

QUESTA MINE APRIL/MAY 2010 SOIL AND VEGETATION SAMPLING EVENT DEMONSTRATION SOLAR FACILITY AND ALTERNATIVE COVER DEPTH PROJECT

Prepared for
Chevron Mining Inc.
Questa, New Mexico

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TABLE OF CONTENTS

| | | |
|------------|--|----------|
| 1.0 | FIELD ACTIVITIES | 1 |
| 2.0 | MODIFICATIONS FROM SAMPLING PLAN..... | 2 |
| 3.0 | SAMPLING ACTIVITIES | 2 |
| 3.1 | Soil/Tailing Cover Sampling | 2 |
| 3.2 | Vegetation Sampling..... | 2 |
| 3.3 | Borrow Sampling | 3 |
| 3.4 | Laboratory Analysis/Results..... | 3 |
| 4.0 | REFERENCES | 4 |

List of Tables

Table 1 – Description of Interim Soil Cover and Tailing Material for each Sample Location

Table 2 – Plant Species Sampled

Table 3 – Count of Plant Species Collected per Cover Depth Plot

Table 4 – Description of Vegetation and Root Zone Soil Samples

Table 5 – Soil, Tailing, and Plant Laboratory Analytical Results

Table 6 – Borrow Area Soil Analytical Results

Table 7 – Borrow Area Soil Particle Size Analysis

List of Figures

Figure 1 – Site Map

Figure 2 – Overview of Soil and Vegetation Sample Locations in Cover and Borrow Areas

Figure 3 – Soil and Vegetation Sample Locations in Cover Area

Figure 4 – Borrow Area Sample Locations

List of Appendices (on CD)

Appendix A – Select Annotated Field Photographs, and all field photos with photo log

Appendix B – Field Data Sheets

Appendix C – Data Validation Reports

Appendix D – Laboratory Data Packages (TestAmerica, Energy Laboratory, University of Colorado)

URS Corporation (URS) conducted the pre-construction soil and vegetation sampling event as part of the Demonstration Solar Facility and Alternative Cover Depth Project at the Chevron Mining Inc. (CMI) Questa Mine located in Questa, New Mexico (Figure 1). The objective of the pre-construction sampling was to create a baseline for comparison of soil and vegetation results collected in subsequent years and to evaluate the effectiveness of various cover depths for the protection of human health and the environment. This report presents a summary of field activities, modifications from the sampling plan, tabulated results, and provides Appendices containing field documentation (photographs and field data sheets) and the data validation reports and lab data packages.

1.0 FIELD ACTIVITIES

Field activities for the preconstruction soil and vegetation sampling were conducted between April 26 and May 3, 2010. A kickoff meeting was held Monday, April 26, 2010. Field sampling activities began on Tuesday, April 27, 2010. A 3-person field team collected interim cover soil, tailing, above ground and below ground (root) vegetation (grass, forb, and shrub), and root zone soil samples. Samples were collected from 27 locations in 3 different cover depth plots within the northeastern portion of the tailing facility that was designated as the Alternative Cover Depth project site (Figure 2). Each cover plot contained 3 transects per plot and 3 sample locations per transect were collected. Interim cover soil and tailing samples were collected within a 1-foot radius of the staked location for each of the 27 sample locations.

In addition, six soil samples were collected from a proposed borrow material source area located northwest and southwest of the project site (Figure 2). Not all vegetation types were available at the 27 locations. A root zone soil sample was only collected when a root sample was collected (i.e., the vegetation type was present at that sampling location). Sample locations are presented on Figure 3. In summary, the following samples were collected:

- 27 tailing samples;
- 27 interim cover soil samples
- 47 root zone soil samples;
- 94 vegetation samples (i.e., 47 above and 47 below ground plant tissue samples);
 - 48 grass samples;
 - 26 forb samples;
 - 20 shrub samples;
- 9 bio-accessibility samples
 - 5 grass root zone samples;
 - 2 forb root zone soil samples; and
 - 2 shrub root zone soil samples.

Field activities were conducted in general accordance with the Quality Assurance Project Plan (QAPP), Standard Operating Procedures (SOPs) and Sampling and Analysis Plan (SAP) that were developed for this project. Photographs together with a photographic log are included as Appendix A. Field data sheets of soil, tailing, and vegetation samples are included as Appendix B.

2.0 MODIFICATIONS FROM SAMPLING PLAN

Two modifications from the sampling plan were identified and implemented in the field. Vegetation and root zone soil samples were collected within a 2-meter radius of the staked location, a modification to the 0.5-meter radius as described in the SAP. Transect lengths were adjusted to 80 feet instead of 25 meters, and two of the sampling points were located on the west and east end of each transect line.

3.0 SAMPLING ACTIVITIES

3.1 Soil/Tailing Cover Sampling

Interim cover soil and tailing samples were collected with decontaminated trowels from the side walls of shallow trenches that were excavated by hand using a clean shovel. Root zone soil samples were composited from the root zones of the respective vegetation type (i.e., grass, forb, shrub) and consisted of soil and tailing material depending on the rooting depth of the respective plants. Root zone soil samples were collected by using a shovel to uplift the root portion of the plant from the ground. The soil/tailing material associated with the root zone of the plant sample was placed in the stainless steel bowl. Soil and tailing samples, once collected in a stainless steel bowl, were homogenized by mixing with gloved (nitrile) hands and/or a decontaminated stainless steel spoon. Organic material such as roots and leaves, and pebble and gravel-size fractions were removed by hand during the mixing process. Samples were placed in laboratory provided clean jars or in 1-gallon Ziplock bags (bio-accessibility tests). Sample containers (i.e., jars and Ziplock bags) were properly labeled to include sample name, sample date and time, analysis requested, and required preservation. Sample containers were placed in coolers on wet ice while awaiting transport to the laboratory. All samples were shipped under chain of custody to TestAmerica Burlington and the University of Colorado.

Interim cover material thicknesses were measured between 3 and 12 inches consisting of brown to reddish brown sandy, clayey silt to silty, clayey sand with few to some gravel and cobble (Table 1). Interim cover soils were collected from ground surface to 3 inches below the ground. Tailing material consisted of light gray to gray clayey, silty to silty fine to medium sand consistent with tailing material found at other (historic) tailing ponds at the tailing facility. Tailing material was sampled from the soil/tailing interface to 3 inches below that interface.

3.2 Vegetation Sampling

Vegetation sampling and the choice of plant species was limited by the early season. Table 2 provides a list of the plant species available at the time of sampling. For grasses, intermediate wheatgrass had a good amount of fresh green growth and was available at most sample sites. Indian ricegrass was collected at a few sites where intermediate wheatgrass was not available but required additional processing time to separate last year's old material from the limited amount of new growth. Available forbs were just beginning to grow and typically had new stems that were in a rosette 1 to 3 inches long. New stems with leaves were cut or pinched off the plant. Only one shrub was generally available, rubber rabbitbrush. Table 3 provides a list of plant species available at each sampling location. Most of the material collected for this species consisted of green stems with very young green leaves. The typical sampling method for the

three life forms was to lift the plants out of the ground by inserting a shovel below the estimated maximum root depth and leveraging the entire plant and root zone soil out of the ground. This was effective for the sampled species including rabbitbrush up to approximately 15 inches tall. Larger rabbitbrush plants were mostly not sampled because digging holes around the crown to extract roots was found to be much less effective. The root zone soil sample was collected from around the roots as the plants were lifted from the ground. The aboveground and belowground parts were then clipped off, bagged, and washed. Only the small and intermediate sized roots were collected, up to about 10 mm diameter, and larger taproots of forbs and rabbitbrush were not used. Table 4 provides the description for each of the vegetation and root zone soil samples collected. For some of the forb samples, the new soft aboveground growth was collected by pinching rather than clipping. Aboveground and belowground vegetation samples were washed with distilled or deionized water until no visible discoloration of the wash water was noted. Washed samples were gently dried using paper towels before placing vegetation samples in new and labeled Ziplock bags. Samples were shipped in coolers on wet ice under chain of custody to TestAmerica.

