30	08/24/15 17:52	1
Selenium	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:52	1
Silver	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:52	1
Sodium	<5.0		5.0		mg/L		08/23/15 15:30	08/24/15 17:52	1
Thallium	<0.25		0.25		mg/L		08/23/15 15:30	08/24/15 17:52	1
Zinc	<0.10		0.10		mg/L		08/23/15 15:30	08/24/15 17:52	1

Method: 7470A - Mercury (CVAA) - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/15 15:00	08/24/15 11:40	1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Metals

Leach Batch: 301047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99434-1	B2	ASTM Leach	Solid	D3987-85	
500-99434-1 DU	B2	ASTM Leach	Solid	D3987-85	
500-99434-1 MS	B2	ASTM Leach	Solid	D3987-85	
500-99434-2	B3	ASTM Leach	Solid	D3987-85	
500-99434-2 DU	B3	ASTM Leach	Solid	D3987-85	
500-99434-2 MS	B3	ASTM Leach	Solid	D3987-85	
500-99434-3	B4	ASTM Leach	Solid	D3987-85	
500-99434-4	B5	ASTM Leach	Solid	D3987-85	
500-99434-5	B6	ASTM Leach	Solid	D3987-85	
500-99434-6	B7	ASTM Leach	Solid	D3987-85	
LB3 500-301047/1-B	Method Blank	ASTM Leach	Solid	D3987-85	
LB3 500-301047/1-C	Method Blank	ASTM Leach	Solid	D3987-85	

Prep Batch: 301140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99434-1	B2	ASTM Leach	Solid	7470A	301047
500-99434-1 DU	B2	ASTM Leach	Solid	7470A	301047
500-99434-1 MS	B2	ASTM Leach	Solid	7470A	301047
500-99434-2	B3	ASTM Leach	Solid	7470A	301047
500-99434-3	B4	ASTM Leach	Solid	7470A	301047
500-99434-4	B5	ASTM Leach	Solid	7470A	301047
500-99434-5	B6	ASTM Leach	Solid	7470A	301047
500-99434-6	B7	ASTM Leach	Solid	7470A	301047
LB3 500-301047/1-B	Method Blank	ASTM Leach	Solid	7470A	301047
LCS 500-301140/13-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 500-301140/12-A	Method Blank	Total/NA	Solid	7470A	

Prep Batch: 301312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99434-1	B2	ASTM Leach	Solid	3010A	301047
500-99434-2	B3	ASTM Leach	Solid	3010A	301047
500-99434-2 DU	B3	ASTM Leach	Solid	3010A	301047
500-99434-2 MS	B3	ASTM Leach	Solid	3010A	301047
500-99434-3	B4	ASTM Leach	Solid	3010A	301047
500-99434-4	B5	ASTM Leach	Solid	3010A	301047
500-99434-5	B6	ASTM Leach	Solid	3010A	301047
500-99434-6	B7	ASTM Leach	Solid	3010A	301047
LB3 500-301047/1-C	Method Blank	ASTM Leach	Solid	3010A	301047
LCS 500-301312/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 301422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99434-1	B2	ASTM Leach	Solid	7470A	301140
500-99434-1 DU	B2	ASTM Leach	Solid	7470A	301140
500-99434-1 MS	B2	ASTM Leach	Solid	7470A	301140
500-99434-2	B3	ASTM Leach	Solid	7470A	301140
500-99434-3	B4	ASTM Leach	Solid	7470A	301140
500-99434-4	B5	ASTM Leach	Solid	7470A	301140
500-99434-5	B6	ASTM Leach	Solid	7470A	301140
500-99434-6	B7	ASTM Leach	Solid	7470A	301140
LB3 500-301047/1-B	Method Blank	ASTM Leach	Solid	7470A	301140

Metals (Continued)

Analysis Batch: 301422 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-301140/13-A	Lab Control Sample	Total/NA	Solid	7470A	301140
MB 500-301140/12-A	Method Blank	Total/NA	Solid	7470A	301140

