RCRA FACILITY INVESTIGATION (RFI) RESULTS OF OFF-SITE SUPPLEMENTAL LEAD INVESTIGATION ATTICA, INDIANA USEPA ID# IND00810754

Prepared for

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List of Acronyms

AERMAP	American Meteorological Society/EPA Regulatory Model Terrain Preprocessor
AERMET	AERMOD meteorological preprocessor
AERMOD	American Meteorological Society/EPA Regulatory Model
ASOS	Automated Surface Observing System
BEEST	AERMOD Modeling Software
bgs	Below Ground Surface
C&D	C&D Technologies
COC	Chain of Custody
EPC	Exposure Point Concentration
IDEM	Indiana Department of Environmental Management
IEUBK	Integrated Uptake Biokinetic (model)
LCS	Laboratory Control Sample
mg/kg	milligrams per kilogram
NED	National Elevation Dataset
oz	Ounce
PTE	Potential to Emit
PVC	Poly Vinyl Chloride
QAPP	Quality Assurance Project Plan
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
SDG	Sample Delivery Group
SV	Screening Value
UCL	Upper Confidence Limit
URS	URS Corporation
U.S. EPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UTM	Universal Transverse Mercator (coordinate system)
XRF	X-ray Fluorescence

1.1 BACKGROUND

C&D Technologies (C&D) retained URS Corporation (URS) to develop and implement an environmental investigative program for C&D's Attica Indiana Facility located at 200 West Main Street, Attica, Fountain County, Indiana (the Site or Facility).

On June 21, 2011, C&D Technologies received a letter from the U.S. Environmental Protection Agency (EPA), Region 5 requesting additional work due to the preliminary results from the RCRA facility investigation that was conducted by C&D. The RCRA investigation included collecting off site soil samples from 4 locations in a commercial area north of the property and 16 locations in the rights of way in nearby residential areas. Although the results from the investigation indicated that residential lead levels did not exceed Indiana Department of Environmental Management (IDEM) Residential Soil Direct Closure Levels (URS, 2008, 2009), EPA concluded that there was a potential for lead contamination in the residential area due to its close proximity to the facility. As a result, EPA requested that C&D further assess the potential migration of lead from battery manufacturing operations in order to add certainty to the RCRA investigation.

On behalf of C&D, URS developed a Supplemental Lead Sampling Plan (URS, 2011) in order to address the residential area adjacent to the facility. The Sampling Plan proposed to collect soil samples on the actual homeowner's property (not in easement or town-owned right of way) in order to obtain a more accurate lead exposure potential. The Sampling Plan proposed to conduct the sampling in two phases: the first phase (Phase 1) would address 10 to 12 properties near the facility; while Phase 2 of the soil sampling investigation (if needed) would be performed at up to 20 properties located beyond the initial 10 to 12, dependent upon the results of the Phase 1 soil samples.

The following report summarizes the results from Phase 1 of the soil sampling investigation that was conducted on December 19 and 20, 2011. Included in this report is an explanation on how the soil sampling sites were selected, what sampling procedures were employed, followed by the results from the soil sampling investigation.

1.2 SITE SELECTION

In concert with EPA's request to sample additional properties near the C&D facility, EPA offered the following recommendations to aid in the selection of future sampling locations in order to obtain a more accurate assessment of lead in residential soil. Specifically, the recommendations for analysis were:

- Additional sampling of residential areas that are actually on homeowner property (not in easement or town-owned right of way) to obtain a more accurate lead exposure potential.
- Sampling locations should be based on air dispersion modeling and/or monitored air data. The sampling locations should be conducted in the areas focusing on the susceptible receptors. Applicable areas include residential lots, parks, play areas, and day care centers.

- Use air dispersion modeling to aid in predicting the spatial extent of the lead emission in the offsite area.

The following section describes the process URS followed in order to identify the residential areas and properties to be sampled.

2.1 AIR DISPERSION MODELING STUDY

URS prepared a modeling analysis for lead emissions released from the C&D facility located in Attica, Indiana. The modeling procedures used to conduct the analysis were based on recommendations given in the EPA Guideline on Air Quality Models (EPA, 2005). The American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) modeling system was employed in the C&D modeling analysis. AERMOD is identified as the "preferred" model in the EPA Guideline on Air Quality Models.

2.1.1 UTM Coordinates

As recommended in AERMOD Guidelines, all coordinates should be in the Universal Transverse Mercator (UTM) coordinate system. Summarized in the Input Parameters table (refer to Appendix A) are the UTM coordinates for each stack and building; note that the datum which the coordinates are based is WGS84.

2.1.2 Meteorological Data

Meteorological data used in AERMOD were obtained through the IDEM Air Dispersion Modeling section, which included both surface and profile data for 2006 – 2010 for Fountain County, IN [1-min Automated Surface Observing System (ASOS)]. As specified by EPA's modeling guidance and support document, the use of the pre-processed meteorological data set precludes the need to run AERMET which was used by IDEM when preparing the 2006-2010 dataset.

2.1.3 AERMAP Elevations

AERMAP has been revised (beginning with BEEST version 9.84) to support processing of terrain elevations from the National Elevation Dataset (NED) developed by the U.S. Geological Survey (USGS, 2002). An important component of the NED data is that it is being actively supported and checked for quality; therefore, NED represents a more up-to-date and improved resource for terrain elevations for use with AERMAP. In order to accommodate the large area being modeled, the NED data set utilized included the following Indiana towns; Mellott, Stone Bluff, Covington, Attica, Williamsport, West Lebanon, Chatterton, Pine Village and Tab.

2.1.4 Receptor Grid

As recommended in the AERMOD Guidelines, the C&D Air Dispersion model incorporated a 50 meter spacing along the facility boundary line, and a 100 meter spacing extending 5,000 meters.

2.1.5 Sources

Included in Appendix A is a summary of the modeling input parameters that were utilized in the C&D Air Dispersion Model. Figure 2-1 provides a detailed site map with the locations of the stacks, building and facility boundary line.

The input parameters such as stack height, temperature, velocity and diameter, as well as building dimensions and facility boundary were provided by C&D Technology personnel. Lead emissions associated with each stack were obtained from the most recent stack test that was conducted for the unit. In cases where the stack did not have any stack test results, the model incorporated the unit's Potential to Emit (PTE) emission factor in order to provide a conservative air dispersion result.

There were no fugitives sources identified at the facility, as the facility does not store lead products or materials outside which could result in fugitive lead emissions.

In addition, the facility does not operate 24 hours/day, 7 days/week, 52 weeks/year; therefore, operating restrictions were incorporated into the C&D Air Dispersion Model.

2.1.6 Deposition Modeling

Deposition modeling, also referred to as Method 1 in AERMOD, can be used when a significant fraction (greater than approximately 10 percent) of the total particulate mass has a diameter of 10 microns (μm) or larger. Due to the type of collectors utilized (baghouse or scrubbers) on most of the larger emitting stacks at this facility, the majority of the emissions are expected to be less than 10 μm and therefore minimizing the applicability of this model. In addition, the particle size distribution must also be known reasonably well in order to use Method 1. Currently, C&D has conducted particle size distribution analysis on only one (1) stack at the facility. Therefore, due to the lack of data currently available, URS was unable to perform a deposition analysis that would be representative of the facility's emissions.

2.2 SUMMARY OF MODELING RESULTS

The purpose of the air dispersion modeling analysis was to estimate the spatial extent of lead emissions in the off-site area. There were no other air monitoring data to compare the air dispersion modeling results to. URS has prepared two drawings (Figures 2-1 and 2-2 in Appendix A); Figure 2-1 provides a detailed site map with the locations of the stacks, building and facility boundary line, while Figure 2-2 provides the spatial extent of lead emissions in the near off-site area. URS compared the output from all 5 years that were modeled (2006-2010) and delineated three (3) areas; these include:

- Level 1: Lead concentration approximately 0.04 microgram/cubic meter ($\mu g/m^3$)
- Level 2: Lead concentration approximately 0.03 $\mu g/m^3$
- Level 3: Lead concentration approximately 0.02 $\mu g/m^3$

Soil sample locations were selected utilizing air dispersion modeling to define the area of greatest potential for lead impacts. Figure 2-2 (Appendix A) depicts the areas of potential lead impact, with Level 1 (potential lead air concentration of 0.04 $\mu g/m^3$) being the area of greatest potential. As part of the Phase 1 soil sampling investigation, URS focused on the nearest properties to C&D which fell within the areas with the potential for lead impacts. Only one residential property (304 W. Yount Street) immediately northeast of the facility falls within the Level 1 area. Four sampled properties east and northeast fall within the Level 2 area, and six sampled properties further east and northeast fall within the Level 3 area.

3.1 SOIL SAMPLE COLLECTION

Prior to conducting soil sampling activities, access to the residential property was obtained from the property owner; it should be noted that access obtained from tenants or renters was not sufficient. In order to obtain access to the homeowner's property in a timely manner, URS prepared an Access Action Plan (Newsletter), which served to inform the residents of the proposed soil sampling investigation. The Newsletter also included background information pertaining to historical soil sampling investigations completed to-date as well as an explanation as to why additional testing was required in the area. The Newsletter was distributed by C&D personnel during the week of November 14, 2011, and most access agreements were signed and returned by the week of December 5, 2011. One resident approached URS personnel and John Kapellach of C&D during sample collection activities that were being conducted at a neighboring house and requested samples be collected on her property. Mr. Kapellach informed the property owner that samples would be collected on her property located at 304 N. Water Street.

During the Phase 1 soil sampling investigation, 1 to 3 sets of 5 soil samples from 2 depth intervals were collected and composited from each selected property. The 5-sample sets were collected from similar areas (e.g., side yard, front yard) and were composited into 1 sample from each depth interval, representing the area of collection (e.g., side yard, front yard). It should be noted that the number of sets of soil samples collected was dependent on the property size, access to certain parts of the property (locked fences/gates), and non-traditional yard features not apparent in satellite imagery (e.g., grassy areas now used for parking/gravel driveways/dogs in fenced areas). Refer to Table 1 on the next page for a summary of the properties that were sampled.

TABLE 1 – Summary of Properties Sampled

Property Address	Date Sampling Performed	Number of Samples	Sample ID	Notes
204 N. Yount Street	12/19/2011	6	CD:204:NY:NW CD:204NY:W CD:204:NY:SE	Front (W) and both side yards (NW & SE) sampled. No back yard present.
304 W. Yount Street	12/19/2011	7	CD:304:WY:S CD:304:WY:E CD:304:WY:W	Front (E) and both side yards (S & W) sampled. An additional interval (6"-12") taken on south side.
307 N. Union Street	12/19/2011	6	CD:307:NU:N CD:307:NU:E CD:307:NU:W	Front (W), side (N) and back (E) yards sampled.
304 Third Street	12/20/2011	6	CD:304:NT:N CD:304:NT:W CD:304:NT:E	Front (E), side (N) and back (W) yards sampled.
404 Third Street	12/20/2011	2	CD:404:NT:W	Side (W) yard sampled. Front yard was a gravel parking area adjacent to road. Back Yard is fenced in garden with no access except the back door of the home. No one answered the door to allow access.
403 Third Street	12/20/2011	2	CD:403:NT:S	Side (S) yard sampled. Front yard was a gravel parking area and back yard was occupied with a shed and large 12'x12' non-play sand storage area.
204 W. Columbia	12/19/2011	6	CD:204:WC:N CD:204:WC:S CD:204:WC:E	Front (S) and both side (N &E) yards sampled. No back yard present.
300 W. Columbia	12/19/2011	6	CD:300:WC:N CD:300:WC:E CD:300:WC:S	Front (E), side (S) and back (N) yards sampled. Side yard samples taken from around child's play area. Back yard samples taken around above ground swimming pool.
106 W. Columbia	12/20/2011	4	CD:106:WC:E CD:106:WC:S	Front (S) and side (E) yards sampled. No backyard present due to large wooden deck and other side yard was filled with garage and storage shed.
105 W. Columbia	12/20/2011	4	CD:105:WC:N CD:105:WC:W	Front (W) and side (N) yards sampled. Back yard was fenced with two large dogs present and homeowner would not answer door to move dogs.
304 N. Water Street	12/19/2011	6	CD:304:NW:N CD:304:NW:W CD:304:NW:E	Front (E), side (N) and back (W) yards sampled.

Soil samples were collected from 0-2 inches and 2-6 inches below ground surface (bgs) using a stainless steel trowel. At one residence (304 W. Yount), Ms. Bhooma Sundar of the US EPA requested an additional sample depth (6-12 inches) be collected with the 5-sample set from the southwest side of the residence (immediately across the street from the C&D facility) to further vertically delineate potential impacts.

To the extent possible, surface vegetation and root matter were removed prior to the sample collection. A top surface "plug" of vegetation was removed prior to advancing the trowel and collecting the sample from the selected interval. Each interval was collected first in a single use zip-closure bag and homogenized. At each location, the X-ray fluorescence (XRF) field meter (see Section 3.2) was utilized to identify approximate lead concentrations in the field. Approximately 8 ounces (oz) of soil were then taken out of the bag and placed into laboratory provided sample containers, which were submitted to an independent analytical laboratory for further analysis. Once the soil sampling was complete, URS replaced the soil taken from the hole with potting soil, then replaced the top "plug" of vegetation that was initially removed. All excess soil from sampling activities was deposited into a single drum inside the C&D facility for proper disposal following receipt of analytical results.

Soil samples were collected using a clean trowel and new nitrile gloves at each sample location to prevent potential cross contamination of the sample. The trowel was decontaminated between each soil sample location using a mixture of water and soap to scrub off soil and a final rinse of deionized water. Decontamination water was containerized in a five gallon bucket. The decontamination water was disposed into the industrial sewer system at the C&D facility upon completion of the subsurface soil investigation.

Sample quality assurance in the field was assessed through the use of field (equipment) blanks and through the adherence to sample handling, preservation and holding times. Field sampling precision was assessed through the collection and measurement of field duplicates at a rate of at least 1 field duplicate for every 10 analytical samples for each analytical group. Each field duplicate was collected as a separate sample, so that each field duplicate required its own separate set of sample containers. Laboratory precision was assessed through the analysis of MS/MSD samples at the rate of 1 MS/MSD per 20 analytical samples, and also through the analysis of field duplicate samples collected in accordance to Section 3.1-2 of the Quality Assurance Project Plan (QAPP) (URS, 2007).

3.2 XRF PROCEDURES

The XRF meter was operated using the cup measurement method. The composited soil sample was placed in a new zip-closure bag and homogenized. The XRF operator took an aliquot from the zip-closure bag and placed it into a new plastic cup with Mylar covering. The cup containing the soil sample was placed into a tray for analysis by the XRF meter. The window of the meter was opened for approximately 60 seconds to obtain an accurate reading (EPA, 2009). Once the XRF results were recorded, the operator emptied the soil sample from the single use Mylar cup into the laboratory provided 8 oz glass container and mixed in additional homogenized soil from the zip-closure bag, prior to shipping the sample to the laboratory for analytical analysis.

Limitations for the XRF meter involving interference that could potentially affect data quality include sample preparation error, spectral interferences, and chemical matrix interferences. The preparation error was mitigated with proper sample homogenization and analysis (EPA, 2009). Spectral interference as well as chemical matrix interference cannot be controlled by the operator but would be noted if lab and field results differ greatly.

Another limitation of the XRF meter is the presence of excessive soil moisture. Soil moisture in the range of 15% - 25% are routinely reported to display values that are only 70% to 80% of what an analytical laboratory would find in the same sample (EPA, 2009). Soil moisture was noted in the field log when recording the field results to identify possible causes for discrepancies between field screening values and analytical data.

4.1 XRF SAMPLING RESULTS

As requested by EPA, composited soil samples were field screened for lead using XRF technology. Because the XRF meter is utilized primarily as a field screening tool, each of the soil samples were sent to a laboratory for further analysis in order to establish a correlation between XRF readings and actual laboratory data for lead concentrations.

XRF meter results for the soil samples collected on December 19-20, 2011 are summarized in Appendix B, which demonstrate a correlation to the laboratory lead results of r = 0.785.

4.2 SOIL SAMPLING RESULTS

As part of the Phase 1 soil sampling investigation, a total of 11 residential properties gave written access permission and were sampled on December 19 and 20, 2011; a total of 55 soil samples were collected (27 samples at 0-2 inches and 27 samples at 2-6 inches). In addition, per the EPA's request to collect one sample at 6-12 inches, an additional soil sample was collected at 304 W. Yount Street. In order to assess whether the soil samples collected from the residential properties exceeded the IDEM screening value for lead (400 mg/kg); for each sample site, an average concentration was calculated for all 0-2 inch depth samples, and an average concentration was calculated for all 2-6 inch depth samples. Refer to Table 2 for a summary of the results.