3.3 Borrow Sampling

Six soil samples were collected from the proposed borrow area (Figure 3). Four composite samples (BA1 through BA4) were collected from the exposed, vertical portion of the eastern side of the highwall of the identified borrow material source for particle size analysis, and analysis of molybdenum, primary and secondary nutrients, and other pertinent agricultural parameters as described in the project-specific QAPP (Figure 4). Talus along the toe of the highwall was not collected for analysis. The east side of the borrow area was sub-divided in four sections, which comprised the 4 composite samples. At each location, soil (i.e., borrow material) sub-samples were collected in clean 1-gallon buckets, which were transferred into clean (new) 5-gallon plastic buckets. Soil sub-samples were collected directly into the 1-gallon bucket by scraping soil material from the highwall using a clean stainless steel trowel. The highwall was estimated to be between 20 and 30 feet in height. The exposed, vertical portion of the highwall was estimated to account for approximately 20 to 60 percent of the total height of the highwall (see attached photographs).

Two additional composite soil samples (BA5 and BA6) were collected from the top of the borrow area for molybdenum analysis performed by TestAmerica (Figure 4). Soil samples were collected from ground surface to 6 inches below ground from 10 sub-sample locations spaced on 2-foot centers. Samples were placed into a clean stainless steel bowl. The composite samples were mixed using gloved (nitrile) hands or a stainless steel trowel. Following mixing (homogenization), soil samples were placed in laboratory provided, clean jars, and stored in coolers on wet ice while awaiting transport to the laboratory. Samples were shipped under chain of custody to TestAmerica.

3.4 Laboratory Analysis/Results

Soil (interim cover and root zone), tailing and vegetation samples were submitted to TestAmerica's Burlington, Vermont laboratory for molybdenum analysis. Nine select root zone soil samples were submitted to the Laboratory of Environmental and Geological Studies of the

Department of Geological Science of the University of Colorado in Boulder, Colorado for molybdenum in-vitro bio-accessibility analysis.

Soil, tailings and vegetation samples were analyzed by TestAmerica for molybdenum per methods specified in the project-specific QAPP. Laboratory analytical data are summarized in Table 5 (soil/tailing, vegetation, and root zone soil sampling results, and molybdenum in-vitro bio-accessibility results).

The borrow material samples were shipped to TestAmerica for particle size and molybdenum analyses. Particle size analysis was performed according to ASTM Method D422. Sieve sizes ranged from 3-inch (cobble size particles) to sieve #200 (fine size particles). Upon sieving (particle size analysis), the less than 2-millimeter (mm) fraction was combined, homogenized and a sub-sample collected and analyzed for molybdenum. The remainder of the less than 2-mm fraction was submitted by TestAmerica under chain of custody to the Helena, Montana laboratory of Energy Laboratories, Inc (Energy Labs) for analysis of agronomical parameters as described in the QAPP and to evaluate the soil texture, and the sand, silt, and clay content of the less than 2-mm fraction. Table 6 provides the borrow sample results for agronomical and physical parameters. Table 7 provides the particle size results for the borrow samples.

Laboratory data were validated in accordance with the QAPP (URS 2010). Data validation summary reports are included as Appendix C. Complete laboratory data packages are included as Appendix D.

4.0 REFERENCES

URS Corporation. 2010. Chevron Mining Inc., Questa Mine Sampling Quality Assurance Project Plan, Revision 0.0. Prepared for Chevron Mining Inc., Questa, New Mexico. April.

Table 1
DESCRIPTION OF INTERIM SOIL COVER AND TAILING MATERIAL FOR EACH SAMPLE LOCATION
CMI Questa Mine
Soil and Vegetation Sampling Event
April/May 2010

| Cover Depth Plot | Transect No. per Cover Plot | Sample Location | Interim Cover Soil/Tailing | | |
|---------------------|--------------------------------|--------------------|---|-----------------------|--|
| | | | Interim Cover Soil | | Tailing |
| | | | T01N-SOL | Cover | T01N-TLG |
| | | | Soil Description | Thickness (Inches) | Soil Descriprion |
| 1-foot Plot | 1 | CVR1TR1-1 | Reddish brown clayey silt with few gravel | 4 | Gray to dark gray clayey, silty sand |
| | | CVR1TR1-2 | Reddish brown clayey silt with few gravel | 5 | Gray to dark gray clayey, silty sand |
| | | CVR1TR1-3 | Reddish brown clayey silt with few gravel | 4 | Gray to dark gray clayey, silty sand |
| | 2 | CVR1TR2-1 | Brown clayey silt with some gravel | 10 | Gray to dark gray clayey, silty sand |
| | | CVR1TR2-2 | Reddish brown clayey silt with some gravel | 6 | Gray to dark gray clayey, silty sand |
| | | CVR1TR2-3 | Reddish brown clayey silt with some gravel | 6 | Gray to dark gray clayey, silty sand |
| | 3 | CVR1TR3-1 | Dark brown sandy silt with some gravel | 4 | Gray to dark gray silty sand |
| | | CVR1TR3-2 | Dark brown sandy silt with some gravel | 7½ | Gray to dark gray silty sand |
| | | CVR1TR3-3 | Brown silty sand with some gravel | 4½ | Gray to dark gray silty sand |
| 2-foot Plot | 1 | CVR2TR1-1 | Reddish brown clayey silt with few gravel | 4 | Gray to dark gray clayey, silty sand |
| | | CVR2TR1-2 | Reddish brown clayey silt with some cobble | 8 | Gray to dark gray clayey, silty sand |
| | | CVR2TR1-3 | Light brown sandy silt | 3 | Gray to dark gray sandy silt |
| | 2 | CVR2TR2-1 | Brown clayey silt with some cobble | 4 | Gray to dark gray clayey, silty sand |
| | | CVR2TR2-2 | Reddish brown clayey silt with some gravel and cobble | 7 | Gray to dark gray clayey, silty sand |
| | | CVR2TR2-3 | Reddish brown clayey silt with some gravel and cobble | 6 | Gray to dark gray silty, clayey sand |
| | 3 | CVR2TR3-1 | Brown silty sand | 3½ | Gray to dark gray silty sand |
| | | CVR2TR3-2 | Brown sandy silt with some gravel | 9 | Gray to dark gray sandy silt |
| | | CVR2TR3-3 | Brown sandy silt with some gravel | 4 | Gray to dark gray sandy silt |
| 3-foot Plot | 1 | CVR3TR1-1 | Brown clayey silt with some gravel | 5 | Gray to dark gray clayey, silty sand |
| | | CVR3TR1-2 | Brown sandy silt with few gravel | 4 | Gray to dark gray sandy silt |
| | | CVR3TR1-3 | Reddish brown clayey silt with few gravel | 9 | Gray to dark gray clayey, silty sand |
| | 2 | CVR3TR2-1 | Light reddish brown clayey silt with fine roots | 6 | Gray to dark gray clayey, silty sand with fine roots |
| | | CVR3TR2-2 | Brown silty clay | 8 | Gray to dark gray silty, clayey sand |
| | | CVR3TR2-3 | Reddish brown silty clay | 10 | Gray to dark gray silty, clayey sand |
| | 3 | CVR3TR3-1 | Brown sandy silt with some gravel | 10 | Gray to dark gray sandy silt |
| | | CVR3TR3-2 | Brown sandy silt with some gravel | 12 | Gray to dark gray sandy silt |
| | | CVR3TR3-3 | Brown sandy silt with some gravel | 3 | Gray to dark gray sandy silt |