Analysis Batch: 301493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-99434-1	B2	ASTM Leach	Solid	6010B	301312
500-99434-2	B3	ASTM Leach	Solid	6010B	301312
500-99434-2 DU	B3	ASTM Leach	Solid	6010B	301312
500-99434-2 MS	B3	ASTM Leach	Solid	6010B	301312
500-99434-3	B4	ASTM Leach	Solid	6010B	301312
500-99434-4	B5	ASTM Leach	Solid	6010B	301312
500-99434-5	B6	ASTM Leach	Solid	6010B	301312
500-99434-6	B7	ASTM Leach	Solid	6010B	301312
LB3 500-301047/1-C	Method Blank	ASTM Leach	Solid	6010B	301312
LCS 500-301312/2-A	Lab Control Sample	Total/NA	Solid	6010B	301312

Method: 6010B - Metals (ICP)

Lab Sample ID: LCS 500-301312/2-A
Matrix: Solid
Analysis Batch: 301493

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 301312

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.493		mg/L		99	80 - 120
Arsenic	0.100	0.0981		mg/L		98	80 - 120
Barium	2.00	2.04		mg/L		102	80 - 120
Beryllium	0.0500	0.0509		mg/L		102	80 - 120
Boron	1.00	0.941		mg/L		94	80 - 120
Cadmium	0.0500	0.0495		mg/L		99	80 - 120
Chromium	0.200	0.204		mg/L		102	80 - 120
Cobalt	0.500	0.507		mg/L		101	80 - 120
Copper	0.250	0.258		mg/L		103	80 - 120
Iron	1.00	1.02		mg/L		102	80 - 120
Lead	0.100	0.0990		mg/L		99	80 - 120
Manganese	0.500	0.504		mg/L		101	80 - 120
Molybdenum	1.00	1.01		mg/L		101	80 - 120
Nickel	0.500	0.499		mg/L		100	80 - 120
Potassium	10.0	10.1		mg/L		101	80 - 120
Selenium	0.100	0.0988		mg/L		99	80 - 120
Silver	0.0500	0.0489		mg/L		98	80 - 120
Sodium	10.0	10.3		mg/L		103	80 - 120
Thallium	0.100	0.0970	J	mg/L		97	80 - 120
Zinc	0.500	0.501		mg/L		100	80 - 120

Lab Sample ID: LB3 500-301047/1-C
Matrix: Solid
Analysis Batch: 301493

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 301312

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:05	1
Arsenic	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:05	1
Barium	<0.50		0.50		mg/L		08/23/15 15:30	08/24/15 17:05	1
Beryllium	<0.0040		0.0040		mg/L		08/23/15 15:30	08/24/15 17:05	1
Boron	<0.10		0.10		mg/L		08/23/15 15:30	08/24/15 17:05	1
Cadmium	<0.0050		0.0050		mg/L		08/23/15 15:30	08/24/15 17:05	1
Chromium	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:05	1
Cobalt	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:05	1
Copper	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:05	1
Iron	<0.20		0.20		mg/L		08/23/15 15:30	08/24/15 17:05	1
Lead	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:05	1
Manganese	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:05	1
Molybdenum	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:05	1
Nickel	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:05	1
Potassium	<2.5		2.5		mg/L		08/23/15 15:30	08/24/15 17:05	1
Selenium	<0.050		0.050		mg/L		08/23/15 15:30	08/24/15 17:05	1
Silver	<0.025		0.025		mg/L		08/23/15 15:30	08/24/15 17:05	1
Sodium	<5.0		5.0		mg/L		08/23/15 15:30	08/24/15 17:05	1
Thallium	<0.25		0.25		mg/L		08/23/15 15:30	08/24/15 17:05	1
Zinc	<0.10		0.10		mg/L		08/23/15 15:30	08/24/15 17:05	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 500-99434-2 MS
Matrix: Solid
Analysis Batch: 301493