TABLE 2 – Average Lead Concentration

Sample Address	Average Lead Concentration at 0-2" Depth (mg/kg)	Average Lead Concentration at 2-6" Depth (mg/kg)	Lead Concentration at 6-12" Depth* (mg/kg)
~~204 W. Yount Street~~	177	194	--
~~304 W. Yount Street~~	333	340	340
~~307 W. Union Street~~	230	150	--
~~304 W. Third Street~~	142	160	--
~~404 W. Third Street~~	160**	200**	--
~~403 W. Third Street~~	350**	340**	--
~~204 W. Columbia~~	283	260	--
~~300 W. Columbia~~	114	109	--
~~306 W. Columbia~~	204	173	--
~~403 W. Columbia~~	155	140	--
~~[illegible]~~	297	320	--

*One sample collected at 6-12 inches, per EPA on-site request.
** Single composite, not averaged.

The use of the maximum concentration in an exposure area as Exposure Point Concentration (EPC) is not recommended by the EPA because it assumes the receptor spends all of his/her time at the one sampling location. An exposure area is defined as a location within which an exposed receptor may reasonably be assumed to move at random and where contact with an

environmental medium (e.g., soil) is equally likely at all sub-locations. Therefore, an estimate of the average concentration was incorporated for use as the EPC for an exposure area.

For chemicals other than lead, the EPC is a high-end estimate of the arithmetic mean (i.e., the 95th percentile upper confidence limit of the arithmetic mean concentration (95% UCL)). When evaluating risk from lead at residential properties, the yard is the exposure area and the EPC input to the Integrated Exposure Uptake Biokinetic (IEUBK) model is typically the arithmetic mean concentration rather than the 95% UCL. Validation studies have shown good agreement between blood lead concentration (PbB) distributions predicted by the IEUBK model and observed PbBs at Superfund sites, when the inputs to the model are arithmetic means of the exposure concentrations (Hogan et al. 1998).

The concentration term should represent a central estimate of the lead concentration in soils that a child is likely to ingest. In general, the arithmetic mean concentration for a residential yard or specific play area(s) provides an appropriate concentration term for risk assessment. The use of the arithmetic mean is predicated on the presumption that, in the absence of detailed child-specific data, a reasonable assumption is that a child will have equal contact with soils throughout a residential lot. This soil contact is assumed to occur on a routine, repeated basis. In the assessment of a residential environment, site-specific measurement data on soil concentrations in a child's yard or other exposure unit are necessary" (White et al. 1998).

Based on the results presented in Table 1, the average lead concentration found at depth 0 – 2 inches at the properties tested ranged from 114 mg/kg – 350 mg/kg. Similarly, the average lead concentration found at depth 2 – 6 inches ranged from 109 mg/kg – 340 mg/kg. Since only one sample was taken at depth 6 – 12 inches, an average lead concentration was not generated; however when compared to the soil sample taken directly above the 6 – 12 inch sample, the average lead concentration at depth 2 – 6 inches was the same concentration (340 mg/kg) found at depth 6 – 12 inches.

Of the 11 residential properties that were sampled during the December 2011 soil sampling investigation, only one (1) property was identified as having two areas designated for child's play (refer to Appendix C, Figure 1-G). These two areas were sampled and results from the soil sampling analysis revealed lead concentrations of 110 mg/kg and 162 mg/kg at depth 0 – 2 inches, and lead concentrations of 110 mg/kg and 140 mg/kg at depth 2 – 6 inches.

Results obtained from the December 2011 soil sampling investigation revealed that the average lead concentration found at each sample site fell well below the IDEM screening value of 400 mg/kg. It should be noted that no apparent trend was observed between the average lead concentration in the soil and the relative proximity to the plant. However, the highest individual composite concentrations were observed at properties within 250 ft of the facility boundary. Included in Appendix C are detailed site maps of the 11 residential properties, depicting the soil sampling locations, along with the corresponding lead concentrations.

As a result of the findings from the Phase 1 soil sampling investigation, the requirement to conduct additional Phase 2 soil sampling at more distant properties does not seem necessary based on the results summarized in this report.

4.3 DATA QUALITY REVIEW

The laboratory submitted two Sample Delivery Groups (SDGs) containing analytical results for lead in residential soil samples taken from around the C&D Technologies site in Attica, Indiana. The samples were collected December 19 and 20, 2011 by URS personnel. The samples were analyzed by Test America North Canton, using Methods 3050/6010B for the lead analyses, and percent moisture. The laboratory reports contained summary QC data, but did not include raw data or instrument calibrations. A data review was conducted to verify that the results met QC limit parameters (see Appendix E attached to this report). The sample analysis was found to have met all relevant laboratory batch QC parameters for both precision and accuracy without qualifications, and the data were 100% complete. Six blind field duplicates were also sent to the laboratory, and all met project field duplicate criteria (maximum for soils was 50% RPD between the parent sample and field duplicate).

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White PD, Van Leeuwen P, Davis BD, Maddaloni M, Hogan KA, Marcus AH, Elias RW. 1998. The Conceptual Structure of the Integrated Exposure Uptake Biokinetic Model for Lead in Children. Environ Health Perspect. 106 Suppl 6: 1513-30.

APPENDIX A

Input Parameters, Detailed Site Map and
Air Dispersion Modeling Results

URS

C&D TECHNOLOGIES, INC. ATTICA, IN

INPUT PARAMETERS

Model ID	EU Description	East UTM	North UTM	Elevation	Stack Height	Stack Temp	Stack Velocity	Stack Diameter	STACK TEST Lead Emission Rate	Controls	NOTES
		m	m	m	feet	°F	ft/sec	feet	lbs/hr		
18	Electric Sovema plate curing ovens	478786.06	4460633.90	164	28	140.0	26.00	1.00	0.0000074	None	
19	Electric Sovema plate curing ovens	478783.97	4460635.43	164	28	140.0	26.00	1.00	0.0000074	None	
20	Electric Sovema plate curing ovens	478781.87	4460637.20	164	28	140.0	26.00	1.00	0.0000074	None	
24	Natural gas-fired bone dry oven	478791.57	4460650.43	164	30	146.8	8.00	0.50	0.0000230	None	
25	Natural gas-fired bone dry oven	478794.93	4460647.83	164	30	146.8	8.00	0.50	0.0000230	None	
127	3PO-plate processing and 3PO-MP assembly	478784.31	4460622.64	164	20	83.9	64.00	2.00	0.0008900	Dust coll	
131	Central vacuum	478727.53	4460635.43	164	27	144.8	18.00	0.75	0.0001301	Dust coll	Includes emissions from 113, 124, 129, 130, 224
140	3PO-L plate assembly	478663.65	4460679.46	164	36	83.6	48.00	1.50	0.0066000	Dust coll	
141	3PO-L cell cover insert	478702.06	4460682.49	164	35	77.0	40.00	1.00	0.0002100	Dust coll	
142	3PO-L plate assembly	478728.07	4460664.98	164	36	83.6	48.00	1.50	0.0016000	HEPA	
151	3PO-plate processing	478728.19	4460655.74	164	35	62.6	562.00	2.00	0.0012000	Dust coll	
152	3PO-plate processing	478730.92	4460659.62	164	50	92.5	48.00	2.50	0.0003400	Dust coll	
159	Expander manufacturing	478658.95	4460649.40	164	36	76.8	68.00	1.50	0.0001300	Dust coll	
165	Natural gas-fired bone dry oven	478793.28	4460649.40	164	30	146.8	8.00	0.50	0.0000230	None	
166	3PO-L plate assembly	478680.30	4460664.59	164	30	61.0	33.00	2.00	0.0013000	Dust coll	
178	Formation	478748.34	4460668.93	164	30	61.0	47.00	1.33	0.0000300	None	
179	Natural gas-fired universal curing oven	478770.40	4460655.30	164	45	110.0	9.00	1.10	0.0000390	None	
180	Natural gas-fired universal curing oven	478768.65	4460656.70	164	45	110.0	9.00	1.10	0.0000390	None	
188	3PO-MCT plate assembly	478713.72	4460637.48	164	25	86.9	67.00	2.80	0.0028000	Dust coll	
195	Small parts flaming	478848.00	4460736.11	164	35	102.1	76.00	3.20	0.0006700	Dust coll	
196	Grid casting operation	478806.52	4460696.57	164	30	177.7	48.30	3.40	0.0400000	None	
226	Natural gas-fired grid curing oven	478804.47	4460694.13	164	19	125.0	194.9	0.33	0.0000050	None	
227	Natural gas-fired grid curing oven	478816.70	4460688.25	164	19	125.0	194.9	0.33	0.0001400	None	
228	Natural gas-fired grid curing oven	478793.52	4460658.90	164	19	125.0	194.9	0.33	0.0000400	Scrubber	
230	Grid pasting and pasted plate processing machines	478744.25	4460682.52	164	45	66.0	1,418.2	0.67	0.0026402	Scrubber	Includes emissions from 249 and 250
231	Paste mixing system	478771.90	4460688.41	164	35	85.4	283.6	0.67	0.0007200	Dust coll	
232	Binvent	478766.73	4460684.61	164	25	120.0	64.2	0.42	0.0001490	Dust coll	
233	Binvent	478794.73	4460655.70	164	25	78.0	145	0.42	0.0012000	None	
234	Natural gas-fired OSI universal oven	478796.28	4460654.54	164	20	125.0	194.9	0.33	0.0000788	None	From stack test results for 237
235	Natural gas-fired OSI universal oven	478798.27	4460652.83	164	20	125.0	194.9	0.33	0.0000079	None	
237	Natural gas-fired OSI universal oven	478799.87	4460651.79	164	20	125.0	194.9	0.33	0.0000200	None	
238	Natural gas-fired OSI universal oven	478679.93	4460649.41	164	20	125.0	194.9	0.33	0.0000788	Dust coll	From stack test results for 237
244	LCT 1700 assembly with two jigs	478728.40	4460612.40	164	31	125.0	71.4	2.67	0.0005500	Dust coll	
246	LCT 1700 battery curing ovens	478704.07	4460629.46	164	11	107.0	25.5	1.00	0.0000027	None	
247	3PO-plate processing and 3PO-JC/D assembly	478728.40	4460612.40	164	25	79.5	48.7	4.67	0.0067000	Dust coll	

Legend

- Stack Locations
- Property Boundary

N

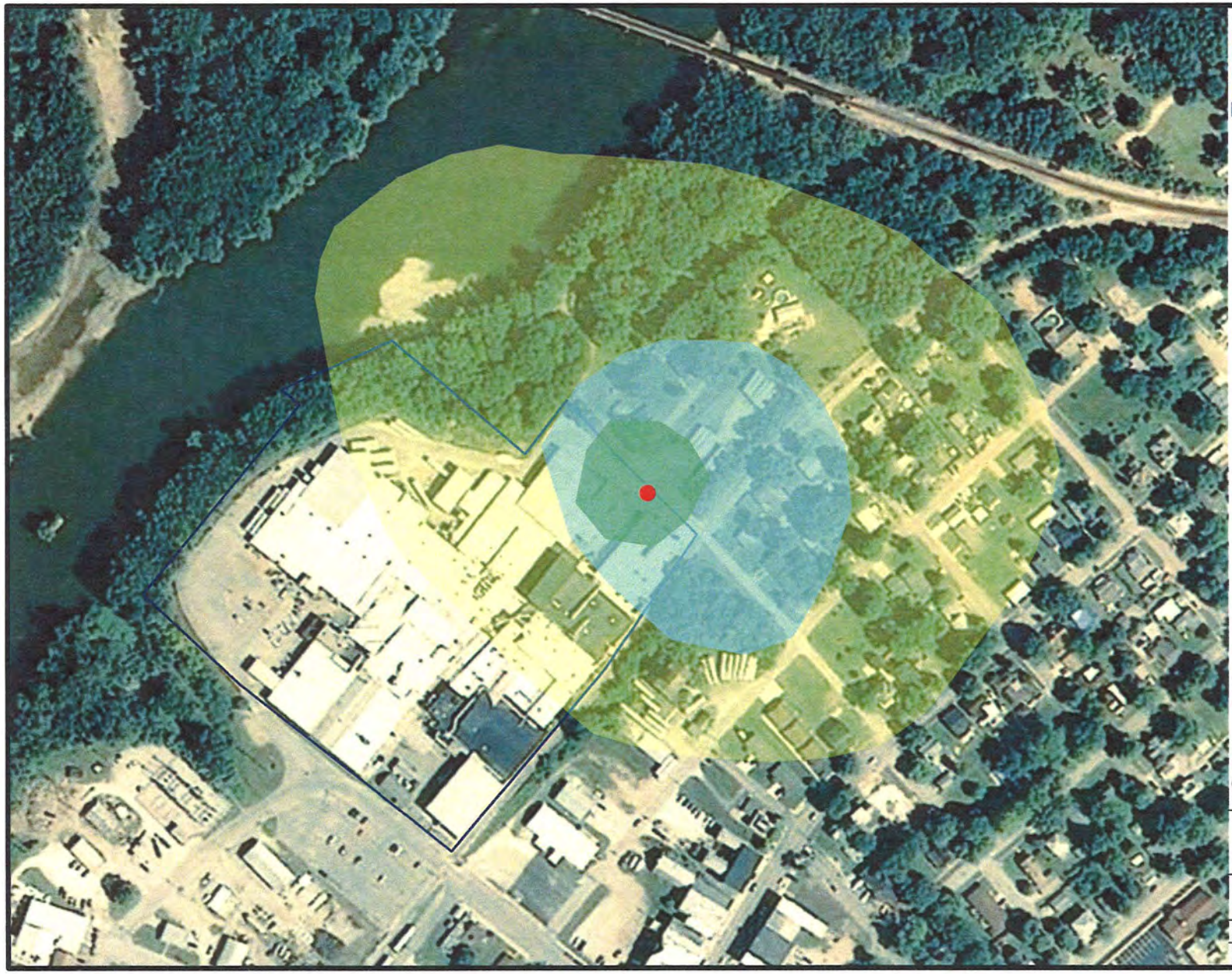
0 12.5 25 50 Meters

URS
Franklin, Tennessee

FIGURE 2-1
STACK LOCATIONS

C & D Technologies, Inc.
200 West Main Street
Attica, Indiana

Drawn By:	Projection:
JB	UTM, Zone 16N, NAD83, Meters
Checked By:	Source(s):
JW	URS Corporation



Legend

- Max. Lead Concentration - 0.08 microgram/m^3
- Level 1 - 0.04 microgram/m^3
- Level 2 - 0.03 microgram/m^3
- Level 3 - 0.02 microgram/m^3
- Property Boundary

N

0 15 30 60 Meters

URS
Franklin, Tennessee

FIGURE 2-2
AIR DISPERSION MODELING
RESULTS

C & D Technologies, Inc.
200 West Main Street
Attica, Indiana

Drawn By: JB	Projection: UTM, Zone 16N, NAD83, Meters
Checked By: JW	Source(s): URS Corporation

APPENDIX B

XRF Sampling Results and Correlation
with Analytical Laboratory Reports

URS

C&D TECHNOLOGIES, ATTICA, IN
XRF Soil Sampling Results
December 19-20, 2011

0-2" Sampling Depth			
Sample ID	Laboratory Lead Levels	XRF Readings	XRF ± Reading
CD:204:NY:NW 0-2	180	162	13
CD:204:NY:W 0-2	220	189	14
CD:204:NY:SE 0-2	130	114	11
CD:304:WY:S: 0-2	400	324	18
CD:304:WY:E: 0-2	280	209	13
CD:304:WY:W: 0-2	320	178	13
CD:304:NW:N: 0-2	320	335	17
CD:304:NW:W: 0-2	200	145	12
CD:304:NW:E: 0-2	370	305	16
CD:307:NU:N: 0-2	410	185	13
CD:307:NU:E: 0-2	120	133	11
CD:307:NU:W: 0-2	160	138	11
CD:304:NT:N: 0-2	220	200	13
CD:304:NT:W: 0-2	180	132	11
CD:304:NT:E: 0-2	25	44	8
CD:204:WC:N: 0-2	330	223	13
CD:204:WC:S: 0-2	350	308	16
CD:204:WC:E: 0-2	170	175	13
CD:105:WC:N: 0-2	160	123	11
CD:105:WC:W: 0-2	150	107	10
CD:300:WC:N: 0-2	71	63	9
CD:300:WC:E: 0-2	162	144	11
CD:300:WC:S: 0-2	110	97	11
CD:106:WC:E: 0-2	68	66	9
CD:106:WC:S: 0-2	340	158	12
CD:403:NT:S: 0-2	350	281	15
CD:404:NT:W: 0-2	160	140	12

C&D TECHNOLOGIES, ATTICA, IN
XRF Soil Sampling Results
December 19-20, 2011

2-6" Sampling Depth			
Sample ID	Laboratory Lead Levels	XRF Readings	XRF ± Reading
CD:204:NY:NW 2-6	310	164	12
CD:204:NY:W 2-6	180	204	14
CD:204:NY:SE 2-6	91	202	11
CD:304:WY:S: 2-6	440	354	19
CD:304:WY:E: 2-6	160	254	15
CD:304:WY:W: 2-6	420	251	15
CD:304:NW:N: 2-6	290	268	16
CD:304:NW:W: 2-6	180	121	11
CD:304:NW:E: 2-6	490	335	17
CD:307:NU:N: 2-6	190	159	12
CD:307:NU:E: 2-6	110	103	10
CD:307:NU:W: 2-6	150	125	11
CD:304:NT:N: 2-6	190	207	14
CD:304:NT:W: 2-6	170	160	12
CD:304:NT:E: 2-6	120	133	11
CD:204:WC:N: 2-6	290	229	15
CD:204:WC:S: 2-6	150	289	16
CD:204:WC:E: 2-6	340	193	14
CD:105:WC:N: 2-6	170	124	11
CD:105:WC:W: 2-6	110	114	12
CD:300:WC:N: 2-6	78	96	11
CD:300:WC:E: 2-6	140	138	11
CD:300:WC:S: 2-6	110	115	12
CD:106:WC:E: 2-6	96	70	9
CD:106:WC:S: 2-6	250	325	18
CD:403:NT:S: 2-6	340	369	18
CD:404:NT:W: 2-6	200	167	13

C&D TECHNOLOGIES, ATTICA, IN
XRF Soil Sampling Results
December 19-20, 2011

6-12" Sampling Depth			
Sample ID	Laboratory Lead Levels	XRF Readings	XRF ± Reading
CD:304:WY:S: 6-12	340	315	17

The correlation coefficient (r) for the entire data set was calculated to be 0.785 which is indicative of a positive linear relationship between the XRF results and the laboratory correlation results.