Table 2
PLANT SPECIES SAMPLED
CMI Questa Mine
Soil and Vegetation Sampling Event
April/May 2010

| Common Name | Scientific Name | Sample Location | | | Total Samples |
|----------------------------|-------------------------------|-----------------|---------|---------|---------------|
| | | Cover 1 | Cover 2 | Cover 3 | |
| Grasses | | | | | |
| Intermediate wheatgrass | <i>Thinopyrum intermedium</i> | 9 | 6 | 5 | 20 |
| Indian ricegrass | <i>Achnatherum hymenoides</i> | 0 | 1 | 3 | 4 |
| Total grass samples | | 9 | 7 | 8 | 24 |
| Grass sample not collected | | 0 | 2 | 1 | 3 |
| Forbs | | | | | |
| Alfalfa | <i>Medicago sativa</i> | 1 | 0 | 6 | 7 |
| Hairy goldenaster | <i>Chrysopsis villosa</i> | 1 | 4 | 0 | 5 |
| Broom ragwort | <i>Senecio spartioides</i> | 1 | 0 | 0 | 1 |
| Total forb samples | | 3 | 4 | 6 | 13 |
| Forb sample not collected | | 6 | 5 | 3 | 14 |
| Shrubs | | | | | |
| Rubber rabbitbrush | <i>Ericameria nauseosa</i> | 0 | 2 | 8 | 10 |
| Shrub sample not collected | | 9 | 7 | 1 | 17 |

Table 3
COUNT OF PLANT SPECIES COLLECTED PER COVER DEPTH PLOT
CMI Questa Mine
Soil and Vegetation Sampling Event
April/May 2010

| Sample Location | Grass | Forb | Shrub |
|-----------------|-------------------------|-------------------|--------------------|
| Cover 1 | | | |
| TR1-1 | Intermediate wheatgrass | -- | -- |
| TR1-2 | Intermediate wheatgrass | -- | -- |
| TR1-3 | Intermediate wheatgrass | -- | -- |
| TR2-1 | Intermediate wheatgrass | -- | -- |
| TR2-2 | Intermediate wheatgrass | -- | -- |
| TR2-3 | Intermediate wheatgrass | -- | -- |
| TR3-1 | Intermediate wheatgrass | Alfalfa | -- |
| TR3-2 | Intermediate wheatgrass | Broom ragwort | -- |
| TR3-3 | Intermediate wheatgrass | Hairy goldenaster | -- |
| Cover 2 | | | |
| TR1-1 | -- | Hairy goldenaster | Rubber rabbitbrush |
| TR1-2 | Indian ricegrass | Hairy goldenaster | -- |
| TR1-3 | -- | Hairy goldenaster | -- |
| TR2-1 | Intermediate wheatgrass | -- | -- |
| TR2-2 | Intermediate wheatgrass | Hairy goldenaster | -- |
| TR2-3 | Intermediate wheatgrass | -- | -- |
| TR3-1 | Intermediate wheatgrass | -- | -- |
| TR3-2 | Intermediate wheatgrass | -- | Rubber rabbitbrush |
| TR3-3 | Intermediate wheatgrass | -- | -- |
| Cover 3 | | | |
| TR1-1 | Intermediate wheatgrass | -- | Rubber rabbitbrush |
| TR1-2 | Intermediate wheatgrass | Alfalfa | Rubber rabbitbrush |
| TR1-3 | Indian ricegrass | Alfalfa | Rubber rabbitbrush |
| TR2-1 | -- | Alfalfa | Rubber rabbitbrush |
| TR2-2 | Intermediate wheatgrass | Alfalfa | -- |
| TR2-3 | Indian ricegrass | Alfalfa | Rubber rabbitbrush |
| TR3-1 | Intermediate wheatgrass | -- | Rubber rabbitbrush |
| TR3-2 | Intermediate wheatgrass | -- | Rubber rabbitbrush |
| TR3-3 | Indian ricegrass | Alfalfa | Rubber rabbitbrush |
| Total | 24 | 13 | 10 |

Note:

-- = no sample collected because plant type not present at sample location.

Table 4
DESCRIPTION OF VEGETATION AND ROOT ZONE SOIL SAMPLES
CMI Questa Mine
Soil and Vegetation Sampling Event
April/May 2010

| Sample Location | Species | Number of Individuals Sampled (Above ground, Root) | Aboveground Sample | | | Belowground Sample | | |
|-------------------|-------------------------|--|----------------------------------|---------------------------|--|--------------------------------|--|---|
| | | | Average Height of Sampled Plants | Sampling/ Clipping Height | Description | Average Observed Rooting Depth | Description | Root Zone Soil Description |
| Grasses - Cover 1 | | | | | | | | |
| TR1-1 | Intermediate wheatgrass | 5, 5 | 7 inches | 0.5 inch aboveground | All leaf material, small amount of insect holes, small amount of yellow attenuate tips | 4 inches | Fibrous roots, ¼ mm-2 mm diameter, 4 inches long, tan, rhizomes in sample | Reddish brown clayey silt, few gravel |
| TR1-2 | Intermediate wheatgrass | 5, 5 | 4 inches | 0.5 inch aboveground | All leaf material, moderate amount of yellow insect spots and small amount of yellow attenuate tips | 4 inches | Fibrous roots, ¼-2 mm diameter, 4 inches long, tan, rhizomes in sample | Reddish brown clayey silt, few gravel |
| TR1-3 | Intermediate wheatgrass | 5, 5 | 3 inches | 0.5 inch aboveground | All leaf material | 5 inches | Fibrous roots, ¼-2 mm diameter, 5 inches long, tan, rhizomes present. Even though plant appears to be stunted aboveground, root system is well developed | Reddish brown clayey silt, few gravel |
| TR2-1 | Intermediate wheatgrass | 5, 5 | 5 inches | 0.5 inch aboveground | All leaf material, some yellow attenuate tips | 4 inches | Fibrous roots, ½-2 mm diameter, 4 inches long, tan | Brown clayey silt, some gravel |
| TR2-2 | Intermediate wheatgrass | 5,5 | 6 inches | 0.5 inch aboveground | All leaf material, minor amount of yellow attenuate tips | 6 inches | Fibrous roots, ¼-2 mm diameter, 6 inches long, tan, rhizomes present | Reddish brown clayey silt, some gravel |
| TR2-3 | Intermediate wheatgrass | 5, 5 | 8 inches | 0.5 inch aboveground | All leaf material, minor amount of yellow attenuate tips | 8 inches | Fibrous roots, ¼-2.5 mm diameter, 7 inches long, tan, | Reddish brown clayey silt, some gravel |
| TR3-1 | Intermediate wheatgrass | 5, 5 | 6 inches | 0.5 inch aboveground | All leaf material | 4-6 inches | Fibrous roots, ½-2 mm diameter, up to 6 inches long, white -tan | Dark brown sandy silt, some gravel |
| TR3-2 | Intermediate wheatgrass | 5, 5 | 7 inches | 0.5 inch aboveground | All leaf material | 5 inches | Fibrous roots, ½-3 mm diameter, 5 inches long, beige to light brown | Dark brown sandy silt, some gravel |
| TR3-3 | Intermediate wheatgrass | 5, 5 | 6 inches | 0.5 inch aboveground | All leaf material | 5 inches | Fibrous roots, ½-1 mm diameter, 4 inches long, beige to brown | Brown sandy silt, some gravel |
| Grasses - Cover 2 | | | | | | | | |
| TR1-1 | No grass sample | -- | -- | -- | -- | -- | -- | -- |
| TR1-2 | Indian ricegrass | 12, 7 | 3 inches | 0.5 inch aboveground | All leaf material, leaves short because sampled early in season | 4 inches | Fibrous roots, ½-1.5 mm diameter, 4 inches long, tan | Reddish brown clayey silt, some cobble |
| TR1-3 | No grass sample | -- | -- | -- | -- | -- | -- | -- |
| TR2-1 | Intermediate wheatgrass | 5, 5 | 4 inches | 0.5 inch aboveground | All leaf material, minor amount of yellow attenuate tips | 5 inches | Fibrous roots, ½-2 mm diameter, 5 inches long, tan to white, rhizomes | Brown clayey silt, some cobble |
| TR2-2 | Intermediate wheatgrass | 5, 5 | 6 inches | 0.5 inch aboveground | All leaf material, 5% of leaves have yellow attenuate tips, one plant half eaten by elk | 6 inches | Fibrous roots, ¼-2 mm diameter, 5 inches long, rhizomes in sample | Reddish brown clayey silt, some gravel and cobble |
| TR2-3 | Intermediate wheatgrass | 5, 5 | 5 inches | 0.5 inch aboveground | All leaf material, minor amount of yellow attenuate tips, extending into intermediate sections of leaves | 4-6 inches | Fibrous roots, ¼-2 mm diameter, 4 inches long, tan, fine sediment attached to roots before washing | Reddish brown clayey silt, some gravel and cobble |
| TR3-1 | Intermediate wheatgrass | 5, 5 | 5 inches | 0.5 inch aboveground | All leaf material, minor amount of insect herbivory | 4-5 inches | Fibrous roots, ½-1 mm diameter, 4 inches long, white to tan, some roots extend into tailing | Brown sandy silt, some gravel |
| TR3-2 | Intermediate wheatgrass | 5, 5 | 5-10 inches | 0.5 inch aboveground | All leaf material, minor amount of insect herbivory | 6 inches | Fibrous roots, ¼-2 mm diameter, 6 inches long, tan, old rhizomes in sample | Brown sandy silt, some gravel |
| TR3-3 | Intermediate wheatgrass | 5, 5 | 4-6 inches | 0.5 inch aboveground | All leaf material | 4.5 inches | Fibrous roots, ¼-2 mm diameter, 4 inches long, tan | Brown sandy silt, some gravel |