Client Sample ID: B3
Prep Type: ASTM Leach
Prep Batch: 301312

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.050		0.500	0.503		mg/L		101	50 - 150
Arsenic	<0.050		0.100	0.101		mg/L		101	50 - 150
Barium	<0.50		2.00	2.15		mg/L		101	50 - 150
Beryllium	<0.0040		0.0500	0.0507		mg/L		101	50 - 150
Boron	<0.10		1.00	1.01		mg/L		95	50 - 150
Cadmium	<0.0050		0.0500	0.0500		mg/L		100	50 - 150
Chromium	<0.025		0.200	0.201		mg/L		100	50 - 150
Cobalt	<0.025		0.500	0.515		mg/L		103	50 - 150
Copper	<0.025		0.250	0.257		mg/L		103	50 - 150
Iron	<0.20		1.00	0.977		mg/L		98	50 - 150
Lead	<0.050		0.100	0.101		mg/L		101	50 - 150
Manganese	<0.025		0.500	0.500		mg/L		100	50 - 150
Molybdenum	<0.050		1.00	1.03		mg/L		103	50 - 150
Nickel	<0.025		0.500	0.508		mg/L		102	50 - 150
Potassium	<2.5		10.0	10.4		mg/L		104	50 - 150
Selenium	<0.050		0.100	0.0980		mg/L		98	50 - 150
Silver	<0.025		0.0500	0.0480		mg/L		96	50 - 150
Sodium	<5.0		10.0	11.6		mg/L		102	50 - 150
Thallium	<0.25		0.100	<0.25		mg/L		96	50 - 150
Zinc	<0.10		0.500	0.516		mg/L		103	50 - 150

Lab Sample ID: 500-99434-2 DU
Matrix: Solid
Analysis Batch: 301493

Client Sample ID: B3
Prep Type: ASTM Leach
Prep Batch: 301312

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	<0.050		<0.050		mg/L		NC	20
Arsenic	<0.050		<0.050		mg/L		NC	20
Barium	<0.50		<0.50		mg/L		NC	20
Beryllium	<0.0040		<0.0040		mg/L		NC	20
Boron	<0.10		<0.10		mg/L		NC	20
Cadmium	<0.0050		<0.0050		mg/L		NC	20
Chromium	<0.025		<0.025		mg/L		NC	20
Cobalt	<0.025		<0.025		mg/L		NC	20
Copper	<0.025		<0.025		mg/L		NC	20
Iron	<0.20		<0.20		mg/L		NC	20
Lead	<0.050		<0.050		mg/L		NC	20
Manganese	<0.025		<0.025		mg/L		NC	20
Molybdenum	<0.050		<0.050		mg/L		NC	20
Nickel	<0.025		<0.025		mg/L		NC	20
Potassium	<2.5		<2.5		mg/L		NC	20
Selenium	<0.050		<0.050		mg/L		NC	20
Silver	<0.025		<0.025		mg/L		NC	20
Sodium	<5.0		<5.0		mg/L		NC	20
Thallium	<0.25		<0.25		mg/L		NC	20
Zinc	<0.10		<0.10		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-301140/12-A
Matrix: Solid
Analysis Batch: 301422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 301140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/15 15:00	08/24/15 11:14	1

Lab Sample ID: LCS 500-301140/13-A
Matrix: Solid
Analysis Batch: 301422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 301140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00204		mg/L		102	80 - 120

Lab Sample ID: LB3 500-301047/1-B
Matrix: Solid
Analysis Batch: 301422

Client Sample ID: Method Blank
Prep Type: ASTM Leach
Prep Batch: 301140

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/15 15:00	08/24/15 11:25	1

Lab Sample ID: 500-99434-1 MS
Matrix: Solid
Analysis Batch: 301422

Client Sample ID: B2
Prep Type: ASTM Leach
Prep Batch: 301140

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00020		0.00100	0.000565		mg/L		57	50 - 150