APPENDIX C

Residential Soil Sampling Sites and
Analytical Laboratory Results

URS

APPENDIX D

Analytical Laboratory Reports

URS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica North Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-7149-1
Client Project/Site: ATTICA C&D

For:
URS Corporation
1000 Corp Centre Drive
One Corp Centre Ste
Franklin, Tennessee 37067

Attn: Mr. Craig Bernhoft

Authorized for release by:
12/30/2011 4:57:30 PM

John McFadden
Project Manager I
john.mcfadden@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

CASE NARRATIVE

Client: URS Corporation

Project: ATTICA C&D

Report Number: 240-7149-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 12/21/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 0.8 and 1.2 C.

TOTAL METALS (ICP)

Samples CD:204:NY:NW 0-2 (240-7149-1), CD:204:NY:W 0-2 (240-7149-2), CD:204:NY:SE 0-2 (240-7149-3), CD:204:NY:NW 2-6 (240-7149-4), CD:204:NY:W 2-6 (240-7149-5), CD:204:NY:SE 2-6 (240-7149-6), CD:304:WY:S 0-2 (240-7149-7), CD:304:WY:E 0-2 (240-7149-8), CD:304:WY:W 0-2 (240-7149-9), CD:304:WY:S 2-6 (240-7149-10), CD:304:WY:E 2-6 (240-7149-11), CD:304:WY:W 2-6 (240-7149-12), CD:304:WY:S 6-12 (240-7149-13), CD:304:NW:N 0-2 (240-7149-14), CD:304:NW:W 0-2 (240-7149-15), CD:304:NW:E 0-2 (240-7149-16), CD:304:NW:N 2-6 (240-7149-17), CD:304:NW:W 2-6 (240-7149-18), CD:304:NW:E 2-6 (240-7149-19), CD:300:WC:N 0-2 (240-7149-20), CD:300:WC:E 0-2 (240-7149-21), CD:300:WC:S 0-2 (240-7149-22), CD:300:WC:E 2-6 (240-7149-23), CD:300:WC:N 2-6 (240-7149-24), CD:300:WC:S 2-6 (240-7149-25), CD:DUP 1 (240-7149-26), CD:DUP 2 (240-7149-27), CD:204:WC:N 0-2 (240-7149-28), CD:204:WC:S 0-2 (240-7149-29), CD:204:WC:E 0-2 (240-7149-30), CD:204:WC:N 2-6 (240-7149-31), CD:204:WC:S 2-6 (240-7149-32), CD:204:WC:E 2-6 (240-7149-33), CD:DUP 3 (240-7149-34), CD:307:NU:N 0-2 (240-7149-35), CD:307:NU:E 0-2 (240-7149-36), CD:307:NU:W 0-2 (240-7149-37), CD:307:NU:N 2-6 (240-7149-38), CD:307:NU:E 2-6 (240-7149-39), CD:307:NU:W 2-6 (240-7149-40) and CD:DUP 4 (240-7149-41) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 12/22/2011, 12/23/2011, 12/27/2011 and 12/28/2011 and analyzed on 12/27/2011, 12/28/2011 and 12/30/2011.

Lead failed the recovery criteria low for the MSD of sample CD:204:WC:N 0-2MSD (240-7149-28) in batch 240-28487.

Job ID: 240-7149-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

No other difficulties were encountered during the metals analyses. All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples CD:204:NY:NW 0-2 (240-7149-1), CD:204:NY:W 0-2 (240-7149-2), CD:204:NY:SE 0-2 (240-7149-3), CD:204:NY:NW 2-6 (240-7149-4), CD:204:NY:W 2-6 (240-7149-5), CD:204:NY:SE 2-6 (240-7149-6), CD:304:WY:S 0-2 (240-7149-7), CD:304:WY:E 0-2 (240-7149-8), CD:304:WY:W 0-2 (240-7149-9), CD:304:WY:S 2-6 (240-7149-10), CD:304:WY:E 2-6 (240-7149-11), CD:304:WY:W 2-6 (240-7149-12), CD:304:WY:S 6-12 (240-7149-13), CD:304:NW:N 0-2 (240-7149-14), CD:304:NW:W 0-2 (240-7149-15), CD:304:NW:E 0-2 (240-7149-16), CD:304:NW:N 2-6 (240-7149-17), CD:304:NW:W 2-6 (240-7149-18), CD:304:NW:E 2-6 (240-7149-19), CD:300:WC:N 0-2 (240-7149-20), CD:300:WC:E 0-2 (240-7149-21), CD:300:WC:S 0-2 (240-7149-22), CD:300:WC:E 2-6 (240-7149-23), CD:300:WC:N 2-6 (240-7149-24), CD:300:WC:S 2-6 (240-7149-25), CD:DUP 1 (240-7149-26), CD:DUP 2 (240-7149-27), CD:204:WC:N 0-2 (240-7149-28), CD:204:WC:S 0-2 (240-7149-29), CD:204:WC:E 0-2 (240-7149-30), CD:204:WC:N 2-6 (240-7149-31), CD:204:WC:S 2-6 (240-7149-32), CD:204:WC:E 2-6 (240-7149-33), CD:DUP 3 (240-7149-34), CD:307:NU:N 0-2 (240-7149-35), CD:307:NU:E 0-2 (240-7149-36), CD:307:NU:W 0-2 (240-7149-37), CD:307:NU:N 2-6 (240-7149-38), CD:307:NU:E 2-6 (240-7149-39), CD:307:NU:W 2-6 (240-7149-40) and CD:DUP 4 (240-7149-41) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 12/23/2011.

No difficulties were encountered during the % solids analyses. All quality control parameters were within the acceptance limits.

Method Summary

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL NC
Moisture	Percent Moisture	EPA	TAL NC

5

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-7149-1	CD:204:NY:NW 0-2	Solid	12/19/11 10:00	12/21/11 11:10
240-7149-2	CD:204:NY:W 0-2	Solid	12/19/11 10:05	12/21/11 11:10
240-7149-3	CD:204:NY:SE 0-2	Solid	12/19/11 10:10	12/21/11 11:10
240-7149-4	CD:204:NY:NW 2-6	Solid	12/19/11 10:05	12/21/11 11:10
240-7149-5	CD:204:NY:W 2-6	Solid	12/19/11 10:10	12/21/11 11:10
240-7149-6	CD:204:NY:SE 2-6	Solid	12/19/11 10:15	12/21/11 11:10
240-7149-7	CD:304:WY:S 0-2	Solid	12/19/11 11:20	12/21/11 11:10
240-7149-8	CD:304:WY:E 0-2	Solid	12/19/11 11:25	12/21/11 11:10
240-7149-9	CD:304:WY:W 0-2	Solid	12/19/11 11:30	12/21/11 11:10
240-7149-10	CD:304:WY:S 2-6	Solid	12/19/11 11:20	12/21/11 11:10
240-7149-11	CD:304:WY:E 2-6	Solid	12/19/11 11:25	12/21/11 11:10
240-7149-12	CD:304:WY:W 2-6	Solid	12/19/11 11:30	12/21/11 11:10
240-7149-13	CD:304:WY:S 6-12	Solid	12/19/11 12:00	12/21/11 11:10
240-7149-14	CD:304:NW:N 0-2	Solid	12/19/11 13:40	12/21/11 11:10
240-7149-15	CD:304:NW:W 0-2	Solid	12/19/11 13:45	12/21/11 11:10
240-7149-16	CD:304:NW:E 0-2	Solid	12/19/11 13:50	12/21/11 11:10
240-7149-17	CD:304:NW:N 2-6	Solid	12/19/11 13:40	12/21/11 11:10
240-7149-18	CD:304:NW:W 2-6	Solid	12/19/11 13:45	12/21/11 11:10
240-7149-19	CD:304:NW:E 2-6	Solid	12/19/11 13:50	12/21/11 11:10
240-7149-20	CD:300:WC:N 0-2	Solid	12/19/11 14:30	12/21/11 11:10
240-7149-21	CD:300:WC:E 0-2	Solid	12/19/11 14:35	12/21/11 11:10
240-7149-22	CD:300:WC:S 0-2	Solid	12/19/11 14:40	12/21/11 11:10
240-7149-23	CD:300:WC:E 2-6	Solid	12/19/11 14:35	12/21/11 11:10
240-7149-24	CD:300:WC:N 2-6	Solid	12/19/11 14:30	12/21/11 11:10
240-7149-25	CD:300:WC:S 2-6	Solid	12/19/11 14:40	12/21/11 11:10
240-7149-26	CD:DUP 1	Solid	12/19/11 00:00	12/21/11 11:10
240-7149-27	CD:DUP 2	Solid	12/19/11 00:00	12/21/11 11:10
240-7149-28	CD:204:WC:N 0-2	Solid	12/19/11 15:35	12/21/11 11:10
240-7149-29	CD:204:WC:S 0-2	Solid	12/19/11 15:40	12/21/11 11:10
240-7149-30	CD:204:WC:E 0-2	Solid	12/19/11 15:45	12/21/11 11:10
240-7149-31	CD:204:WC:N 2-6	Solid	12/19/11 15:35	12/21/11 11:10
240-7149-32	CD:204:WC:S 2-6	Solid	12/19/11 15:40	12/21/11 11:10
240-7149-33	CD:204:WC:E 2-6	Solid	12/19/11 15:45	12/21/11 11:10
240-7149-34	CD:DUP 3	Solid	12/19/11 00:00	12/21/11 11:10
240-7149-35	CD:307:NU:N 0-2	Solid	12/19/11 16:45	12/21/11 11:10
240-7149-36	CD:307:NU:E 0-2	Solid	12/19/11 16:50	12/21/11 11:10
240-7149-37	CD:307:NU:W 0-2	Solid	12/19/11 16:55	12/21/11 11:10
240-7149-38	CD:307:NU:N 2-6	Solid	12/19/11 16:45	12/21/11 11:10
240-7149-39	CD:307:NU:E 2-6	Solid	12/19/11 16:50	12/21/11 11:10
240-7149-40	CD:307:NU:W 2-6	Solid	12/19/11 16:55	12/21/11 11:10
240-7149-41	CD:DUP 4	Solid	12/19/11 00:00	12/21/11 11:10

Detection Summary

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:NY:NW 0-2 — Lab Sample ID: 240-7149-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	180		0.39	0.25	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:204:NY:W 0-2 — Lab Sample ID: 240-7149-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	220		0.35	0.22	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:204:NY:SE 0-2 — Lab Sample ID: 240-7149-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	130		0.33	0.21	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:204:NY:NW 2-6 — Lab Sample ID: 240-7149-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	310		0.36	0.23	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:204:NY:W 2-6 — Lab Sample ID: 240-7149-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	180		0.33	0.21	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:204:NY:SE 2-6 — Lab Sample ID: 240-7149-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	91		0.35	0.22	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:WY:S 0-2 — Lab Sample ID: 240-7149-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	400		0.31	0.19	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:WY:E 0-2 — Lab Sample ID: 240-7149-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	280		0.35	0.22	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:WY:W 0-2 — Lab Sample ID: 240-7149-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	320		0.31	0.19	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:WY:S 2-6 — Lab Sample ID: 240-7149-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	440		0.36	0.23	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:WY:E 2-6 — Lab Sample ID: 240-7149-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	160		0.35	0.22	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:WY:W 2-6 — Lab Sample ID: 240-7149-12

Client Sample ID: CD:304:WY:W 2-6 (Continued) — Lab Sample ID: 240-7149-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	420		0.25	0.16	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:WY:S 6-12 — Lab Sample ID: 240-7149-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	340		0.30	0.19	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:NW:N 0-2 — Lab Sample ID: 240-7149-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	320		0.31	0.20	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:NW:W 0-2 — Lab Sample ID: 240-7149-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	200		0.31	0.20	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:NW:E 0-2 — Lab Sample ID: 240-7149-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	370		0.28	0.18	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:NW:N 2-6 — Lab Sample ID: 240-7149-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	290		0.32	0.20	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:NW:W 2-6 — Lab Sample ID: 240-7149-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	180		0.34	0.21	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:NW:E 2-6 — Lab Sample ID: 240-7149-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	490		0.34	0.22	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:300:WC:N 0-2 — Lab Sample ID: 240-7149-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	71		0.26	0.17	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:300:WC:E 0-2 — Lab Sample ID: 240-7149-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	160		0.36	0.23	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:300:WC:S 0-2 — Lab Sample ID: 240-7149-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	110		0.32	0.20	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:300:WC:E 2-6 — Lab Sample ID: 240-7149-23

Client Sample ID: CD:300:WC:E 2-6 (Continued) — Lab Sample ID: 240-7149-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	140		0.31	0.20	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:300:WC:N 2-6 — Lab Sample ID: 240-7149-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	78		0.34	0.21	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:300:WC:S 2-6 — Lab Sample ID: 240-7149-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	110		0.33	0.21	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:DUP 1 — Lab Sample ID: 240-7149-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	160		0.38	0.24	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:DUP 2 — Lab Sample ID: 240-7149-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	130		0.33	0.21	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:204:WC:N 0-2 — Lab Sample ID: 240-7149-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	330		0.38	0.24	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:204:WC:S 0-2 — Lab Sample ID: 240-7149-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	350		0.32	0.20	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:204:WC:E 0-2 — Lab Sample ID: 240-7149-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	170		0.37	0.23	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:204:WC:N 2-6 — Lab Sample ID: 240-7149-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	290		0.31	0.19	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:204:WC:S 2-6 — Lab Sample ID: 240-7149-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	150		0.28	0.18	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:204:WC:E 2-6 — Lab Sample ID: 240-7149-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	340		0.31	0.20	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:DUP 3 — Lab Sample ID: 240-7149-34

Client Sample ID: CD:DUP 3 (Continued) — Lab Sample ID: 240-7149-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	330		0.33	0.21	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:307:NU:N 0-2 — Lab Sample ID: 240-7149-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	410		0.38	0.24	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:307:NU:E 0-2 — Lab Sample ID: 240-7149-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	120		0.35	0.22	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:307:NU:W 0-2 — Lab Sample ID: 240-7149-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	160		0.36	0.23	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:307:NU:N 2-6 — Lab Sample ID: 240-7149-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	190		0.34	0.21	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:307:NU:E 2-6 — Lab Sample ID: 240-7149-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	110		0.34	0.22	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:307:NU:W 2-6 — Lab Sample ID: 240-7149-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	150		0.31	0.20	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:DUP 4 — Lab Sample ID: 240-7149-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	250		0.38	0.24	mg/Kg	1	☼	6010B	Total/NA