Table 4
DESCRIPTION OF VEGETATION AND ROOT ZONE SOIL SAMPLES
CMI Questa Mine
Soil and Vegetation Sampling Event
April/May 2010

| Sample Location | Species | Number of Individuals Sampled (Above ground, Root) | Aboveground Sample | | | Belowground Sample | | |
|-------------------|-------------------------|--|---|---------------------------|---|--------------------------------|---|--|
| | | | Average Height of Sampled Plants | Sampling/ Clipping Height | Description | Average Observed Rooting Depth | Description | Root Zone Soil Description |
| Grasses - Cover 3 | | | | | | | | |
| TR1-1 | Intermediate wheatgrass | 5, 5 | 4 inches | 0.5 inch aboveground | All leaf material, minor amounts of yellow insect spots and yellow attenuate tips | 4 inches | Fibrous roots, ¼-2 mm diameter, 4 inches long, tan | Brown clayey silt, some gravel |
| TR1-2 | Intermediate wheatgrass | 5, 5 | 4 inches | 0.5 inch aboveground | All leaf material, some yellow attenuate tips | 4 inches | Fibrous roots, ¼-2 mm diameter, 4 inches long, white and tan, few rhizomes in sample | Brown sandy silt, few gravel |
| TR1-3 | Indian ricegrass | 5, 5 | 8 inches | 0.5 inch aboveground | All leaf material | 4-5 inches | Taproot and lateral root, ¼-2 mm diameter, 4-5 inches long, tan | Reddish brown clayey silt, few gravel |
| TR2-1 | No grass sample | -- | -- | -- | -- | -- | -- | -- |
| TR2-2 | Intermediate wheatgrass | 3, 3 | 4 inches | 0.5 inch aboveground | All leaf material, yellow spotting from insects | 6 inches | Fibrous roots, ¼-2 mm diameter, 5 inches long | Brown silty clay |
| TR2-3 | Indian ricegrass | 6, 6 | 5-6 inches | 0.5 inch aboveground | All leaf material | 5 inches | Fibrous roots, ¼-2 mm diameter, 4 inches long, roots growing into tailing | Brown silty clay, some gravel |
| TR3-1 | Intermediate wheatgrass | 5, 5 | 3-5 inches | 0.5 inch aboveground | All leaf material, some damage by insects | 5-6 inches | Fibrous roots, ½-2 mm diameter, 4 inches long, tan | Brown sandy silt, some gravel |
| TR3-2 | Intermediate wheatgrass | 5, 5 | 5-7 inches | 0.5 inch aboveground | All leaf material | 5-6 inches | Fibrous roots, ¼-1 mm diameter, 1 inch long, white to tan | Brown sandy silt, some gravel |
| TR3-3 | Indian ricegrass | 5, 5 | 4-10 inches | 0.5 inch aboveground | All leaf material | 4-5 inches | Fibrous roots, ¼-2 mm diameter, 3 inches long | Brown sandy silt, some gravel |
| Forbs – Cover 1 | | | | | | | | |
| TR1-1 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| TR1-2 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| TR1-3 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| TR2-1 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| TR2-2 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| TR2-3 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| TR3-1 | Alfalfa | 3, 3 | 1 inch tall, stems are 2-4 inches long in rosette | Ground level | Leaves and green stems, some insect damage | 6-8 inches | Taproot and fibrous roots, root nodules present, up to ½ inch diameter, white, 6-8 inches long | Dark brown silty sand, some gravel |
| TR3-2 | Broom ragwort | 3, 4 | 2 inches in rosette | 0.5 inch above ground | All leaf material | 6 inches | Smaller taproot and lateral roots, taproot is woody, lateral roots tan, diameter 0.5-10 mm, root pieces 5 inches long | Dark brown sandy silt, some gravel |
| TR3-3 | Hairy goldenaster | 5, 8 | ¾ inch in rosette | 0.25 inch above ground | Leaves and green stems | 8 inches | Taproot and lateral roots, brown, taproot woody, ¼ - 8 mm diameter, up to 8 inches long, roots extend into tailing | Brown sandy silt, some gravel |
| Forbs – Cover 2 | | | | | | | | |
| TR1-1 | Hairy goldenaster | 5, 5 | 1 inch tall, stems 2-3 inches long in rosette | 0.5 inch above ground | Green stems and young leaf material, one individual had insects | 9 inches | Smaller portions of taproot with lateral roots, 1–10 mm diameter, white to tan, up to 9 inches long | Reddish brown clayey silt, few gravel |
| TR1-2 | Hairy goldenaster | 8, 8 | 1-2 inches in rosette | 0.5 inch above ground | Stem and young green leaves | 8 inches | Taproot and lateral roots, 0.5–10 mm diameter, tan, up to 8 inches long | Reddish brown clayey silt, some cobble |