Lab Sample ID: 500-99434-1 DU
Matrix: Solid
Analysis Batch: 301422

Client Sample ID: B2
Prep Type: ASTM Leach
Prep Batch: 301140

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.00020		<0.00020		mg/L		NC	20

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-99434-1

Client Sample ID: B2

Lab Sample ID: 500-99434-1
Matrix: Solid
Date Collected: 08/05/15 09:34
Date Received: 08/05/15 13:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			301047	08/20/15 14:00	FXG	TAL CHI
ASTM Leach	Prep	3010A			301312	08/23/15 15:30	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	301493	08/24/15 17:13	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			301047	08/20/15 14:00	FXG	TAL CHI
ASTM Leach	Prep	7470A			301140	08/21/15 15:00	MJD	TAL CHI
ASTM Leach	Analysis	7470A		1	301422	08/24/15 11:27	MJD	TAL CHI

Client Sample ID: B3

Lab Sample ID: 500-99434-2
Matrix: Solid
Date Collected: 08/05/15 09:45
Date Received: 08/05/15 13:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			301047	08/20/15 14:00	FXG	TAL CHI
ASTM Leach	Prep	3010A			301312	08/23/15 15:30	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	301493	08/24/15 17:17	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			301047	08/20/15 14:00	FXG	TAL CHI
ASTM Leach	Prep	7470A			301140	08/21/15 15:00	MJD	TAL CHI
ASTM Leach	Analysis	7470A		1	301422	08/24/15 11:32	MJD	TAL CHI

Client Sample ID: B4

Lab Sample ID: 500-99434-3
Matrix: Solid
Date Collected: 08/05/15 10:00
Date Received: 08/05/15 13:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			301047	08/20/15 14:00	FXG	TAL CHI
ASTM Leach	Prep	3010A			301312	08/23/15 15:30	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	301493	08/24/15 17:33	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			301047	08/20/15 14:00	FXG	TAL CHI
ASTM Leach	Prep	7470A			301140	08/21/15 15:00	MJD	TAL CHI
ASTM Leach	Analysis	7470A		1	301422	08/24/15 11:34	MJD	TAL CHI

Client Sample ID: B5

Lab Sample ID: 500-99434-4
Matrix: Solid
Date Collected: 08/05/15 10:10
Date Received: 08/05/15 13:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			301047	08/20/15 14:00	FXG	TAL CHI
ASTM Leach	Prep	3010A			301312	08/23/15 15:30	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	301493	08/24/15 17:37	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			301047	08/20/15 14:00	FXG	TAL CHI
ASTM Leach	Prep	7470A			301140	08/21/15 15:00	MJD	TAL CHI
ASTM Leach	Analysis	7470A		1	301422	08/24/15 11:36	MJD	TAL CHI

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-99434-1

Client Sample ID: B6

Date Collected: 08/05/15 10:25
Date Received: 08/05/15 13:10

Lab Sample ID: 500-99434-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			301047	08/20/15 14:00	FXG	TAL CHI
ASTM Leach	Prep	3010A			301312	08/23/15 15:30	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	301493	08/24/15 17:41	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			301047	08/20/15 14:00	FXG	TAL CHI
ASTM Leach	Prep	7470A			301140	08/21/15 15:00	MJD	TAL CHI
ASTM Leach	Analysis	7470A		1	301422	08/24/15 11:38	MJD	TAL CHI

Client Sample ID: B7

Date Collected: 08/05/15 10:40
Date Received: 08/05/15 13:10

Lab Sample ID: 500-99434-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
ASTM Leach	Leach	D3987-85			301047	08/20/15 14:00	FXG	TAL CHI
ASTM Leach	Prep	3010A			301312	08/23/15 15:30	PJH	TAL CHI
ASTM Leach	Analysis	6010B		1	301493	08/24/15 17:52	PJ1	TAL CHI
ASTM Leach	Leach	D3987-85			301047	08/20/15 14:00	FXG	TAL CHI
ASTM Leach	Prep	7470A			301140	08/21/15 15:00	MJD	TAL CHI
ASTM Leach	Analysis	7470A		1	301422	08/24/15 11:40	MJD	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Certification Summary