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:NY:NW 0-2
Date Collected: 12/19/11 10:00
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-1
Matrix: Solid
Percent Solids: 72.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180		0.39	0.25	mg/Kg	☼	12/22/11 10:29	12/28/11 15:58	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:NY:W 0-2

Date Collected: 12/19/11 10:05
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-2

Matrix: Solid
Percent Solids: 75.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	220		0.35	0.22	mg/Kg	☼	12/22/11 10:29	12/28/11 16:02	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:NY:SE 0-2

Date Collected: 12/19/11 10:10
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-3

Matrix: Solid
Percent Solids: 75.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	130		0.33	0.21	mg/Kg	☼	12/22/11 10:29	12/28/11 16:14	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:NY:NW 2-6

Date Collected: 12/19/11 10:05
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-4

Matrix: Solid
Percent Solids: 78.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	310		0.36	0.23	mg/Kg	☼	12/22/11 10:29	12/28/11 16:18	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:NY:W 2-6
Date Collected: 12/19/11 10:10
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-5
Matrix: Solid
Percent Solids: 80.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180		0.33	0.21	mg/Kg	☼	12/22/11 10:29	12/28/11 16:22	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:NY:SE 2-6

Date Collected: 12/19/11 10:15
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-6

Matrix: Solid
Percent Solids: 83.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	91		0.35	0.22	mg/Kg	☼	12/22/11 10:29	12/28/11 16:27	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:304:WY:S 0-2

Date Collected: 12/19/11 11:20
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-7

Matrix: Solid
Percent Solids: 77.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	400		0.31	0.19	mg/Kg	☼	12/23/11 09:50	12/27/11 20:51	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:304:WY:E 0-2

Date Collected: 12/19/11 11:25
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-8

Matrix: Solid
Percent Solids: 73.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	280		0.35	0.22	mg/Kg	☼	12/23/11 09:50	12/27/11 20:56	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:304:WY:W 0-2

Date Collected: 12/19/11 11:30
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-9

Matrix: Solid
Percent Solids: 79.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	320		0.31	0.19	mg/Kg	☼	12/23/11 09:50	12/27/11 21:02	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:304:WY:S 2-6
Date Collected: 12/19/11 11:20
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-10
Matrix: Solid
Percent Solids: 78.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	440		0.36	0.23	mg/Kg	☼	12/23/11 09:50	12/27/11 21:08	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:304:WY:E 2-6

Date Collected: 12/19/11 11:25
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-11

Matrix: Solid
Percent Solids: 79.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		0.35	0.22	mg/Kg	☼	12/23/11 09:50	12/27/11 21:13	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:304:WY:W 2-6

Date Collected: 12/19/11 11:30
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-12

Matrix: Solid
Percent Solids: 75.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	420		0.25	0.16	mg/Kg	☼	12/23/11 09:50	12/27/11 21:19	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:304:WY:S 6-12
Date Collected: 12/19/11 12:00
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-13
Matrix: Solid
Percent Solids: 81.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	340		0.30	0.19	mg/Kg	☼	12/23/11 09:50	12/27/11 21:25	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:304:NW:N 0-2
Date Collected: 12/19/11 13:40
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-14
Matrix: Solid
Percent Solids: 76.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	320		0.31	0.20	mg/Kg	☼	12/23/11 09:50	12/27/11 21:42	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:304:NW:W 0-2
Date Collected: 12/19/11 13:45
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-15
Matrix: Solid
Percent Solids: 78.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	200		0.31	0.20	mg/Kg	☼	12/23/11 09:50	12/27/11 21:47	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:304:NW:E 0-2

Date Collected: 12/19/11 13:50
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-16

Matrix: Solid
Percent Solids: 73.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	370		0.28	0.18	mg/Kg	☼	12/23/11 09:50	12/27/11 21:53	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:304:NW:N 2-6
Date Collected: 12/19/11 13:40
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-17
Matrix: Solid
Percent Solids: 77.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	290		0.32	0.20	mg/Kg	☼	12/23/11 09:50	12/27/11 21:59	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:304:NW:W 2-6
Date Collected: 12/19/11 13:45
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-18
Matrix: Solid
Percent Solids: 78.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180		0.34	0.21	mg/Kg	☼	12/23/11 09:50	12/27/11 22:05	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:304:NW:E 2-6

Date Collected: 12/19/11 13:50
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-19

Matrix: Solid
Percent Solids: 75.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	490		0.34	0.22	mg/Kg	☼	12/23/11 09:50	12/27/11 22:10	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:300:WC:N 0-2

Date Collected: 12/19/11 14:30
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-20

Matrix: Solid
Percent Solids: 87.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	71		0.26	0.17	mg/Kg	☼	12/23/11 09:50	12/27/11 22:16	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:300:WC:E 0-2

Date Collected: 12/19/11 14:35
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-21

Matrix: Solid
Percent Solids: 73.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		0.36	0.23	mg/Kg	☼	12/23/11 09:50	12/27/11 22:22	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:300:WC:S 0-2

Date Collected: 12/19/11 14:40
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-22

Matrix: Solid
Percent Solids: 76.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		0.32	0.20	mg/Kg	☼	12/23/11 09:50	12/27/11 22:27	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:300:WC:E 2-6
Date Collected: 12/19/11 14:35
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-23
Matrix: Solid
Percent Solids: 75.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140		0.31	0.20	mg/Kg	☼	12/23/11 09:50	12/27/11 22:33	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:300:WC:N 2-6

Date Collected: 12/19/11 14:30
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-24

Matrix: Solid
Percent Solids: 86.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	78		0.34	0.21	mg/Kg	☼	12/27/11 09:49	12/28/11 22:49	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:300:WC:S 2-6

Date Collected: 12/19/11 14:40
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-25

Matrix: Solid
Percent Solids: 80.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		0.33	0.21	mg/Kg	☼	12/27/11 09:49	12/28/11 22:55	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:DUP 1

Date Collected: 12/19/11 00:00
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-26

Matrix: Solid
Percent Solids: 70.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		0.38	0.24	mg/Kg	☼	12/27/11 09:49	12/28/11 23:00	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:DUP 2

Date Collected: 12/19/11 00:00
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-27

Matrix: Solid
Percent Solids: 76.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	130		0.33	0.21	mg/Kg	☼	12/27/11 09:49	12/28/11 23:06	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:WC:N 0-2
Date Collected: 12/19/11 15:35
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-28
Matrix: Solid
Percent Solids: 73.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	330		0.38	0.24	mg/Kg	☼	12/27/11 09:49	12/28/11 22:15	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:WC:S 0-2
Date Collected: 12/19/11 15:40
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-29
Matrix: Solid
Percent Solids: 78.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	350		0.32	0.20	mg/Kg	☼	12/27/11 09:49	12/28/11 23:12	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:WC:E 0-2

Date Collected: 12/19/11 15:45
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-30

Matrix: Solid
Percent Solids: 74.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	170		0.37	0.23	mg/Kg	☼	12/27/11 09:49	12/28/11 23:17	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:WC:N 2-6

Date Collected: 12/19/11 15:35
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-31

Matrix: Solid
Percent Solids: 82.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	290		0.31	0.19	mg/Kg	☼	12/27/11 09:49	12/28/11 23:23	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:WC:S 2-6

Date Collected: 12/19/11 15:40
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-32

Matrix: Solid
Percent Solids: 89.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	150		0.28	0.18	mg/Kg	☼	12/27/11 09:49	12/28/11 23:29	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:WC:E 2-6
Date Collected: 12/19/11 15:45
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-33
Matrix: Solid
Percent Solids: 85.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	340		0.31	0.20	mg/Kg	☼	12/27/11 09:49	12/28/11 23:46	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:DUP 3

Date Collected: 12/19/11 00:00
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-34

Matrix: Solid
Percent Solids: 77.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	330		0.33	0.21	mg/Kg	☼	12/27/11 09:49	12/28/11 23:52	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:307:NU:N 0-2
Date Collected: 12/19/11 16:45
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-35
Matrix: Solid
Percent Solids: 74.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	410		0.38	0.24	mg/Kg	☼	12/27/11 09:49	12/28/11 23:57	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:307:NU:E 0-2

Date Collected: 12/19/11 16:50
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-36

Matrix: Solid
Percent Solids: 76.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	120		0.35	0.22	mg/Kg	☼	12/28/11 11:36	12/30/11 02:03	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:307:NU:W 0-2
Date Collected: 12/19/11 16:55
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-37
Matrix: Solid
Percent Solids: 76.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		0.36	0.23	mg/Kg	☼	12/28/11 11:36	12/30/11 02:09	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:307:NU:N 2-6

Date Collected: 12/19/11 16:45
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-38

Matrix: Solid
Percent Solids: 79.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	190		0.34	0.21	mg/Kg	☼	12/28/11 11:36	12/30/11 02:15	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:307:NU:E 2-6

Date Collected: 12/19/11 16:50
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-39

Matrix: Solid
Percent Solids: 81.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		0.34	0.22	mg/Kg	☼	12/28/11 11:36	12/30/11 00:55	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:307:NU:W 2-6
Date Collected: 12/19/11 16:55
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-40
Matrix: Solid
Percent Solids: 77.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	150		0.31	0.20	mg/Kg	☼	12/28/11 11:36	12/30/11 02:21	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:DUP 4

Date Collected: 12/19/11 00:00
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-41

Matrix: Solid
Percent Solids: 75.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	250		0.38	0.24	mg/Kg	☼	12/28/11 11:36	12/30/11 02:26	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-27888/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28464 — **Prep Batch: 27888**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.19	U	0.30	0.19	mg/Kg		12/22/11 10:29	12/28/11 14:24	1

Lab Sample ID: LCS 240-27888/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28464 — **Prep Batch: 27888**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	46.3		mg/Kg		93	80 - 120

Lab Sample ID: MB 240-28037/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28312 — **Prep Batch: 28037**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.19	U	0.30	0.19	mg/Kg		12/23/11 09:50	12/27/11 19:54	1

Lab Sample ID: LCS 240-28037/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28312 — **Prep Batch: 28037**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	50.8		mg/Kg		102	80 - 120

Lab Sample ID: MB 240-28198/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28487 — **Prep Batch: 28198**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.19	U	0.30	0.19	mg/Kg		12/27/11 09:49	12/28/11 22:03	1

Lab Sample ID: LCS 240-28198/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28487 — **Prep Batch: 28198**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	49.3		mg/Kg		99	80 - 120

Lab Sample ID: 240-7149-28 MS — **Client Sample ID: CD:204:WC:N 0-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28487 — **Prep Batch: 28198**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	330		67.0	386	4	mg/Kg	☼	89	75 - 125

Lab Sample ID: 240-7149-28 MSD — **Client Sample ID: CD:204:WC:N 0-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28487 — **Prep Batch: 28198**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	330		67.0	364	4	mg/Kg	☼	55	75 - 125	6	20

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

Lab Sample ID: MB 240-28395/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28639 — **Prep Batch: 28395**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.19	U	0.30	0.19	mg/Kg		12/28/11 11:36	12/30/11 00:44	1

Lab Sample ID: LCS 240-28395/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28639 — **Prep Batch: 28395**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	46.2		mg/Kg		92	80 - 120

Lab Sample ID: 240-7149-39 MS — **Client Sample ID: CD:307:NU:E 2-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28639 — **Prep Batch: 28395**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	110		56.6	150		mg/Kg	☼	78	75 - 125

Lab Sample ID: 240-7149-39 MSD — **Client Sample ID: CD:307:NU:E 2-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28639 — **Prep Batch: 28395**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	110		56.6	153		mg/Kg	☼	82	75 - 125	2	20

QC Association Summary

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Metals

Prep Batch: 27888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7149-1	CD:204:NY:NW 0-2	Total/NA	Solid	3050B	
240-7149-2	CD:204:NY:W 0-2	Total/NA	Solid	3050B	
240-7149-3	CD:204:NY:SE 0-2	Total/NA	Solid	3050B	
240-7149-4	CD:204:NY:NW 2-6	Total/NA	Solid	3050B	
240-7149-5	CD:204:NY:W 2-6	Total/NA	Solid	3050B	
240-7149-6	CD:204:NY:SE 2-6	Total/NA	Solid	3050B	
LCS 240-27888/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-27888/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 28037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7149-7	CD:304:WY:S 0-2	Total/NA	Solid	3050B	
240-7149-8	CD:304:WY:E 0-2	Total/NA	Solid	3050B	
240-7149-9	CD:304:WY:W 0-2	Total/NA	Solid	3050B	
240-7149-10	CD:304:WY:S 2-6	Total/NA	Solid	3050B	
240-7149-11	CD:304:WY:E 2-6	Total/NA	Solid	3050B	
240-7149-12	CD:304:WY:W 2-6	Total/NA	Solid	3050B	
240-7149-13	CD:304:WY:S 6-12	Total/NA	Solid	3050B	
240-7149-14	CD:304:NW:N 0-2	Total/NA	Solid	3050B	
240-7149-15	CD:304:NW:W 0-2	Total/NA	Solid	3050B	
240-7149-16	CD:304:NW:E 0-2	Total/NA	Solid	3050B	
240-7149-17	CD:304:NW:N 2-6	Total/NA	Solid	3050B	
240-7149-18	CD:304:NW:W 2-6	Total/NA	Solid	3050B	
240-7149-19	CD:304:NW:E 2-6	Total/NA	Solid	3050B	
240-7149-20	CD:300:WC:N 0-2	Total/NA	Solid	3050B	
240-7149-21	CD:300:WC:E 0-2	Total/NA	Solid	3050B	
240-7149-22	CD:300:WC:S 0-2	Total/NA	Solid	3050B	
240-7149-23	CD:300:WC:E 2-6	Total/NA	Solid	3050B	
LCS 240-28037/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-28037/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 28198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7149-24	CD:300:WC:N 2-6	Total/NA	Solid	3050B	
240-7149-25	CD:300:WC:S 2-6	Total/NA	Solid	3050B	
240-7149-26	CD:DUP 1	Total/NA	Solid	3050B	
240-7149-27	CD:DUP 2	Total/NA	Solid	3050B	
240-7149-28	CD:204:WC:N 0-2	Total/NA	Solid	3050B	
240-7149-28 MS	CD:204:WC:N 0-2	Total/NA	Solid	3050B	
240-7149-28 MSD	CD:204:WC:N 0-2	Total/NA	Solid	3050B	
240-7149-29	CD:204:WC:S 0-2	Total/NA	Solid	3050B	
240-7149-30	CD:204:WC:E 0-2	Total/NA	Solid	3050B	
240-7149-31	CD:204:WC:N 2-6	Total/NA	Solid	3050B	
240-7149-32	CD:204:WC:S 2-6	Total/NA	Solid	3050B	
240-7149-33	CD:204:WC:E 2-6	Total/NA	Solid	3050B	
240-7149-34	CD:DUP 3	Total/NA	Solid	3050B	
240-7149-35	CD:307:NU:N 0-2	Total/NA	Solid	3050B	
LCS 240-28198/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-28198/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Analysis Batch: 28312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7149-7	CD:304:WY:S 0-2	Total/NA	Solid	6010B	28037
240-7149-8	CD:304:WY:E 0-2	Total/NA	Solid	6010B	28037
240-7149-9	CD:304:WY:W 0-2	Total/NA	Solid	6010B	28037
240-7149-10	CD:304:WY:S 2-6	Total/NA	Solid	6010B	28037
240-7149-11	CD:304:WY:E 2-6	Total/NA	Solid	6010B	28037
240-7149-12	CD:304:WY:W 2-6	Total/NA	Solid	6010B	28037
240-7149-13	CD:304:WY:S 6-12	Total/NA	Solid	6010B	28037
240-7149-14	CD:304:NW:N 0-2	Total/NA	Solid	6010B	28037
240-7149-15	CD:304:NW:W 0-2	Total/NA	Solid	6010B	28037
240-7149-16	CD:304:NW:E 0-2	Total/NA	Solid	6010B	28037
240-7149-17	CD:304:NW:N 2-6	Total/NA	Solid	6010B	28037
240-7149-18	CD:304:NW:W 2-6	Total/NA	Solid	6010B	28037
240-7149-19	CD:304:NW:E 2-6	Total/NA	Solid	6010B	28037
240-7149-20	CD:300:WC:N 0-2	Total/NA	Solid	6010B	28037
240-7149-21	CD:300:WC:E 0-2	Total/NA	Solid	6010B	28037
240-7149-22	CD:300:WC:S 0-2	Total/NA	Solid	6010B	28037
240-7149-23	CD:300:WC:E 2-6	Total/NA	Solid	6010B	28037
LCS 240-28037/2-A	Lab Control Sample	Total/NA	Solid	6010B	28037
MB 240-28037/1-A	Method Blank	Total/NA	Solid	6010B	28037