Table 4
DESCRIPTION OF VEGETATION AND ROOT ZONE SOIL SAMPLES
CMI Questa Mine
Soil and Vegetation Sampling Event
April/May 2010

| Sample Location | Species | Number of Individuals Sampled (Above ground, Root) | Aboveground Sample | | | Belowground Sample | | |
|------------------|--------------------|--|---|---------------------------|--|--------------------------------|--|---|
| | | | Average Height of Sampled Plants | Sampling/ Clipping Height | Description | Average Observed Rooting Depth | Description | Root Zone Soil Description |
| TR1-3 | Hairy goldenaster | 6, 6 | 1 inch | 0.5 inch above ground | Stem and young green leaves | 8 inches | Taproot and lateral roots, 0.5-10 mm, 8 inches long, tan | Light brown sandy silt |
| TR2-1 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| TR2-2 | Hairy goldenaster | 5, 5 | 1 inch tall, stems 1.5 inch long in rosette | 0.5 inch above ground | Stem and leaf material | 8 inches | Taproot and lateral roots, ½-8 mm, 6-8 inches long, white to tan | Reddish brown clayey silt, some gravel and cobble |
| TR2-3 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| TR3-1 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| TR3-2 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| TR3-3 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| Forbs – Cover 3 | | | | | | | | |
| TR1-1 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| TR1-2 | Alfalfa | 7, 7 | 1 inch | 0.5 inch above ground | Green stem and leaf material, minor scallops and holes from insects | 9 inches | Taproot and lateral roots, ½ - 10 mm, up to 9 inches, white-tan | Brown sandy silt, few gravel |
| TR1-3 | Alfalfa | 12, 12 | 1 inch tall, 2-3 inch stems in rosette | 0.5 inch above ground | Green stem and leaf material, moderate amount of insect holes | 5 inches | Taproot and lateral roots, 2-10 mm diameter, up to 5 inches, tan | Reddish brown clayey silt, few gravel |
| TR2-1 | Alfalfa | 6, 6 | 1 inch tall rosette | 0.25 inch above ground | Green stem and leaf material, minor amount of insect holes | 6 inches | Taproot and lateral roots, ¼ -10 mm, up to 6 inches long, white-tan | Light reddish brown clayey silt |
| TR2-2 | Alfalfa | 6, 6 | 1 inch tall, 2 inch long stems in rosette | 0.25 inch above ground | Green stems and young leaves, minor amount of insect damage including holes and discoloration. | 6 inches | Taproot and lateral roots, ¼ - 10 mm, up to 6 inches long | Brown clayey silt |
| TR2-3 | Alfalfa | 6, 6 | 1-3 inches | 0.5 inch above ground | Green stems and leaves, some insect damage | 3-4 inches | Taproot and lateral roots, ¼ - 3 mm diameter, 3 inches long | Brown silty clay, some gravel |
| TR3-1 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| TR3-2 | No forb sample | -- | -- | -- | -- | -- | -- | -- |
| TR3-3 | Alfalfa | 5, 5 | 1-3 inches | 0.5 inch above ground | Green leaves and stems, some insect damage | 5-8 inches | Taproot and lateral roots, ¼ - 2 mm, up to 3 inches long | Brown sandy silt, some gravel |
| Shrubs – Cover 1 | | | | | | | | |
| TR1-1 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR1-2 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR1-3 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR2-1 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR2-2 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR2-3 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR3-1 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR3-2 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR3-3 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| Shrubs – Cover 2 | | | | | | | | |
| TR1-1 | Rubber rabbitbrush | 5, 5 | 10 inches | 2-12 inches above ground | Green stems and young green leaves, plants not very vigorous | 12 inches | Taproot and lateral roots, up to 10 mm diameter, tan, up to 12 inches long, some roots extend into tailing | Reddish brown clayey silt, few gravel |
| TR1-2 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR1-3 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |

Table 4
DESCRIPTION OF VEGETATION AND ROOT ZONE SOIL SAMPLES
CMI Questa Mine
Soil and Vegetation Sampling Event
April/May 2010

| Sample Location | Species | Number of Individuals Sampled (Above ground, Root) | Aboveground Sample | | | Belowground Sample | | |
|------------------|--------------------|--|----------------------------------|---------------------------|---|--------------------------------|--|---------------------------------------|
| | | | Average Height of Sampled Plants | Sampling/ Clipping Height | Description | Average Observed Rooting Depth | Description | Root Zone Soil Description |
| TR2-1 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR2-2 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR2-3 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR3-1 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR3-2 | Rubber rabbitbrush | 4, 4 | 12-24 inches | 6-24 inches above ground | Green stems with young green leaves about 0.5 inches long, clipped stems 4-6 inches long, moderate amount of insect galls, evidence of browsing | 12 inches | Lateral roots, 1-10 mm diameter, tan, 12-18 inches long | Light gray sandy silt, some gravel |
| TR3-3 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| Shrubs – Cover 3 | | | | | | | | |
| TR1-1 | Rubber rabbitbrush | 5, 5 | 10 inches | 6 inches above ground | Green stems and young green leaves, small but relatively vigorous plants, clipped stems to 8 inches long. | 10 inches | Taproot and lateral roots, ½ to 10 mm diameter, clipped pieces up to 10 inches length, tan | Brown clayey silt, some gravel |
| TR1-2 | Rubber rabbitbrush | 5, 5 | 12 inches | 6 inches above ground | Green stems and young green leaves, moderately vigorous plants | 10 inches | Taproot and lateral roots, ½ - 10 mm diameter, tan-white, clipped pieces up to 10 inches long | Brown sandy silt, few gravel |
| TR1-3 | Rubber rabbitbrush | 5, 5 | 10 inches | 6 inches above ground | Green stems and young green leaves, some browsing, insect galls, moderately vigorous plants | 10 inches | Taproot and lateral roots, ½ -10 mm diameter, clipped pieces 10 inches long, tan | Reddish brown clayey silt, few gravel |
| TR2-1 | Rubber rabbitbrush | 5, 5 | 12-18 inches | 6-12 inches above ground | Green stems with young green leaves, vigorous growth, clipped pieces 6-9 inches long, healthy | 8-10 inches | Taproot and majority lateral roots, 1-5 mm diameter, clipped pieces 4-5 inches long, tan | Light reddish brown clayey silt |
| TR2-2 | No shrub sample | -- | -- | -- | -- | -- | -- | -- |
| TR2-3 | Rubber rabbitbrush | 6, 6 | 2-18 inches | 2-18 inches above ground | Green stems with young green leaves, one plant had galls | 9 inches | Taproot and lateral roots, ½ - 10 mm diameter, clipped pieces up to 8 inches long, tan | Brown silty clay, some gravel |
| TR3-1 | Rubber rabbitbrush | 5, 5 | 24-30 inches | Not recorded | Green stems and young green leaves, clipped pieces 4-6 inches long | 12 inches | Lateral roots, ½ - 3 mm diameter, clipped pieces up to 6 inches long, beige - white | Brown sandy silt, some gravel |
| TR3-2 | Rubber rabbitbrush | 8, 5 | 24-30 inches | 8-18 inches above ground | Green stems with young green leaves | 12 inches | Taproot and lateral roots, ½ - 10 mm diameter, clipped pieces up to 8 inches long, extend into tailing | Brown sandy silt, some gravel |
| TR3-3 | Rubber rabbitbrush | 6, 5 | 8 -24 inches | 2-24 inches above ground | Green stems and young green leaves. Smaller plants had little green growth, appear to be growing poorly | 10 inches | Taproot and lateral roots, ½- 10 mm diameter, clipped pieces up to 9 inches long, roots growing into tailing | Brown sandy silt, some gravel |

Note:
-- denotes that the plant species was not available.