Client: KPRG and Associates, Inc.
Project/Site: Confidential

TestAmerica Job ID: 500-99434-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury

TestAmerica

THE LEADER IN ENVIR

TestAmerica Chicag
2417 Bond St.
University Park, IL 60
708-534-5200
Fax. 708-534-5211

500-99434 COC

Report To:	Bill To:
Contact: RICHARD GNAT	Contact:
Company: KPRG AND ASSOCIATES	Company:
Address:	Address:
Phone:	Phone:
Email:	Email
	PO #:

Lab Lot # 500-99434

Package Sealed	Samples Sealed
Yes (No)	Yes (No)
Received on Ice	**Samples Intact**
Yes (No)	(Yes) No N/A

Temperature °C of Cooler: Unchilled

Within Hold Time	Preserv. Indicated
(Yes) No	Yes No (N/A)
pH Check OK	**Res Cl_2 Check OK**
Yes (No)	Yes No (N/A)

Sample Labels and COC Agree
(Yes) No COC not present

Sampler Name:	Signature:	Project Name:	TestAmerica Project Number:	Project Location:	TAT
PATRICK ALLENSTEIN		CONFIDENTIAL	50011056	WILL COUNTY, IL	STANDARD

Lab PM: Bonnie Stadelmann

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	Neural Leach Metals	Additional Analyses / Remarks
1		B2	8-5	934	S		X	
2		B3		945			X	
3		B4		1000			X	
4		B5		1010			X	
5		B6		1025			X	
6		B7		1040			X	

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
	KPRG	8-5	1310		TA-CHI	8/5/15	1310
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:

Matrix Key

WW = Wastewater	SE = Sediment
W = Water	SO = Solid
S = Soil	DL = Drum Liquid
SL = Sludge	DS = Drum Solid
MS = Miscellaneous	L = Leachate
OL = Oil	W = Wipe
A = Air	O = _____

Container Key

1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

_____

Preservative Key

1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:
As, Sb, Ba, Be, B, Cd, Cr, Co, Cu, Fe, Pb, Mn, Mo, Ni, K, Se, Ag, Na, Tl, Zn

Date Received ___/___/___
Courier:
Hand Delivered ☐
Bill of Lading:

1 of 1

STL-8208 (0600) MWG13-15_49648 8/25/2015

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-99434-1

Login Number: 99434
List Number: 1
Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	metals only - acceptable
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Unchilled
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT 2

Statistical Equations Used

STATISTICAL EQUATIONS USED

1) Mean (μ) = $1/n$ ($\sum\mu_i$), where n is the number of samples

2) Variance (s^2) = $1/(n-1)$ ($\sum(\mu_i - \mu)^2$

3) Standard Deviation (s) = $\sqrt{}$Variance

4) Coefficient of Variance (CV) = s/μ

5) Standard Error (s_μ) = $s/\sqrt{n}$

6) 95% Upper Confidence Limit (UCL_{95}) = μ + ($t_{0.95(n-1)}$)(s_μ), where $t_{0.95(n-1)}$ is obtained from the one-tailed Student's *t* Distribution table

7) λ = (RT - μ)/s, where RT is the regulatory threshold concentration

8) Mean of the Lognormal Distribution (μ_{Ln}) = $\exp[y_i+(s^2_y/2)]$, where y_i is the mean of the natural logs of μ_i and s^2_y is the variance of the natural logs of μ_i

9) Standard Deviation of the Lognormal Distribution (s_{Ln}) = $\sqrt{\{(\mu_{Ln})^2[\exp(s^2_y)-1]\}}$

10) Winsorized Standard Deviation (s_w) = [s(n-1)/(v-1)], where s is the standard deviation of the Winsorized data set and v is the number of data not adjusted during Winzorization.