Prep Batch: 28395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7149-36	CD:307:NU:E 0-2	Total/NA	Solid	3050B	
240-7149-37	CD:307:NU:W 0-2	Total/NA	Solid	3050B	
240-7149-38	CD:307:NU:N 2-6	Total/NA	Solid	3050B	
240-7149-39	CD:307:NU:E 2-6	Total/NA	Solid	3050B	
240-7149-39 MS	CD:307:NU:E 2-6	Total/NA	Solid	3050B	
240-7149-39 MSD	CD:307:NU:E 2-6	Total/NA	Solid	3050B	
240-7149-40	CD:307:NU:W 2-6	Total/NA	Solid	3050B	
240-7149-41	CD:DUP 4	Total/NA	Solid	3050B	
LCS 240-28395/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-28395/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 28464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7149-1	CD:204:NY:NW 0-2	Total/NA	Solid	6010B	27888
240-7149-2	CD:204:NY:W 0-2	Total/NA	Solid	6010B	27888
240-7149-3	CD:204:NY:SE 0-2	Total/NA	Solid	6010B	27888
240-7149-4	CD:204:NY:NW 2-6	Total/NA	Solid	6010B	27888
240-7149-5	CD:204:NY:W 2-6	Total/NA	Solid	6010B	27888
240-7149-6	CD:204:NY:SE 2-6	Total/NA	Solid	6010B	27888
LCS 240-27888/2-A	Lab Control Sample	Total/NA	Solid	6010B	27888
MB 240-27888/1-A	Method Blank	Total/NA	Solid	6010B	27888

Analysis Batch: 28487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7149-24	CD:300:WC:N 2-6	Total/NA	Solid	6010B	28198
240-7149-25	CD:300:WC:S 2-6	Total/NA	Solid	6010B	28198
240-7149-26	CD:DUP 1	Total/NA	Solid	6010B	28198
240-7149-27	CD:DUP 2	Total/NA	Solid	6010B	28198
240-7149-28	CD:204:WC:N 0-2	Total/NA	Solid	6010B	28198
240-7149-28 MS	CD:204:WC:N 0-2	Total/NA	Solid	6010B	28198

Metals (Continued)

Analysis Batch: 28487 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7149-28 MSD	CD:204:WC:N 0-2	Total/NA	Solid	6010B	28198
240-7149-29	CD:204:WC:S 0-2	Total/NA	Solid	6010B	28198
240-7149-30	CD:204:WC:E 0-2	Total/NA	Solid	6010B	28198
240-7149-31	CD:204:WC:N 2-6	Total/NA	Solid	6010B	28198
240-7149-32	CD:204:WC:S 2-6	Total/NA	Solid	6010B	28198
240-7149-33	CD:204:WC:E 2-6	Total/NA	Solid	6010B	28198
240-7149-34	CD:DUP 3	Total/NA	Solid	6010B	28198
240-7149-35	CD:307:NU:N 0-2	Total/NA	Solid	6010B	28198
LCS 240-28198/2-A	Lab Control Sample	Total/NA	Solid	6010B	28198
MB 240-28198/1-A	Method Blank	Total/NA	Solid	6010B	28198

Analysis Batch: 28639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7149-36	CD:307:NU:E 0-2	Total/NA	Solid	6010B	28395
240-7149-37	CD:307:NU:W 0-2	Total/NA	Solid	6010B	28395
240-7149-38	CD:307:NU:N 2-6	Total/NA	Solid	6010B	28395
240-7149-39	CD:307:NU:E 2-6	Total/NA	Solid	6010B	28395
240-7149-39 MS	CD:307:NU:E 2-6	Total/NA	Solid	6010B	28395
240-7149-39 MSD	CD:307:NU:E 2-6	Total/NA	Solid	6010B	28395
240-7149-40	CD:307:NU:W 2-6	Total/NA	Solid	6010B	28395
240-7149-41	CD:DUP 4	Total/NA	Solid	6010B	28395
LCS 240-28395/2-A	Lab Control Sample	Total/NA	Solid	6010B	28395
MB 240-28395/1-A	Method Blank	Total/NA	Solid	6010B	28395

General Chemistry

Analysis Batch: 28028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7149-1	CD:204:NY:NW 0-2	Total/NA	Solid	Moisture	
240-7149-2	CD:204:NY:W 0-2	Total/NA	Solid	Moisture	
240-7149-3	CD:204:NY:SE 0-2	Total/NA	Solid	Moisture	
240-7149-4	CD:204:NY:NW 2-6	Total/NA	Solid	Moisture	
240-7149-5	CD:204:NY:W 2-6	Total/NA	Solid	Moisture	
240-7149-6	CD:204:NY:SE 2-6	Total/NA	Solid	Moisture	
240-7149-7	CD:304:WY:S 0-2	Total/NA	Solid	Moisture	
240-7149-8	CD:304:WY:E 0-2	Total/NA	Solid	Moisture	
240-7149-9	CD:304:WY:W 0-2	Total/NA	Solid	Moisture	
240-7149-10	CD:304:WY:S 2-6	Total/NA	Solid	Moisture	
240-7149-11	CD:304:WY:E 2-6	Total/NA	Solid	Moisture	
240-7149-12	CD:304:WY:W 2-6	Total/NA	Solid	Moisture	
240-7149-13	CD:304:WY:S 6-12	Total/NA	Solid	Moisture	
240-7149-14	CD:304:NW:N 0-2	Total/NA	Solid	Moisture	
240-7149-15	CD:304:NW:W 0-2	Total/NA	Solid	Moisture	
240-7149-16	CD:304:NW:E 0-2	Total/NA	Solid	Moisture	
240-7149-17	CD:304:NW:N 2-6	Total/NA	Solid	Moisture	
240-7149-17 DU	CD:304:NW:N 2-6	Total/NA	Solid	Moisture	
240-7149-18	CD:304:NW:W 2-6	Total/NA	Solid	Moisture	
240-7149-19	CD:304:NW:E 2-6	Total/NA	Solid	Moisture	
240-7149-20	CD:300:WC:N 0-2	Total/NA	Solid	Moisture	
240-7149-21	CD:300:WC:E 0-2	Total/NA	Solid	Moisture	
240-7149-22	CD:300:WC:S 0-2	Total/NA	Solid	Moisture	
240-7149-23	CD:300:WC:E 2-6	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 28028 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7149-24	CD:300:WC:N 2-6	Total/NA	Solid	Moisture	
240-7149-25	CD:300:WC:S 2-6	Total/NA	Solid	Moisture	
240-7149-26	CD:DUP 1	Total/NA	Solid	Moisture	
240-7149-26 DU	CD:DUP 1	Total/NA	Solid	Moisture	
240-7149-27	CD:DUP 2	Total/NA	Solid	Moisture	
240-7149-28	CD:204:WC:N 0-2	Total/NA	Solid	Moisture	
240-7149-28 DU	CD:204:WC:N 0-2	Total/NA	Solid	Moisture	
240-7149-29	CD:204:WC:S 0-2	Total/NA	Solid	Moisture	
240-7149-30	CD:204:WC:E 0-2	Total/NA	Solid	Moisture	
240-7149-31	CD:204:WC:N 2-6	Total/NA	Solid	Moisture	
240-7149-32	CD:204:WC:S 2-6	Total/NA	Solid	Moisture	
240-7149-33	CD:204:WC:E 2-6	Total/NA	Solid	Moisture	
240-7149-34	CD:DUP 3	Total/NA	Solid	Moisture	
240-7149-35	CD:307:NU:N 0-2	Total/NA	Solid	Moisture	
240-7149-36	CD:307:NU:E 0-2	Total/NA	Solid	Moisture	
240-7149-36 DU	CD:307:NU:E 0-2	Total/NA	Solid	Moisture	
240-7149-37	CD:307:NU:W 0-2	Total/NA	Solid	Moisture	
240-7149-38	CD:307:NU:N 2-6	Total/NA	Solid	Moisture	
240-7149-39	CD:307:NU:E 2-6	Total/NA	Solid	Moisture	
240-7149-39 DU	CD:307:NU:E 2-6	Total/NA	Solid	Moisture	
240-7149-40	CD:307:NU:W 2-6	Total/NA	Solid	Moisture	
240-7149-41	CD:DUP 4	Total/NA	Solid	Moisture	

Lab Chronicle

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:NY:NW 0-2

Lab Sample ID: 240-7149-1
Date Collected: 12/19/11 10:00
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 15:58	KC	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:204:NY:W 0-2

Lab Sample ID: 240-7149-2
Date Collected: 12/19/11 10:05
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 75.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 16:02	KC	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:204:NY:SE 0-2

Lab Sample ID: 240-7149-3
Date Collected: 12/19/11 10:10
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 75.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 16:14	KC	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:204:NY:NW 2-6

Lab Sample ID: 240-7149-4
Date Collected: 12/19/11 10:05
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 16:18	KC	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:204:NY:W 2-6

Lab Sample ID: 240-7149-5
Date Collected: 12/19/11 10:10
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 16:22	KC	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Lab Chronicle

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:204:NY:SE 2-6

Lab Sample ID: 240-7149-6
Date Collected: 12/19/11 10:15
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 16:27	KC	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:304:WY:S 0-2

Lab Sample ID: 240-7149-7
Date Collected: 12/19/11 11:20
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 77.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 20:51	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:304:WY:E 0-2

Lab Sample ID: 240-7149-8
Date Collected: 12/19/11 11:25
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 73.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 20:56	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:304:WY:W 0-2

Lab Sample ID: 240-7149-9
Date Collected: 12/19/11 11:30
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 21:02	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:304:WY:S 2-6

Lab Sample ID: 240-7149-10
Date Collected: 12/19/11 11:20
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 21:08	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:304:WY:E 2-6

Lab Sample ID: 240-7149-11
Date Collected: 12/19/11 11:25
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 21:13	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:304:WY:W 2-6

Lab Sample ID: 240-7149-12
Date Collected: 12/19/11 11:30
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 75.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 21:19	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:304:WY:S 6-12

Lab Sample ID: 240-7149-13
Date Collected: 12/19/11 12:00
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 21:25	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:304:NW:N 0-2

Lab Sample ID: 240-7149-14
Date Collected: 12/19/11 13:40
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 76.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 21:42	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:304:NW:W 0-2

Lab Sample ID: 240-7149-15
Date Collected: 12/19/11 13:45
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 21:47	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:304:NW:E 0-2

Lab Sample ID: 240-7149-16
Date Collected: 12/19/11 13:50
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 73.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 21:53	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:304:NW:N 2-6

Lab Sample ID: 240-7149-17
Date Collected: 12/19/11 13:40
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 21:59	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:304:NW:W 2-6

Lab Sample ID: 240-7149-18
Date Collected: 12/19/11 13:45
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 22:05	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:304:NW:E 2-6

Lab Sample ID: 240-7149-19
Date Collected: 12/19/11 13:50
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 22:10	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:300:WC:N 0-2

Lab Sample ID: 240-7149-20
Date Collected: 12/19/11 14:30
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 22:16	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:300:WC:E 0-2

Lab Sample ID: 240-7149-21
Date Collected: 12/19/11 14:35
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 73.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 22:22	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:300:WC:S 0-2

Lab Sample ID: 240-7149-22
Date Collected: 12/19/11 14:40
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 76.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 22:27	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:300:WC:E 2-6

Lab Sample ID: 240-7149-23
Date Collected: 12/19/11 14:35
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 75.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28037	12/23/11 09:50	AS	TAL NC
Total/NA	Analysis	6010B		1	28312	12/27/11 22:33	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:300:WC:N 2-6

Lab Sample ID: 240-7149-24
Date Collected: 12/19/11 14:30
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28198	12/27/11 09:49	DE	TAL NC
Total/NA	Analysis	6010B		1	28487	12/28/11 22:49	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:300:WC:S 2-6

Lab Sample ID: 240-7149-25
Date Collected: 12/19/11 14:40
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28198	12/27/11 09:49	DE	TAL NC
Total/NA	Analysis	6010B		1	28487	12/28/11 22:55	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:DUP 1

Lab Sample ID: 240-7149-26
Date Collected: 12/19/11 00:00
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 70.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28198	12/27/11 09:49	DE	TAL NC
Total/NA	Analysis	6010B		1	28487	12/28/11 23:00	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:DUP 2

Lab Sample ID: 240-7149-27
Date Collected: 12/19/11 00:00
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 76.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28198	12/27/11 09:49	DE	TAL NC
Total/NA	Analysis	6010B		1	28487	12/28/11 23:06	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:204:WC:N 0-2

Lab Sample ID: 240-7149-28
Date Collected: 12/19/11 15:35
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 73.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28198	12/27/11 09:49	DE	TAL NC
Total/NA	Analysis	6010B		1	28487	12/28/11 22:15	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:204:WC:S 0-2

Lab Sample ID: 240-7149-29
Date Collected: 12/19/11 15:40
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28198	12/27/11 09:49	DE	TAL NC
Total/NA	Analysis	6010B		1	28487	12/28/11 23:12	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:204:WC:E 0-2

Lab Sample ID: 240-7149-30
Date Collected: 12/19/11 15:45
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 74.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28198	12/27/11 09:49	DE	TAL NC
Total/NA	Analysis	6010B		1	28487	12/28/11 23:17	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:204:WC:N 2-6

Lab Sample ID: 240-7149-31
Date Collected: 12/19/11 15:35
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28198	12/27/11 09:49	DE	TAL NC
Total/NA	Analysis	6010B		1	28487	12/28/11 23:23	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:204:WC:S 2-6

Lab Sample ID: 240-7149-32
Date Collected: 12/19/11 15:40
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28198	12/27/11 09:49	DE	TAL NC
Total/NA	Analysis	6010B		1	28487	12/28/11 23:29	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:204:WC:E 2-6

Lab Sample ID: 240-7149-33
Date Collected: 12/19/11 15:45
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28198	12/27/11 09:49	DE	TAL NC
Total/NA	Analysis	6010B		1	28487	12/28/11 23:46	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:DUP 3

Lab Sample ID: 240-7149-34
Date Collected: 12/19/11 00:00
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 77.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28198	12/27/11 09:49	DE	TAL NC
Total/NA	Analysis	6010B		1	28487	12/28/11 23:52	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:307:NU:N 0-2

Lab Sample ID: 240-7149-35
Date Collected: 12/19/11 16:45
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 74.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28198	12/27/11 09:49	DE	TAL NC
Total/NA	Analysis	6010B		1	28487	12/28/11 23:57	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Lab Chronicle

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:307:NU:E 0-2

Lab Sample ID: 240-7149-36
Date Collected: 12/19/11 16:50
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 76.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28395	12/28/11 11:36	DE	TAL NC
Total/NA	Analysis	6010B		1	28639	12/30/11 02:03	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:307:NU:W 0-2

Lab Sample ID: 240-7149-37
Date Collected: 12/19/11 16:55
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 76.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28395	12/28/11 11:36	DE	TAL NC
Total/NA	Analysis	6010B		1	28639	12/30/11 02:09	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:307:NU:N 2-6

Lab Sample ID: 240-7149-38
Date Collected: 12/19/11 16:45
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28395	12/28/11 11:36	DE	TAL NC
Total/NA	Analysis	6010B		1	28639	12/30/11 02:15	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:307:NU:E 2-6

Lab Sample ID: 240-7149-39
Date Collected: 12/19/11 16:50
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28395	12/28/11 11:36	DE	TAL NC
Total/NA	Analysis	6010B		1	28639	12/30/11 00:55	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Client Sample ID: CD:307:NU:W 2-6

Lab Sample ID: 240-7149-40
Date Collected: 12/19/11 16:55
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28395	12/28/11 11:36	DE	TAL NC
Total/NA	Analysis	6010B		1	28639	12/30/11 02:21	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Lab Chronicle

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Client Sample ID: CD:DUP 4

Date Collected: 12/19/11 00:00
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7149-41

Matrix: Solid
Percent Solids: 75.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			28395	12/28/11 11:36	DE	TAL NC
Total/NA	Analysis	6010B		1	28639	12/30/11 02:26	BD	TAL NC
Total/NA	Analysis	Moisture		1	28028	12/23/11 09:27	CN	TAL NC