Table 5
SOIL, TAILING, AND PLANT LABORATORY ANALYTICAL RESULTS
CMI Questa Mine
Soil and Vegetation Sampling Event
April/May 2010

| Cover Depth Plot | Transect No. per Cover Plot | Sample Location | Soil/Tailing | | Grasses | | | | Forbs | | | | Shrubs | | | |
|------------------|-----------------------------|-----------------|--------------|------------|--------------------------|-------------|----------------|-----------------------|--------------------------|-------------|----------------|-----------------------|--------------------------|-------------|----------------|-----------------------|
| | | | Soil | Tailing | Vegetation | | Root Zone Soil | | Vegetation | | Root Zone Soil | | Vegetation | | Root Zone Soil | |
| | | | | | Aboveground Plant Tissue | Root Tissue | | | Aboveground Plant Tissue | Root Tissue | | | Aboveground Plant Tissue | Root Tissue | | |
| | | | T01N-SOL | T01N-TLG | T02N-PLTGAW | T02N-PLTGBW | T02N-SOL | | T03N-PLTFAW | T03N-PLTFBW | T03N-SOL | | T04N-PLTSAW | T04N-PLTSBW | T04N-SOL | |
| | | | Mo (mg/kg) | Mo (mg/kg) | Mo (mg/kg) | Mo (mg/kg) | Mo (mg/kg) | Bio-Accessibility (%) | Mo (mg/kg) | Mo (mg/kg) | Mo (mg/kg) | Bio-Accessibility (%) | Mo (mg/kg) | Mo (mg/kg) | Mo (mg/kg) | Bio-Accessibility (%) |
| 1-foot Plot | 1 | CVR1TR1-1 | 41.3 J | 249 | 101 | 55.8 | 63.3 | 6.75 J | - | - | - | - | - | - | - | - |
| | | CVR1TR1-2 | 126 | 252 | 77.3 | 54.3 | 43.7 | - | - | - | - | - | - | - | - | - |
| | | CVR1TR1-3 | 17.2 | 265 | 90.0 | 46.2 | 40.8 | - | - | - | - | - | - | - | - | - |
| | 2 | CVR1TR2-1 | 62.5 | 227 | 53.4 | 24.2 | 22.0 | - | - | - | - | - | - | - | - | - |
| | | CVR1TR2-2 | 11.3 | 174 | 33.1 | 28.1 | 42.6 | - | - | - | - | - | - | - | - | - |
| | | CVR1TR2-3 | 34.0 | 239 | 48.6 | 41.9 | 70.9 | 5.89 J | - | - | - | - | - | - | - | - |
| | 3 | CVR1TR3-1 | 5.00 | 143 | 48.3 | 30.0 | 25.5 | - | 70.4 | 116 | 7.00 | < 0.03 * | - | - | - | - |
| | | CVR1TR3-2 | 17.4 | 180 | 62.6 | 43.8 | 27.5 | - | 77.9 | 28.9 | 24.7 | - | - | - | - | - |
| | | CVR1TR3-3 | 13.1 | 123 | 27.4 | 19.8 | 22.6 | - | 43.8 | 74.6 | 37.2 | - | - | - | - | - |
| 2-foot Plot | 1 | CVR2TR1-1 | 19.9 | 204 | - | - | - | - | 48.4 | 67.7 | 64.7 J | 2.89 J | 18.0 | 108 | 182 | - |
| | | CVR2TR1-2 | 26.2 | 200 | 49.0 | 56.3 | 82.5 | - | 89.8 | 113 | 46.1 | - | - | - | - | - |
| | | CVR2TR1-3 | 131 | 208 | - | - | - | - | 82.8 | 146 | 143 | - | - | - | - | - |
| | 2 | CVR2TR2-1 | 20.0 | 371 | 126 | 74.0 | 95.4 | 7.30 J | - | - | - | - | - | - | - | - |
| | | CVR2TR2-2 | 6.30 | 432 | 108 | 87.6 | 30.3 | - | 60.0 | 76.7 | 28.9 | - | - | - | - | - |
| | | CVR2TR2-3 | 17.7 | 271 | 100 | 62.4 | 81.9 | 4.14 J | - | - | - | - | - | - | - | - |
| | 3 | CVR2TR3-1 | 37.7 | 125 | 32.2 | 25.3 | 58.8 | - | - | - | - | - | - | - | - | - |
| | | CVR2TR3-2 | 22.9 | 150 | 40.7 | 59.7 | 67.2 | - | - | - | - | - | 48.3 | 9.50 | 130 | 3.76 J |
| | | CVR2TR3-3 | 40.5 | 150 | 50.4 | 29.1 | 32.0 | - | - | - | - | - | - | - | - | - |
| 3-foot Plot | 1 | CVR3TR1-1 | 12.9 | 87.6 | 51.2 | 25.5 | 23.7 | - | - | - | - | - | 14.0 | 51.4 | 42.2 | 2.37 J |
| | | CVR3TR1-2 | 8.00 | 55.7 | 43.2 | 19.1 | 20.5 | - | 51.7 | 197 | 21.3 | - | 23.9 | 37.9 | 15.6 | - |
| | | CVR3TR1-3 | 7.10 | 92.5 | 60.6 | 51.9 | 39.0 | - | 88.2 | 276 | 22.5 | - | 26.6 | 78.3 | 27.6 | - |
| | 2 | CVR3TR2-1 | 12.3 | 46.6 | - | - | - | - | 130 | 191 | 7.40 | - | 27.1 | 72.5 | 15.6 | - |
| | | CVR3TR2-2 | 29.7 | 44.9 | 65.0 | 37.9 | 23.4 | - | 64.2 | 181 | 13.9 | - | - | - | - | - |
| | | CVR3TR2-3 | 25.0 | 93.3 | 60.7 | 68.7 | 17.6 | < 0.04 * | 92.3 | 276 | 9.70 | - | 36.4 | 49.7 | 11.9 | - |
| | 3 | CVR3TR3-1 | 6.20 | 77.2 J | 110 | 57.7 | 24.8 | - | - | - | - | - | 24.6 | 30.4 | 16.8 | - |
| | | CVR3TR3-2 | 3.70 | 63.3 | 193 | 53.7 | 22.1 | - | - | - | - | - | 32.5 | 158 | 34.5 | - |
| | | CVR3TR3-3 | 26.0 | 97.2 | 121 | 74.3 | 68.2 | - | 194 | 435 | 12.9 | - | 60.5 | 127 | 53.6 | - |

Notes:

* In vitro bio-accessibility (IVBA) is calculated by dividing the extractable Mo concentration in mg/L by the total Mo concentration in soil in mg/kg. The extractable Mo concentration was determined to be below the RL. The RL was used to calculate the % IVBA, which provides a conservative value.

- = denotes no sample was collected (plant type not available) or submitted to laboratory for analysis (soil for bio-accessibility analysis).

< = indicates that the analytical result is less than the provided value.

% = percent

J = analytical result is estimated.

mg/kg = milligram per kilogram

mg/L = milligram per liter

Mo = molybdenum

RL = reporting limit

Analytical results are from TestAmerica Burlington (soil, tailing, vegetation) and the University of Colorado (bio-accessibility).