TABLE 4-3

NUMBER OF OBSERVATIONS FOR t TEST OF MEAN

Single-Sided Test / Double-Sided Test		Level of t Test																			
		α=0.005 α=0.01					α=0.01 α=0.02					α=0.025 α=0.05					α=0.05 α=0.1				
β=		0.01	0.05	0.1	0.2	0.5	0.01	0.05	0.1	0.2	0.5	0.01	0.05	0.1	0.2	0.5	0.01	0.05	0.1	0.2	0.5
λ Value	0.05																				0.05
	0.10																				0.10
	0.15																			122	0.15
	0.20										139					99				70	0.20
	0.25					110					90				128	64			139	101	45	0.25
	0.30				134	78				115	63			119	90	45		122	97	71	32	0.30
	0.35			125	99	58			109	85	47		109	88	67	34		90	72	52	24	0.35
	0.40		115	97	77	45		101	85	66	37	117	84	68	51	26	101	70	55	40	19	0.40
	0.45		92	77	62	37	110	81	68	53	30	93	67	54	41	21	80	55	44	33	15	0.45
	0.50	100	75	63	51	30	90	66	55	43	25	76	54	44	34	18	65	45	36	27	13	0.50
	0.55	83	63	53	42	26	75	55	46	36	21	63	45	37	28	15	54	38	30	22	11	0.55
	0.60	71	53	45	36	22	63	47	39	31	18	53	38	32	24	13	46	32	26	19	9	0.60
	0.65	61	46	39	31	19	55	41	34	27	16	46	33	27	21	12	39	28	22	17	8	0.65
	0.70	53	40	34	28	17	47	35	30	24	14	40	29	24	19	10	34	24	19	15	8	0.70
	0.75	47	36	30	25	16	42	31	27	21	13	35	26	21	16	9	30	21	17	13	7	0.75
	0.80	41	32	27	22	14	37	28	24	19	12	31	22	19	15	9	27	19	15	12	6	0.80
	0.85	37	29	24	20	13	33	25	21	17	11	28	21	17	13	8	24	17	14	11	6	0.85
	0.90	34	26	22	18	12	29	23	19	16	10	25	19	16	12	7	21	15	13	10	5	0.90
	0.95	31	24	20	17	11	27	21	18	14	9	23	17	14	11	7	19	14	11	9	5	0.95
	1.00	28	22	19	16	10	25	19	16	13	9	21	16	13	10	6	18	13	11	8	5	1.00
	1.1	24	19	16	14	9	21	16	14	12	8	18	13	11	9	6	15	11	9	7		1.1
	1.2	21	16	14	12	8	18	14	12	10	7	15	12	10	8	5	13	10	8	6		1.2
	1.3	18	15	13	11	8	16	13	11	9	6	14	10	9	7		11	8	7	6		1.3
	1.4	16	13	12	10	7	14	11	10	9	6	12	9	8	7		10	8	7	5		1.4
	1.5	15	12	11	9	7	13	10	9	8	6	11	8	7	6		9	7	6			1.5
	1.6	13	11	10	8	6	12	10	9	7	6	10	8	7	6		8	6	6			1.6
	1.7	12	10	9	8	6	11	9	8	7		9	7	6	5		8	6	5			1.7
	1.8	12	10	9	8	6	10	8	7	7		8	7	6			7	6				1.8
	1.9	11	9	8	7	6	10	8	7	6		8	6	6			7	5				1.9
	2.0	10	8	8	7	5	9	7	7	6		7	6	5			6					2.0
	2.1	10	8	7	7		8	7	6	6		7	6				6					2.1
	2.2	9	8	7	6		8	7	6	5		7	6				6					2.2
	2.3	9	7	7	6		8	6	6			6	5				5					2.3
	2.4	8	7	7	6		7	6	6			6										2.4
	2.5	8	7	6	6		7	6	6			6										2.5
	3.0	7	6	6	5		6	5	5			5										3.0
	3.5	6	5	5			5															3.5
	4.0	6																				4.0