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7149-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica North Canton	ACLASS	DoD ELAP		ADE-1437
TestAmerica North Canton	California	NELAC	9	01144CA
TestAmerica North Canton	Connecticut	State Program	1	PH-0590
TestAmerica North Canton	Florida	NELAC	4	E87225
TestAmerica North Canton	Georgia	Georgia EPD	4	N/A
TestAmerica North Canton	Illinois	NELAC	5	200004
TestAmerica North Canton	Kansas	NELAC	7	E-10336
TestAmerica North Canton	Kentucky	State Program	4	58
TestAmerica North Canton	Minnesota	NELAC	5	039-999-348
TestAmerica North Canton	Nevada	State Program	9	OH-000482008A
TestAmerica North Canton	New Jersey	NELAC	2	OH001
TestAmerica North Canton	New York	NELAC	2	10975
TestAmerica North Canton	Ohio	OVAP	5	CL0024
TestAmerica North Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica North Canton	USDA	USDA		P330-11-00328
TestAmerica North Canton	Virginia	NELAC Secondary AB	3	460175
TestAmerica North Canton	West Virginia	West Virginia DEP	3	210
TestAmerica North Canton	Wisconsin	State Program	5	999518190

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: North Canton, OH
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: URS Corporation	Client Project Manager: Craig Bernhoft	Site Contact:	Lab Contact:	COC No: 026257
Address: 1000 Corporate Center Dr	Telephone: 615-771-2480	Telephone:	Telephone:	1 of 5 COCs
City/State/Zip: Franklin TN 37067	Email: CraigBernhoft@URS.com	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone: 615-771-2480		TAT if different from below ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name: Allison - C+D	Method of Shipment/Carrier: Fed EX			Job/SDG No:
Project Number:	Shipping/Tracking No: 8754 2216 4710			

PO#	Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C/ Grab=G	6010B - Lead only	Percent Moisture	Sample Specific Notes / Special Instructions:
	CD:204:NY:NW 0-2	12/19	1000				X										C	X	X	
	CD:204:NY:W 0-2		1005				X										C	X		
	CD:204:NY:SE 0-2		1010				X										C	X		
	CD:204:NY:NW 2-6		1005				X										C	X		
	CD:204:NY:W 2-6		1010				X										C	X		
	CD:204:NY:SE 2-6		1015				X										C	X		
	CD:304:WY:S 0-2		1120				X										C	X		
	CD:304:WY:E 0-2		1125				X										C	X		
	CD:304:WY:W 0-2		1130				X										C	X		
	CD:304:WY:S 2-6		1120				X										C	X		

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	URS Corp	12/20/2011 1700			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 12/21/11 - 11:10

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TAL 0018- 1 (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: URS	Client Project Manager:	Site Contact:	Lab Contact:
Address:	Telephone:	Telephone:	Telephone:
City/State/Zip:	Email:		
Phone:			
Project Name: Attica C&D	Method of Shipment/Carrier:		
Project Number:	Shipping/Tracking No:		
PO #			

COC No: 026258
2 of 5 COCs

Analysis Turnaround Time (In BUS days)
TAT if different from below _____
☐ 3 weeks
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

For lab use only
Walk-in client: ☐
Lab pickup: ☐
Lab sampling: ☐
Job/SDG No:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C/ Grab=G	Analyses: 6010B - Lead only	Percent Moisture	Sample Specific Notes / Special Instructions:
CD! 304! WY! E 2-6	12/19	1125			X											C	X	+	
CD! 304! WY! W 2-6		1130																	
CD! 304! WY! S 6-12		1200																	
CD! 304! NW! N 0-2		1340																	
CD! 304! NW! W 0-2		1345																	
CD! 304! NW! E 0-2		1350																	
CD! 304! NW! N 2-6		1340																	
CD! 304! NW! W 2-6		1345																	
CD! 304! NW! E 2-6		1350																	
CD! 300! WC! N 0-2		1430																	

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	12/20/2011 1700	URS Corp			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TAL	Date/Time: 12/21/11 - 11:10

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TAL 0018- 1 (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: UES	Client Project Manager:	Site Contact:	Lab Contact:
Address:	Telephone:	Telephone:	Telephone:
City/State/Zip:	Email:	Analysis Turnaround Time (in BUS days)	
Phone:		TAT if different from below ____ ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	
Project Name: Attica C+D	Method of Shipment/Carrier:		
Project Number:	Shipping/Tracking No:		
PO#			

COC No: 026259
3 of 5 COCs

For lab use only: Walk-in client ☐ Lab pickup ☐ Lab sampling ☐ Job/SDG No:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C/Grab=G	Analyses: GOLDB Lead only	Percent Moisture	Sample Specific Notes / Special Instructions:
CD!300!WC! F 0-2	12/19	1435			✓											C	✓	✓	
CD!300!WC! S 0-2	↓	1440			↓											↓	↓	↓	
CD!300!WC! E 2-6	↓	1435			↓											↓	↓	↓	
CD!300!WC! N 2-6	↓	1430			↓											↓	↓	↓	
CD!300!WC! S 2-6	↓	1440			↓											↓	↓	↓	
CD! Dup 1	↓	↓			↓											↓	↓	↓	
CD! Dup 2	↓	↓			↓											↓	↓	↓	
CD! 204!WC! N 0-2	↓	1535			↓											↓	↓	↓	MS/MSD
CD! 204!WC! S 0-2	↓	1540			↓											↓	↓	↓	
CD! 204!WC! E 0-2	↓	1545			↓											↓	↓	↓	

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	UES Corp	12/20/2011 1700			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 12/21/11 - 1110

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TAL 0018- 1 (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: URS	Client Project Manager:	Site Contact:	Lab Contact:
Address:	Telephone:	Telephone:	Telephone:
City/State/Zip:	Email:		
Phone:			
Project Name: Altice C&D	Method of Shipment/Carrier:		
Project Number:	Shipping/Tracking No:		
PO#			

COC No: 026260
4 of 5 COCs

Analysis Turnaround Time (in BUS days)
TAT if different from below _____
☐ 3 weeks
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

For lab use only
Walk-in client ☐
Lab pickup ☐
Lab sampling ☐
Job/SDG No.

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C/ Grab=G	6010B Lead only	Percent Moisture	Sample Specific Notes / Special Instructions:
CD! 204! WC! N 2-6	12/19	1535														C			
CD! 204! WC! S 2-6		1540																	
CD! 204! WC! E 2-6		1545																	
CD! Dup 3																			
CD! 307! NU! N 0-2		1645																	
CD! 307! NU! E 0-2		1650																	
CD! 307! NU! W 0-2		1655																	
CD! 307! NU! N 2-6		1645																	
CD! 307! NU! E 2-6		1650																	MS/MSD
CD! 307! NU! W 2-6		1655																	

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	URS Corp	12/20/2011 1700			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 12/21/11 - 11:16

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TAL 0018- 1 (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: URS	Client Project Manager:	Site Contact:	Lab Contact:
Address:	Telephone:	Telephone:	Telephone:
City/State/Zip:	Email:		
Phone:			
Project Name: Attica C+D	Method of Shipment/Carrier:		
Project Number:	Shipping/Tracking No:		
PO #			

COC No: 026261

5 of 5 COCs

Analysis Turnaround Time (in BUS days)

TAT if different from below _____

☐ 3 weeks
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

For lab use only

Walk-in client ☐
Lab pickup ☐
Lab sampling ☐

Job/SDG No:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C/Grab=G	Analyses: 6010B Lead only	Percent Moisture								Sample Specific Notes / Special Instructions:
CD1 Dup 4	12/19				Y											C	X	X								

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	URS Corp	12/20/2011 1700			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 12/21/11 - 11:10

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TAL 0018- 1 (04/10)

TestAmerica Cooler Receipt Form/Narrative **Lot Number:** #7149
North Canton Facility

Client UPS Corporation Project _____ By: [signature]
Cooler Received on 12/21/11 Opened on 12/21/11 (Signature)
FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other _____
TestAmerica Cooler # _____ Multiple Coolers Foam Box Client Cooler Other _____

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA
   If YES, Quantity 2 Quantity Unsalvageable _____
   Were custody seals on the outside of cooler(s) signed and dated? Yes No NA
   Were custody seals on the bottle(s)? Yes No
   If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes No
3. Did custody papers accompany the sample(s)? Yes No Relinquished by client? Yes No
4. Were the custody papers signed in the appropriate place? Yes No
5. Packing material used: Bubble Wrap Foam None Other _____
6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps
   METHOD: IR Other _____
   COOLANT: Wet Ice Blue Ice Dry Ice Water None
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were sample(s) at the correct pH upon receipt? Yes No NA
10. Were correct bottle(s) used for the test(s) indicated? Yes No
11. Were air bubbles >6 mm in any VOA vials? Yes No NA
12. Sufficient quantity received to perform indicated analyses? Yes No
13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
Concerning

14. CHAIN OF CUSTODY

The following discrepancies occurred:

_____

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). *Nitric Acid Lot# 110410-HNO_3; Sulfuric Acid Lot# 041911-H_2SO_4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot#* 100108-*$(CH_3COO)_2ZN/NaOH$.* What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

13

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler #	Temp. °C	Method	Coolant
client not	0.8	IR	wet ice
client	1.2	↓	↓

Discrepancies Cont'd:

13

Login Sample Receipt Checklist

Client: URS Corporation

Job Number: 240-7149-1

Login Number: 7149
List Number: 1
Creator: Gambone, Mike

List Source: TestAmerica North Canton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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	0.8, 1.2
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica North Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-7148-1
Client Project/Site: ATTICA C&D

For:
URS Corporation
1000 Corp Centre Drive
One Corp Centre Ste
Franklin, Tennessee 37067

Attn: Mr. Craig Bernhoft

Authorized for release by:
1/5/2012 2:36:26 PM

John McFadden
Project Manager I
john.mcfadden@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

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Definitions/Glossary

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-7148-1

Laboratory: TestAmerica North Canton

Narrative

CASE NARRATIVE

Client: URS Corporation

Project: ATTICA C&D

Report Number: 240-7148-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 12/21/2011; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 0.8 and 1.2 C.

TOTAL METALS (ICP)

Samples CD:304:NT:N 0-2 (240-7148-2), CD:304:NT:W 0-2 (240-7148-3), CD:304:NT:E 0-2 (240-7148-4), CD:304:NT:N 2-6 (240-7148-5), CD:304:NT:W 2-6 (240-7148-6), CD:304:NT:E 2-6 (240-7148-7), CD:DUP 5 (240-7148-8), CD:105:WC:N 0-2 (240-7148-9), CD:105:WC:W 0-2 (240-7148-10), CD:105:WC:N 2-6 (240-7148-11), CD:105:WC:W 2-6 (240-7148-12), CD:106:WC:E 0-2 (240-7148-13), CD:106:WC:S 0-2 (240-7148-14), CD:106:WC:E 2-6 (240-7148-15), CD:106:WC:S 2-6 (240-7148-16), CD:DUP 6 (240-7148-17), CD:403:NT:S 0-2 (240-7148-18), CD:403:NT:S 2-6 (240-7148-19), CD:404:NT:W 0-2 (240-7148-20) and CD:404:NT:W 2-6 (240-7148-21) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 12/22/2011 and analyzed on 12/23/2011, 12/28/2011, 12/29/2011 and 12/30/2011.

No difficulties were encountered during the metals analyses. All quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS (ICPMS)

Sample CD:EQUIPMENT BLANK (240-7148-1) was analyzed for total recoverable metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 12/28/2011 and analyzed on 12/30/2011.

Job ID: 240-7148-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

No difficulties were encountered during the metals analysis. All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples CD:304:NT:N 0-2 (240-7148-2), CD:304:NT:W 0-2 (240-7148-3), CD:304:NT:E 0-2 (240-7148-4), CD:304:NT:N 2-6 (240-7148-5), CD:304:NT:W 2-6 (240-7148-6), CD:304:NT:E 2-6 (240-7148-7), CD:DUP 5 (240-7148-8), CD:105:WC:N 0-2 (240-7148-9), CD:105:WC:W 0-2 (240-7148-10), CD:105:WC:N 2-6 (240-7148-11), CD:105:WC:W 2-6 (240-7148-12), CD:106:WC:E 0-2 (240-7148-13), CD:106:WC:S 0-2 (240-7148-14), CD:106:WC:E 2-6 (240-7148-15), CD:106:WC:S 2-6 (240-7148-16), CD:DUP 6 (240-7148-17), CD:403:NT:S 0-2 (240-7148-18), CD:403:NT:S 2-6 (240-7148-19), CD:404:NT:W 0-2 (240-7148-20) and CD:404:NT:W 2-6 (240-7148-21) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 12/22/2011.

No difficulties were encountered during the % solids analyses. All quality control parameters were within the acceptance limits.

Method Summary

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL NC
6020	Metals (ICP/MS)	SW846	TAL NC
Moisture	Percent Moisture	EPA	TAL NC

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Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-7148-1	CD:EQUIPMENT BLANK	Water	12/20/11 08:40	12/21/11 11:10
240-7148-2	CD:304:NT:N 0-2	Solid	12/20/11 09:30	12/21/11 11:10
240-7148-3	CD:304:NT:W 0-2	Solid	12/20/11 09:25	12/21/11 11:10
240-7148-4	CD:304:NT:E 0-2	Solid	12/20/11 09:20	12/21/11 11:10
240-7148-5	CD:304:NT:N 2-6	Solid	12/20/11 09:30	12/21/11 11:10
240-7148-6	CD:304:NT:W 2-6	Solid	12/20/11 09:25	12/21/11 11:10
240-7148-7	CD:304:NT:E 2-6	Solid	12/20/11 09:20	12/21/11 11:10
240-7148-8	CD:DUP 5	Solid	12/20/11 00:00	12/21/11 11:10
240-7148-9	CD:105:WC:N 0-2	Solid	12/20/11 10:30	12/21/11 11:10
240-7148-10	CD:105:WC:W 0-2	Solid	12/20/11 10:25	12/21/11 11:10
240-7148-11	CD:105:WC:N 2-6	Solid	12/20/11 10:30	12/21/11 11:10
240-7148-12	CD:105:WC:W 2-6	Solid	12/20/11 10:25	12/21/11 11:10
240-7148-13	CD:106:WC:E 0-2	Solid	12/20/11 11:05	12/21/11 11:10
240-7148-14	CD:106:WC:S 0-2	Solid	12/20/11 11:10	12/21/11 11:10
240-7148-15	CD:106:WC:E 2-6	Solid	12/20/11 11:05	12/21/11 11:10
240-7148-16	CD:106:WC:S 2-6	Solid	12/20/11 11:10	12/21/11 11:10
240-7148-17	CD:DUP 6	Solid	12/20/11 00:00	12/21/11 11:10
240-7148-18	CD:403:NT:S 0-2	Solid	12/20/11 13:05	12/21/11 11:10
240-7148-19	CD:403:NT:S 2-6	Solid	12/20/11 13:05	12/21/11 11:10
240-7148-20	CD:404:NT:W 0-2	Solid	12/20/11 13:40	12/21/11 11:10
240-7148-21	CD:404:NT:W 2-6	Solid	12/20/11 13:40	12/21/11 11:10

Detection Summary

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:EQUIPMENT BLANK — Lab Sample ID: 240-7148-1

No Detections

Client Sample ID: CD:304:NT:N 0-2 — Lab Sample ID: 240-7148-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	220		0.40	0.25	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:NT:W 0-2 — Lab Sample ID: 240-7148-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	180		0.35	0.22	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:NT:E 0-2 — Lab Sample ID: 240-7148-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	25		0.29	0.18	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:NT:N 2-6 — Lab Sample ID: 240-7148-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	190		0.36	0.23	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:NT:W 2-6 — Lab Sample ID: 240-7148-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	170		0.31	0.19	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:304:NT:E 2-6 — Lab Sample ID: 240-7148-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	120		0.30	0.19	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:DUP 5 — Lab Sample ID: 240-7148-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	210		0.37	0.23	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:105:WC:N 0-2 — Lab Sample ID: 240-7148-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	160		0.38	0.24	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:105:WC:W 0-2 — Lab Sample ID: 240-7148-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	150		0.37	0.23	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:105:WC:N 2-6 — Lab Sample ID: 240-7148-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	170		0.36	0.22	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:105:WC:W 2-6 — Lab Sample ID: 240-7148-12