Table 6
BORROW AREA SOIL ANALYTICAL RESULTS
CMI Questa Mine
Soil and Vegetation Sampling Event
April/May 2010

| Analyte ¹ | Reporting Units | Reporting Limit | Sample Identification | | | | | |
|-------------------------------|-----------------|-----------------|-----------------------|------------------|------------------|------------------|------------------|------------------|
| | | | BA1 -T01N-SOL | BA2 -T01N-SOL | BA3 -T01N-SOL | BA4 -T01N-SOL | BA5 -T01N-SOL | BA6 -T01N-SOL |
| Aluminum | mg/kg | 0.1 | 0.4 | 0.3 | 0.4 | 0.5 | - | - |
| Calcium, sat. paste | meq/L | 0.05 | 1.66 | 28.3 | 21 | 9.48 | - | - |
| Conductivity, sat. paste | mmhos/cm | 0.01 | 0.85 | 3.65 | 2.56 | 1.43 | - | - |
| Copper | mg/kg | 0.1 | 0.3 | 0.1 | 0.2 | 0.1 | - | - |
| Iron | mg/kg | 1 | 3 | 4 | 3 | 3 | - | - |
| Magnesium, sat. paste | meq/L | 0.08 | 1.14 | 9 | 7.74 | 3.13 | - | - |
| Manganese | mg/kg | 0.1 | 0.9 | 0.7 | 0.9 | 0.5 | - | - |
| Molybdenum | mg/kg | 1 | 1 | 1 | 1 | 1 | - | - |
| Molybdenum ² | mg/kg | 0.034-0.045 | 1.4 | 2 | 1.1 | 1 | 3.2 | 1.9 |
| Nitrate as N, KCL Extract | mg/kg | 1 | 1 | 2 | 1 | 2 | - | - |
| pH, sat. paste | s.u. | 0.1 | 8.2 | 7.8 | 7.8 | 7.8 | - | - |
| Phosphorus, Olsen | mg/kg | 1 | 9 | 7 | 7 | 6 | - | - |
| Potassium | mg/kg | 10 | 110 | 130 | 110 | 100 | - | - |
| Sodium Adsorption Ratio (SAR) | unitless | 0.01 | 5.65 | 3.95 | 2.09 | 2.27 | - | - |
| Sodium, sat. paste | meq/L | 0.04 | 6.68 | 17.1 | 7.9 | 5.71 | - | - |
| Sand | % | 1 | 65 | 72 | 84 | 83 | - | - |
| Silt | % | 1 | 15 | 12 | 6 | 9 | - | - |
| Clay | % | 1 | 20 | 16 | 10 | 8 | - | - |
| Texture | N/A | N/A | SCL | SL | LS | LS | N/A | N/A |

Notes:

Laboratory analysis for the above parameters was performed on the sand and fines fraction (less than 2 mm) of the original sample.

- = sample was not analyzed for this parameter

% = percent

KCL = potassium chloride

LS = loamy sand

meq/L = milli equivalent per liter

mg/kg = milligram per kilogram

mm = millimeter

mmhos/cm = milli mhos per centimeter

N/A = not applicable

s.u. = standard unit

SCL = sandy clay loam

SL = sandy loam

¹ Analyses performed by Energy Laboratories, Helena, Montana.

² Analysis performed by TestAmerica, Burlington, Vermont.

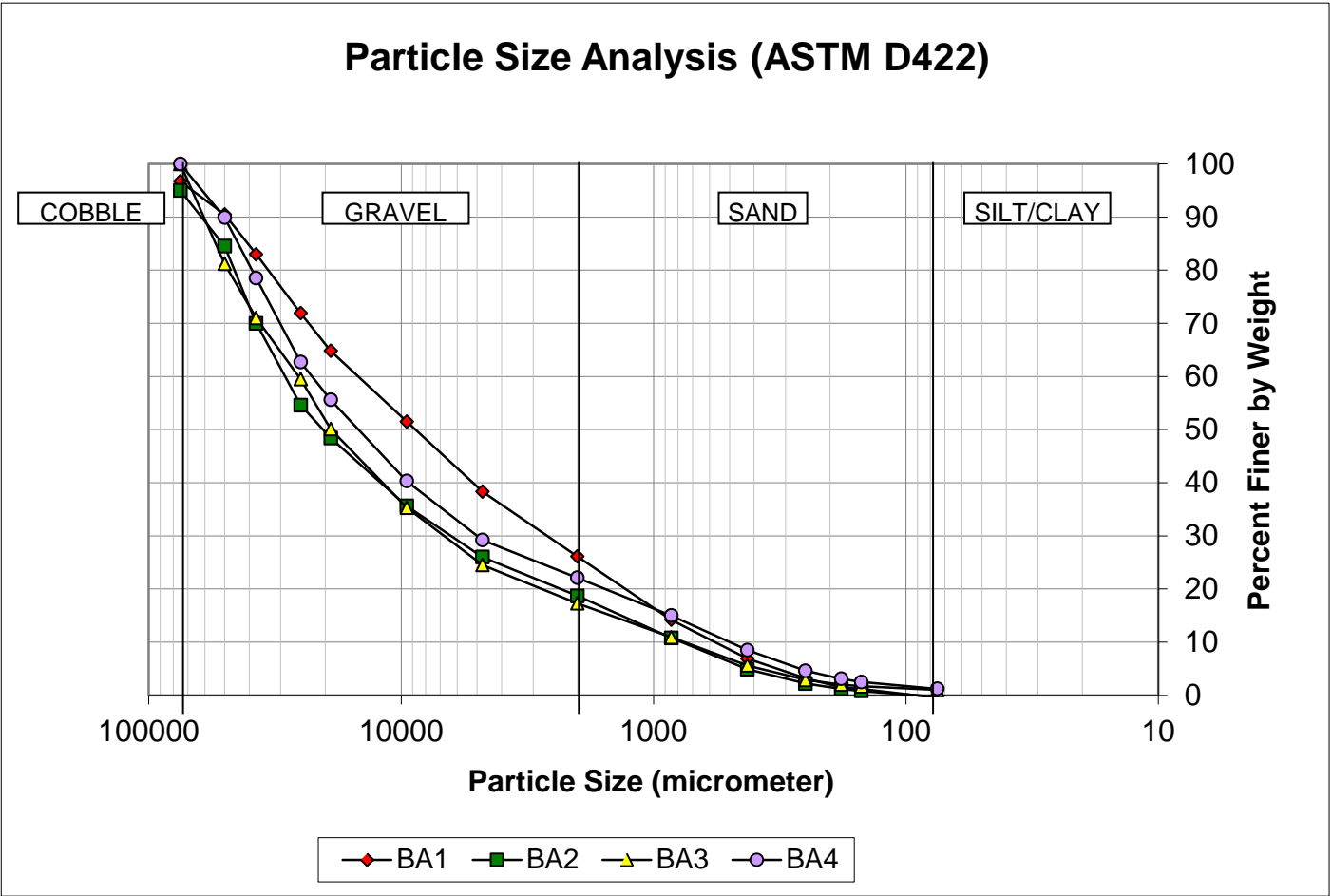
Table 7
BORROW AREA SOIL PARTICLE SIZE ANALYSIS
CMI Questa Mine
Soil and Vegetation Sampling Event
April/May 2010