Client Sample ID: CD:105:WC:W 2-6 (Continued) — Lab Sample ID: 240-7148-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	110		0.34	0.21	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:106:WC:E 0-2 — Lab Sample ID: 240-7148-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	68		0.35	0.22	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:106:WC:S 0-2 — Lab Sample ID: 240-7148-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	340		0.32	0.20	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:106:WC:E 2-6 — Lab Sample ID: 240-7148-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	96		0.32	0.20	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:106:WC:S 2-6 — Lab Sample ID: 240-7148-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	250		0.33	0.21	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:DUP 6 — Lab Sample ID: 240-7148-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	250		0.32	0.20	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:403:NT:S 0-2 — Lab Sample ID: 240-7148-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	350		0.39	0.25	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:403:NT:S 2-6 — Lab Sample ID: 240-7148-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	340		0.37	0.24	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:404:NT:W 0-2 — Lab Sample ID: 240-7148-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	160		0.35	0.22	mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: CD:404:NT:W 2-6 — Lab Sample ID: 240-7148-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	200		0.35	0.22	mg/Kg	1	☼	6010B	Total/NA

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:EQUIPMENT BLANK
Date Collected: 12/20/11 08:40
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-1
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.18	U	1.0	0.18	ug/L		12/28/11 09:55	12/30/11 16:26	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:304:NT:N 0-2
Date Collected: 12/20/11 09:30
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-2
Matrix: Solid
Percent Solids: 73.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	220		0.40	0.25	mg/Kg	☼	12/22/11 09:26	12/23/11 11:37	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:304:NT:W 0-2
Date Collected: 12/20/11 09:25
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-3
Matrix: Solid
Percent Solids: 71.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180		0.35	0.22	mg/Kg	☼	12/22/11 09:26	12/23/11 11:41	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:304:NT:E 0-2

Date Collected: 12/20/11 09:20
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-4

Matrix: Solid
Percent Solids: 79.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	25		0.29	0.18	mg/Kg	☼	12/22/11 09:26	12/23/11 11:45	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:304:NT:N 2-6

Date Collected: 12/20/11 09:30
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-5

Matrix: Solid
Percent Solids: 77.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	190		0.36	0.23	mg/Kg	☼	12/22/11 09:26	12/23/11 11:57	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:304:NT:W 2-6
Date Collected: 12/20/11 09:25
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-6
Matrix: Solid
Percent Solids: 74.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	170		0.31	0.19	mg/Kg	☼	12/22/11 09:26	12/23/11 12:01	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:304:NT:E 2-6
Date Collected: 12/20/11 09:20
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-7
Matrix: Solid
Percent Solids: 82.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	120		0.30	0.19	mg/Kg	☼	12/22/11 09:26	12/23/11 12:05	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:DUP 5
Date Collected: 12/20/11 00:00
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-8
Matrix: Solid
Percent Solids: 77.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	210		0.37	0.23	mg/Kg	☼	12/22/11 10:29	12/28/11 14:56	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:105:WC:N 0-2
Date Collected: 12/20/11 10:30
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-9
Matrix: Solid
Percent Solids: 68.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		0.38	0.24	mg/Kg	☼	12/22/11 10:29	12/28/11 15:00	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:105:WC:W 0-2
Date Collected: 12/20/11 10:25
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-10
Matrix: Solid
Percent Solids: 72.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	150		0.37	0.23	mg/Kg	☼	12/22/11 10:29	12/28/11 15:04	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:105:WC:N 2-6
Date Collected: 12/20/11 10:30
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-11
Matrix: Solid
Percent Solids: 76.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	170		0.36	0.22	mg/Kg	☼	12/22/11 10:29	12/29/11 23:53	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:105:WC:W 2-6
Date Collected: 12/20/11 10:25
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-12
Matrix: Solid
Percent Solids: 76.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		0.34	0.21	mg/Kg	☼	12/22/11 10:29	12/28/11 15:08	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:106:WC:E 0-2
Date Collected: 12/20/11 11:05
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-13
Matrix: Solid
Percent Solids: 75.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	68		0.35	0.22	mg/Kg	☼	12/22/11 10:29	12/28/11 15:13	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:106:WC:S 0-2

Date Collected: 12/20/11 11:10
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-14

Matrix: Solid
Percent Solids: 74.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	340		0.32	0.20	mg/Kg	☼	12/22/11 10:29	12/28/11 15:25	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:106:WC:E 2-6
Date Collected: 12/20/11 11:05
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-15
Matrix: Solid
Percent Solids: 76.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	96		0.32	0.20	mg/Kg	☼	12/22/11 10:29	12/28/11 15:29	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:106:WC:S 2-6

Date Collected: 12/20/11 11:10
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-16

Matrix: Solid
Percent Solids: 77.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	250		0.33	0.21	mg/Kg	☼	12/22/11 10:29	12/30/11 00:27	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:DUP 6

Date Collected: 12/20/11 00:00
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-17

Matrix: Solid
Percent Solids: 81.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	250		0.32	0.20	mg/Kg	☼	12/22/11 10:29	12/30/11 00:32	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:403:NT:S 0-2
Date Collected: 12/20/11 13:05
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-18
Matrix: Solid
Percent Solids: 71.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	350		0.39	0.25	mg/Kg	☼	12/22/11 10:29	12/30/11 00:38	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:403:NT:S 2-6

Date Collected: 12/20/11 13:05
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-19

Matrix: Solid
Percent Solids: 76.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	340		0.37	0.24	mg/Kg	☼	12/22/11 10:29	12/28/11 15:45	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:404:NT:W 0-2
Date Collected: 12/20/11 13:40
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-20
Matrix: Solid
Percent Solids: 72.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		0.35	0.22	mg/Kg	☼	12/22/11 10:29	12/28/11 15:49	1

Client Sample Results

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:404:NT:W 2-6
Date Collected: 12/20/11 13:40
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-21
Matrix: Solid
Percent Solids: 77.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	200		0.35	0.22	mg/Kg	☼	12/22/11 10:29	12/28/11 15:53	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-27866/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28137 — **Prep Batch: 27866**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.19	U	0.30	0.19	mg/Kg		12/22/11 09:26	12/23/11 10:21	1

Lab Sample ID: LCS 240-27866/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28137 — **Prep Batch: 27866**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	47.2		mg/Kg		94	80 - 120

Lab Sample ID: MB 240-27888/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28464 — **Prep Batch: 27888**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.19	U	0.30	0.19	mg/Kg		12/22/11 10:29	12/28/11 14:24	1

Lab Sample ID: LCS 240-27888/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28464 — **Prep Batch: 27888**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	46.3		mg/Kg		93	80 - 120

Lab Sample ID: 240-7148-11 MS — **Client Sample ID: CD:105:WC:N 2-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28639 — **Prep Batch: 27888**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	170		62.6	227		mg/Kg	¤	87	75 - 125

Lab Sample ID: 240-7148-11 MSD — **Client Sample ID: CD:105:WC:N 2-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 28639 — **Prep Batch: 27888**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	170		62.6	232		mg/Kg	¤	96	75 - 125	2	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 240-28370/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 28947 — **Prep Batch: 28370**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.18	U	1.0	0.18	ug/L		12/28/11 09:55	01/03/12 11:01	1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 240-28370/2-A
Matrix: Water
Analysis Batch: 28947

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 28370

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1000	1080		ug/L		108	80 - 120

QC Association Summary

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Metals

Prep Batch: 27866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7148-2	CD:304:NT:N 0-2	Total/NA	Solid	3050B	
240-7148-3	CD:304:NT:W 0-2	Total/NA	Solid	3050B	
240-7148-4	CD:304:NT:E 0-2	Total/NA	Solid	3050B	
240-7148-5	CD:304:NT:N 2-6	Total/NA	Solid	3050B	
240-7148-6	CD:304:NT:W 2-6	Total/NA	Solid	3050B	
240-7148-7	CD:304:NT:E 2-6	Total/NA	Solid	3050B	
LCS 240-27866/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-27866/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 27888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7148-8	CD:DUP 5	Total/NA	Solid	3050B	
240-7148-9	CD:105:WC:N 0-2	Total/NA	Solid	3050B	
240-7148-10	CD:105:WC:W 0-2	Total/NA	Solid	3050B	
240-7148-11	CD:105:WC:N 2-6	Total/NA	Solid	3050B	
240-7148-11 MS	CD:105:WC:N 2-6	Total/NA	Solid	3050B	
240-7148-11 MSD	CD:105:WC:N 2-6	Total/NA	Solid	3050B	
240-7148-12	CD:105:WC:W 2-6	Total/NA	Solid	3050B	
240-7148-13	CD:106:WC:E 0-2	Total/NA	Solid	3050B	
240-7148-14	CD:106:WC:S 0-2	Total/NA	Solid	3050B	
240-7148-15	CD:106:WC:E 2-6	Total/NA	Solid	3050B	
240-7148-16	CD:106:WC:S 2-6	Total/NA	Solid	3050B	
240-7148-17	CD:DUP 6	Total/NA	Solid	3050B	
240-7148-18	CD:403:NT:S 0-2	Total/NA	Solid	3050B	
240-7148-19	CD:403:NT:S 2-6	Total/NA	Solid	3050B	
240-7148-20	CD:404:NT:W 0-2	Total/NA	Solid	3050B	
240-7148-21	CD:404:NT:W 2-6	Total/NA	Solid	3050B	
LCS 240-27888/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-27888/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 28137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7148-2	CD:304:NT:N 0-2	Total/NA	Solid	6010B	27866
240-7148-3	CD:304:NT:W 0-2	Total/NA	Solid	6010B	27866
240-7148-4	CD:304:NT:E 0-2	Total/NA	Solid	6010B	27866
240-7148-5	CD:304:NT:N 2-6	Total/NA	Solid	6010B	27866
240-7148-6	CD:304:NT:W 2-6	Total/NA	Solid	6010B	27866
240-7148-7	CD:304:NT:E 2-6	Total/NA	Solid	6010B	27866
LCS 240-27866/2-A	Lab Control Sample	Total/NA	Solid	6010B	27866
MB 240-27866/1-A	Method Blank	Total/NA	Solid	6010B	27866

Prep Batch: 28370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7148-1	CD:EQUIPMENT BLANK	Total Recoverable	Water	3005A	
LCS 240-28370/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 240-28370/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 28464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7148-8	CD:DUP 5	Total/NA	Solid	6010B	27888
240-7148-9	CD:105:WC:N 0-2	Total/NA	Solid	6010B	27888
240-7148-10	CD:105:WC:W 0-2	Total/NA	Solid	6010B	27888

Metals (Continued)

Analysis Batch: 28464 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7148-12	CD:105:WC:W 2-6	Total/NA	Solid	6010B	27888
240-7148-13	CD:106:WC:E 0-2	Total/NA	Solid	6010B	27888
240-7148-14	CD:106:WC:S 0-2	Total/NA	Solid	6010B	27888
240-7148-15	CD:106:WC:E 2-6	Total/NA	Solid	6010B	27888
240-7148-19	CD:403:NT:S 2-6	Total/NA	Solid	6010B	27888
240-7148-20	CD:404:NT:W 0-2	Total/NA	Solid	6010B	27888
240-7148-21	CD:404:NT:W 2-6	Total/NA	Solid	6010B	27888
LCS 240-27888/2-A	Lab Control Sample	Total/NA	Solid	6010B	27888
MB 240-27888/1-A	Method Blank	Total/NA	Solid	6010B	27888

Analysis Batch: 28639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7148-11	CD:105:WC:N 2-6	Total/NA	Solid	6010B	27888
240-7148-11 MS	CD:105:WC:N 2-6	Total/NA	Solid	6010B	27888
240-7148-11 MSD	CD:105:WC:N 2-6	Total/NA	Solid	6010B	27888
240-7148-16	CD:106:WC:S 2-6	Total/NA	Solid	6010B	27888
240-7148-17	CD:DUP 6	Total/NA	Solid	6010B	27888
240-7148-18	CD:403:NT:S 0-2	Total/NA	Solid	6010B	27888

Analysis Batch: 28840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7148-1	CD:EQUIPMENT BLANK	Total Recoverable	Water	6020	28370

Analysis Batch: 28947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-28370/2-A	Lab Control Sample	Total Recoverable	Water	6020	28370
MB 240-28370/1-A	Method Blank	Total Recoverable	Water	6020	28370

General Chemistry

Analysis Batch: 27885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7148-2	CD:304:NT:N 0-2	Total/NA	Solid	Moisture	
240-7148-3	CD:304:NT:W 0-2	Total/NA	Solid	Moisture	
240-7148-4	CD:304:NT:E 0-2	Total/NA	Solid	Moisture	
240-7148-5	CD:304:NT:N 2-6	Total/NA	Solid	Moisture	
240-7148-6	CD:304:NT:W 2-6	Total/NA	Solid	Moisture	
240-7148-7	CD:304:NT:E 2-6	Total/NA	Solid	Moisture	
240-7148-8	CD:DUP 5	Total/NA	Solid	Moisture	
240-7148-9	CD:105:WC:N 0-2	Total/NA	Solid	Moisture	
240-7148-10	CD:105:WC:W 0-2	Total/NA	Solid	Moisture	
240-7148-11	CD:105:WC:N 2-6	Total/NA	Solid	Moisture	
240-7148-11 DU	CD:105:WC:N 2-6	Total/NA	Solid	Moisture	
240-7148-12	CD:105:WC:W 2-6	Total/NA	Solid	Moisture	
240-7148-13	CD:106:WC:E 0-2	Total/NA	Solid	Moisture	
240-7148-13 DU	CD:106:WC:E 0-2	Total/NA	Solid	Moisture	
240-7148-14	CD:106:WC:S 0-2	Total/NA	Solid	Moisture	
240-7148-15	CD:106:WC:E 2-6	Total/NA	Solid	Moisture	
240-7148-16	CD:106:WC:S 2-6	Total/NA	Solid	Moisture	
240-7148-17	CD:DUP 6	Total/NA	Solid	Moisture	
240-7148-18	CD:403:NT:S 0-2	Total/NA	Solid	Moisture	
240-7148-19	CD:403:NT:S 2-6	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 27885 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7148-20	CD:404:NT:W 0-2	Total/NA	Solid	Moisture	
240-7148-21	CD:404:NT:W 2-6	Total/NA	Solid	Moisture	

Lab Chronicle

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:EQUIPMENT BLANK — Lab Sample ID: 240-7148-1

Date Collected: 12/20/11 08:40 — **Matrix: Water**
Date Received: 12/21/11 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			28370	12/28/11 09:55	LM	TAL NC
Total Recoverable	Analysis	6020		1	28840	12/30/11 16:26	NJM	TAL NC

Client Sample ID: CD:304:NT:N 0-2 — Lab Sample ID: 240-7148-2

Date Collected: 12/20/11 09:30 — **Matrix: Solid**
Date Received: 12/21/11 11:10 — **Percent Solids: 73.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27866	12/22/11 09:26	DE	TAL NC
Total/NA	Analysis	6010B		1	28137	12/23/11 11:37	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:304:NT:W 0-2 — Lab Sample ID: 240-7148-3

Date Collected: 12/20/11 09:25 — **Matrix: Solid**
Date Received: 12/21/11 11:10 — **Percent Solids: 71.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27866	12/22/11 09:26	DE	TAL NC
Total/NA	Analysis	6010B		1	28137	12/23/11 11:41	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:304:NT:E 0-2 — Lab Sample ID: 240-7148-4

Date Collected: 12/20/11 09:20 — **Matrix: Solid**
Date Received: 12/21/11 11:10 — **Percent Solids: 79.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27866	12/22/11 09:26	DE	TAL NC
Total/NA	Analysis	6010B		1	28137	12/23/11 11:45	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:304:NT:N 2-6 — Lab Sample ID: 240-7148-5

Date Collected: 12/20/11 09:30 — **Matrix: Solid**
Date Received: 12/21/11 11:10 — **Percent Solids: 77.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27866	12/22/11 09:26	DE	TAL NC
Total/NA	Analysis	6010B		1	28137	12/23/11 11:57	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:304:NT:W 2-6

Lab Sample ID: 240-7148-6
Date Collected: 12/20/11 09:25
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 74.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27866	12/22/11 09:26	DE	TAL NC
Total/NA	Analysis	6010B		1	28137	12/23/11 12:01	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:304:NT:E 2-6

Lab Sample ID: 240-7148-7
Date Collected: 12/20/11 09:20
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27866	12/22/11 09:26	DE	TAL NC
Total/NA	Analysis	6010B		1	28137	12/23/11 12:05	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:DUP 5

Lab Sample ID: 240-7148-8
Date Collected: 12/20/11 00:00
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 77.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 14:56	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:105:WC:N 0-2

Lab Sample ID: 240-7148-9
Date Collected: 12/20/11 10:30
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 68.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 15:00	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:105:WC:W 0-2

Lab Sample ID: 240-7148-10
Date Collected: 12/20/11 10:25
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 72.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 15:04	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:105:WC:N 2-6

Lab Sample ID: 240-7148-11
Date Collected: 12/20/11 10:30
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 76.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28639	12/29/11 23:53	BD	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:105:WC:W 2-6

Lab Sample ID: 240-7148-12
Date Collected: 12/20/11 10:25
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 76.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 15:08	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:106:WC:E 0-2

Lab Sample ID: 240-7148-13
Date Collected: 12/20/11 11:05
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 75.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 15:13	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:106:WC:S 0-2

Lab Sample ID: 240-7148-14
Date Collected: 12/20/11 11:10
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 74.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 15:25	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:106:WC:E 2-6

Lab Sample ID: 240-7148-15
Date Collected: 12/20/11 11:05
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 76.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 15:29	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:106:WC:S 2-6

Lab Sample ID: 240-7148-16
Date Collected: 12/20/11 11:10
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28639	12/30/11 00:27	BD	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:DUP 6

Lab Sample ID: 240-7148-17
Date Collected: 12/20/11 00:00
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28639	12/30/11 00:32	BD	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:403:NT:S 0-2

Lab Sample ID: 240-7148-18
Date Collected: 12/20/11 13:05
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 71.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28639	12/30/11 00:38	BD	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:403:NT:S 2-6

Lab Sample ID: 240-7148-19
Date Collected: 12/20/11 13:05
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 15:45	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Client Sample ID: CD:404:NT:W 0-2

Lab Sample ID: 240-7148-20
Date Collected: 12/20/11 13:40
Matrix: Solid
Date Received: 12/21/11 11:10
Percent Solids: 72.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 15:49	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Lab Chronicle

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Client Sample ID: CD:404:NT:W 2-6
Date Collected: 12/20/11 13:40
Date Received: 12/21/11 11:10

Lab Sample ID: 240-7148-21
Matrix: Solid
Percent Solids: 77.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			27888	12/22/11 10:29	DE	TAL NC
Total/NA	Analysis	6010B		1	28464	12/28/11 15:53	KC	TAL NC
Total/NA	Analysis	Moisture		1	27885	12/22/11 10:10	CN	TAL NC

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: URS Corporation
Project/Site: ATTICA C&D

TestAmerica Job ID: 240-7148-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica North Canton	ACLASS	DoD ELAP		ADE-1437
TestAmerica North Canton	California	NELAC	9	01144CA
TestAmerica North Canton	Connecticut	State Program	1	PH-0590
TestAmerica North Canton	Florida	NELAC	4	E87225
TestAmerica North Canton	Georgia	Georgia EPD	4	N/A
TestAmerica North Canton	Illinois	NELAC	5	200004
TestAmerica North Canton	Kansas	NELAC	7	E-10336
TestAmerica North Canton	Kentucky	State Program	4	58
TestAmerica North Canton	Minnesota	NELAC	5	039-999-348
TestAmerica North Canton	Nevada	State Program	9	OH-000482008A
TestAmerica North Canton	New Jersey	NELAC	2	OH001
TestAmerica North Canton	New York	NELAC	2	10975
TestAmerica North Canton	Ohio	OVAP	5	CL0024
TestAmerica North Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica North Canton	USDA	USDA		P330-11-00328
TestAmerica North Canton	Virginia	NELAC Secondary AB	3	460175
TestAmerica North Canton	West Virginia	West Virginia DEP	3	210
TestAmerica North Canton	Wisconsin	State Program	5	999518190

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: North Canton, OH
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: URS Corporation	Client Project Manager: Craig Bernhoff	Site Contact:	Lab Contact:	COC No: 026262
Address: 1000 Corporate Center Dr	Telephone: 615-771-2480	Telephone:	Telephone:	1 of 3 COCs
City/State/Zip: Franklin TN 37067	Email: craig_bernhoff@URS.com	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone: 615-771-2480		TAT if different from below ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name: Attica C&D	Method of Shipment/Carrier: Fex Ex			
Project Number:	Shipping/Tracking No: 8794 2216 4731			Job/SDG No.
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C / Grab=G	6010B Lead only	Percent Moisture	Sample Specific Notes / Special Instructions:
CD! Equipment Blank	12/20	0840		X												C			
CD! 304! NT! N 0-2		0930																	
CD! 304! NT! W 0-2		0925																	
CD! 304! NT! E 0-2		0920																	
CD! 304! NT! N 2-6		0930																	
CD! 304! NT! W 2-6		0925																	
CD! 304! NT! E 2-6		0920																	
CD! Dup 5																			
CD! 105! WC! N 0-2		1030																	
CD! 105! WC! W 0-2		1025																	

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	URS Corp	12/20/2011 1700			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 12/21/11 1110

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TAL 0018- 1 (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: URS Corp	Client Project Manager:	Site Contact:	Lab Contact:
Address:	Telephone:	Telephone:	Telephone:
City/State/Zip:	Email:	Analysis Turnaround Time (in BUS days)	
Phone:		TAT if different from below _____ ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	
Project Name: Attica C+D	Method of Shipment/Carrier:		
Project Number:	Shipping/Tracking No:		

COC No: 026263
2 of 3 COCs

For lab use only
Walk-in client ☐
Lab pickup ☐
Lab sampling ☐
Job/SDG No:

P O #			Matrix					Containers & Preservatives									Analyses									
Sample Identification	Sample Date	Sample Time	Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite-C/ Grab-G	6010B Lead only	Percent Moisture								Sample Specific Notes / Special Instructions:
CD! 105! WC! N 2-6	12/20	1030			✓											C	✓	✓								MS/MSD
CD! 105! WC! W 2-6	↓	1025			↓											↓	↓	↓								
CD! 106! WC! E 0-2		1105																								
CD! 106! WC! S 0-2		1110																								
CD! 106! WC! E 2-6		1105																								
CD! 106! WC! S 2-6		1110																								
CD! Dup 6																										
CD! 403! NT! S 0-2		1305																								
CD! 403! NT! S 2-6		1305																								
CD! 404! NT! W 0-2	↓	1340			↓											↓	↓	↓								

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	URS Corp	12/20/2011 1400			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 12/21/11 - 11:10

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TAL 0018- 1 (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: URS	Client Project Manager:	Site Contact:	Lab Contact:	COC No: 026264
Address:	Telephone:	Telephone:	Telephone:	3 of 3 COCs
City/State/Zip:	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below _____ ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name: Attica CoD	Method of Shipment/Carrier:			
Project Number:	Shipping/Tracking No:			Job/SDG No:
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C/Grab=G	COD 13 Landfill	Percent Moisture								Sample Specific Notes / Special Instructions:
CD: 404: NT: W 2-6	12/20	1340			X											C	X	X								

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	URS Corp	12/20/2011 1700			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 12/21/11 - 11:10

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TAL 0018-1 (04/10)

TestAmerica Cooler Receipt Form/Narrative **Lot Number:** #7148
North Canton Facility

Client ILKS Corporation Project _____ By: [illegible] (Signature)
Cooler Received on 12/21/11 Opened on 12/21/11
FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other _____
TestAmerica Cooler # _____ Multiple Coolers Foam Box Client Cooler Other _____

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA
   If YES, Quantity 2 Quantity Unsalvageable _____
   Were custody seals on the outside of cooler(s) signed and dated? Yes No NA
   Were custody seals on the bottle(s)? Yes No
   If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes No
3. Did custody papers accompany the sample(s)? Yes No Relinquished by client? Yes No
4. Were the custody papers signed in the appropriate place? Yes No
5. Packing material used: Bubble Wrap Foam None Other _____
6. Cooler temperature upon receipt _____ °C See back of form for multiple coolers/temps
   METHOD: IR Other _____
   COOLANT: Wet Ice Blue Ice Dry Ice Water None
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were sample(s) at the correct pH upon receipt? Yes No NA
10. Were correct bottle(s) used for the test(s) indicated? Yes No
11. Were air bubbles >6 mm in any VOA vials? Yes No NA
12. Sufficient quantity received to perform indicated analyses? Yes No
13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
Concerning

14. CHAIN OF CUSTODY

The following discrepancies occurred:

_____

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). *Nitric Acid Lot# 110410-HNO_3; Sulfuric Acid Lot# 041911-H_2SO_4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot#* 100108-*$(CH_3COO)_2ZN$/NaOH.* What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
Equip	<2 <2 <2	12/21/11	MG

13

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler #	Temp. °C	Method	Coolant
client no #	0.8	IR	wet ice
client	1.2	↓	↓

Discrepancies Cont'd:

13

Login Sample Receipt Checklist

Client: URS Corporation

Job Number: 240-7148-1

Login Number: 7148
List Number: 1
Creator: Gambone, Mike

List Source: TestAmerica North Canton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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	0.8, 1.2
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX E

Data Quality Review

URS

Data Quality Review
Project: 20500205.00001; C&D Attica Residential Soil Lead
Analyses: Method 6010B lead in soil and also Percent Moisture

Reviewer: Peter Ciarleglio

Date Reviewed: 02/01/12

Guidance: Site Investigation QAPP for C&D Attica RCRA Facility Investigation, and National Functional Guidelines for Data Review (modified for non-CLP Methods)

The laboratory submitted two Sample Delivery Groups (SDGs) containing analytical results for lead in residential soil samples taken from properties near the C&D Technologies site in Attica, Indiana. The samples were collected December 19 and 20, 2011 by URS personnel. The samples were analyzed by Test America North Canton, using Methods 3050/6010B for the lead analyses. The results were corrected to a dry weight basis by percent moisture. The laboratory reports contained summary QC data, but did not include raw data or instrument calibrations. A data review was conducted for the parameters discussed in this report for the samples contained in the following table:

Laboratory Identification #	Sample Identification #
240-7149-1	CD:204:NY:NW 0-2
240-7149-2	CD:204:NY:W 0-2
240-7149-3	CD:204:NY:SE 0-2
240-7149-4	CD:204:NY:NW 2-6
240-7149-5	CD:204:NY:W 2-6
240-7149-6	CD:204:NY:SE 2-6
240-7149-7	CD:304:WY:S 0-2
240-7149-8	CD:304:WY:E 0-2
240-7149-9	CD:304:WY:W 0-2
240-7149-10	CD:304:WY:S 2-6
240-7149-11	CD:304:WY:E 2-6
240-7149-12	CD:304:WY:W 2-6
240-7149-13	CD:304:WY:S 6-12
240-7149-14	CD:304:NW:N 0-2
240-7149-15	CD:304:NW:W 0-2
240-7149-16	CD:304:NW:E 0-2
240-7149-17	CD:304:NW:N 2-6
240-7149-18	CD:304:NW:W 2-6
240-7149-19	CD:304:NW:E 2-6
240-7149-20	CD:300:WC:N 0-2
240-7149-21	CD:300:WC:E 0-2
240-7149-22	CD:300:WC:S 0-2
240-7149-23	CD:300:WC:E 2-6
240-7149-24	CD:300:WC:N 2-6
240-7149-25	CD:300:WC:S 2-6
240-7149-26	CD:DUP 1

Laboratory Identification #	Sample Identification #
240-7149-27	CD:DUP 2
240-7149-28	CD:204:WC:N 0-2
240-7149-29	CD:204:WC:S 0-2
240-7149-30	CD:204:WC:E 0-2
240-7149-31	CD:204:WC:N 2-6
240-7149-32	CD:204:WC:S 2-6
240-7149-33	CD:204:WC:E 2-6
240-7149-34	CD:DUP 3
240-7149-35	CD:307:NU:N 0-2
240-7149-36	CD:307:NU:E 0-2
240-7149-37	CD:307:NU:W 0-2
240-7149-38	CD:307:NU:N 2-6
240-7149-39	CD:307:NU:E 2-6
240-7149-40	CD:307:NU:W 2-6
240-7149-41	CD:DUP 4
240-7148-1	CD:EQUIPMENT BLANK
240-7148-2	CD:304:NT:N 0-2
240-7148-3	CD:304:NT:W 0-2
240-7148-4	CD:304:NT:E 0-2
240-7148-5	CD:304:NT:N 2-6
240-7148-6	CD:304:NT:W 2-6
240-7148-7	CD:304:NT:E 2-6
240-7148-8	CD:DUP 5
240-7148-9	CD:105:WC:N 0-2
240-7148-10	CD:105:WC:W 0-2
240-7148-11	CD:105:WC:N 2-6
240-7148-12	CD:105:WC:W 2-6
240-7148-13	CD:106:WC:E 0-2
240-7148-14	CD:106:WC:S 0-2
240-7148-15	CD:106:WC:E 2-6
240-7148-16	CD:106:WC:S 2-6
240-7148-17	CD:DUP 6
240-7148-18	CD:403:NT:S 0-2
240-7148-19	CD:403:NT:S 2-6
240-7148-20	CD:404:NT:W 0-2
240-7148-21	CD:404:NT:W 2-6

Part 1: Data Review

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes.

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes.

The only problem noted was a low recovery for the MSD for sample CD: 204: WC:N 0-2. The RPD was within limits at 6%. However, the parent sample contained lead (330 mg/kg) that exceeded the spike by more than 4X, which causes distortions in the recovery calculations. In these situations no data review qualifier is issued, and the result of the parent sample is considered fully acceptable, since the LCS recovery was within QC limits.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes.

Field ID	Parameter	Analyte	Qualification
NA			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Equipment Blanks or Trip Blanks?

No.

Blank ID	Parameter	Analyte	Concentration	Units
NA				

Analytical data that were reported non-detect or reported at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification. The following Table contains samples requiring validation qualifiers for blank contamination. All of the "UJ" qualified results should be considered as not detected at the reporting limit. See also SDG validation spreadsheet.

Field ID	Parameter	Analyte	New RL	Qualification
None				

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes.

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
NA					

Analytical data that required qualification based on LCS data are included in the table below. Analytical data which were reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Sample Result	Qualification
NA				

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Not applicable.

Field ID	Parameter	Surrogate	Recovery	Criteria
NA				

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data which was associated with quality control samples or which were reported as non-detect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Samples that had only one surrogate outside the limits would not be qualified provided all other surrogates met criteria, and provided that the outlier surrogate recovery was at least 10% or greater.

Field ID	Parameter	Analyte	Qualification
NA			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

Yes. MS/MSD was performed on three soil samples.

Were MS/MSD recoveries within evaluation criteria?

No. Samples that did not meet MS/MSD criteria are included in the table below. However, for the low recovery for the MSD noted in the following table, the concentration of the parent sample was >4X the spiking concentration of 67 mg/kg.

MS/MSD ID	Parameter	Analyte	Parent Sample Result (mg/kg)	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
CD: 204:WC:N 0-2	metals	lead	330	89/55	6	75-125, 20

Analytical data that required qualification based on MS/MSD data are included in the table below. The MS/MSD recoveries for inorganic compounds with sample concentrations greater than four times (4X) the matrix spike concentration did not require evaluation or qualification.

Field ID	Parameter	Analyte	Result	Qualification
No qualifiers				

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples collected as part of this SDG?

No, MS/MSD was used to monitor precision.

Were laboratory duplicate sample RPDs within criteria?

Not applicable.

Field ID	Parameter	Analyte	RPD	Criteria
NA				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
NA			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes. There were six field duplicate samples.

Field ID	Field Duplicate ID
CD:300:WC:E 0-2	CD:DUP 1
CD:300:WC:E 2-6	CD:DUP 2
CD:204:WC:S 0-2	CD:DUP 3
CD:307:NU:N 0-2	CD:DUP 4
CD:304:NT:N 2-6	CD:DUP 5
CD:106:WC:S 2-6	CD:DUP 6

Were field duplicates within evaluation criteria?

Yes. The criterion used for soil field duplicates was a maximum of 50% RPD.

Field ID	Field Duplicate ID	Analyte	Results	RPD	Qualification
NA					

10.0 Sample Dilutions

For samples that were diluted and non-detect, were undiluted results also reported?

All sample results were detected quantities at the dilutions used by the lab.

The following table identifies the analyses which were reported as non-detect, diluted, and an undiluted run was not reported:

Field ID	Parameter	Dilution Factor
NA		

11.0 Additional Qualifications

Were additional qualifications applied?

No.

Field ID	Parameter	Analyte	Result mg/kg	Validation Qualification
NA				