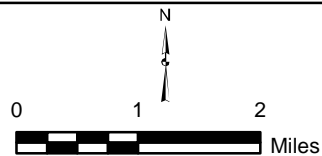
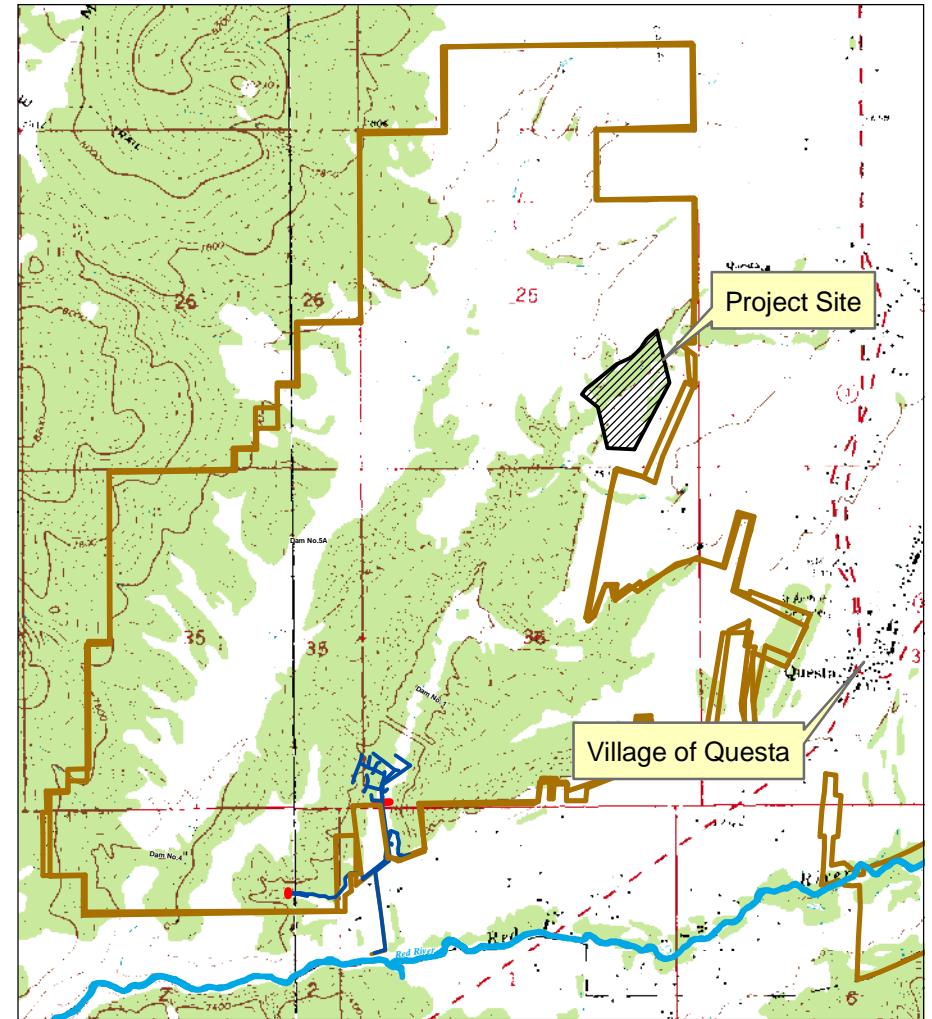
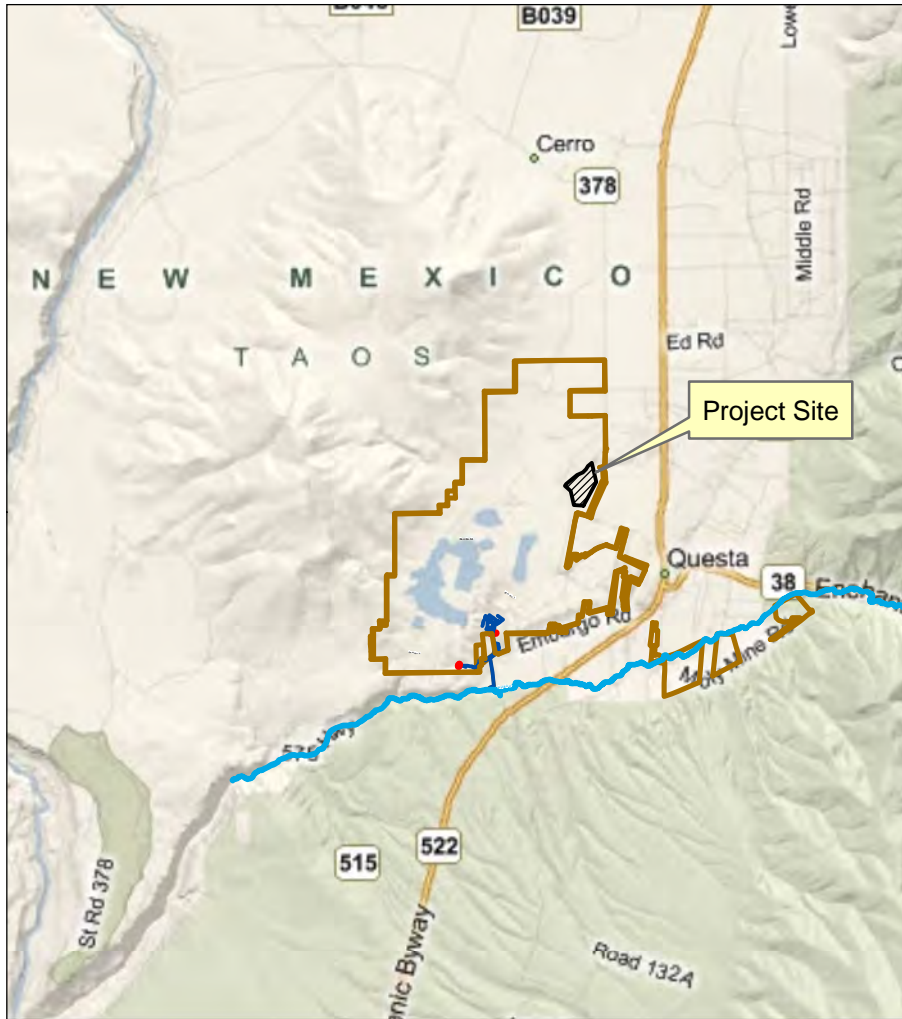
| Sieve Size / Mesh No. | Mesh Size (micrometer) | Borrow Area Material Particle Size Analysis Results | | | | | | | |
|--------------------------|---------------------------|--|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|
| | | BA1-T01N-SOL | | BA2-T01N-SOL | | BA3-T01N-SOL | | BA4-T01N-SOL | |
| | | % Material Passing | % Material Retained | % Material Passing | % Material Retained | % Material Passing | % Material Retained | % Material Passing | % Material Retained |
| 3 inch Sieve | 75,000 | 96.7 | 3.30 | 95.0 | 5.00 | 100 | 0.00 | 100 | 0.00 |
| 2 inch Sieve | 50,000 | 90.5 | 6.20 | 84.5 | 10.5 | 81.2 | 18.8 | 89.9 | 10.1 |
| 1.5 inch Sieve | 37,500 | 83.0 | 7.50 | 70.0 | 14.6 | 71.0 | 10.2 | 78.5 | 11.4 |
| 1 inch Sieve | 25,000 | 71.9 | 11.1 | 54.6 | 15.4 | 59.5 | 11.5 | 62.7 | 15.7 |
| 3/4 inch Sieve | 19,000 | 64.8 | 7.10 | 48.4 | 6.20 | 50.1 | 9.50 | 55.6 | 7.20 |
| 3/8 inch Sieve | 9,500 | 51.5 | 13.4 | 35.6 | 12.8 | 35.3 | 14.7 | 40.3 | 15.3 |
| #4 Sieve | 4,750 | 38.3 | 13.2 | 26.0 | 9.60 | 24.5 | 10.8 | 29.2 | 11.1 |
| #10 Sieve | 2,000 | 26.1 | 12.2 | 18.7 | 7.30 | 17.3 | 7.20 | 22.1 | 7.10 |
| #20 Sieve | 850 | 14.2 | 12.0 | 10.8 | 7.90 | 10.9 | 6.40 | 15.0 | 7.10 |
| #40 Sieve | 425 | 6.90 | 7.30 | 4.90 | 5.90 | 5.60 | 5.30 | 8.50 | 6.60 |
| #60 Sieve | 250 | 3.20 | 3.60 | 2.20 | 2.70 | 2.90 | 2.70 | 4.60 | 3.90 |
| #80 Sieve | 180 | 1.50 | 1.70 | 1.20 | 1.00 | 2.00 | 0.90 | 3.10 | 1.50 |
| #100 Sieve | 150 | 1.20 | 0.30 | 0.80 | 0.40 | 1.70 | 0.30 | 2.50 | 0.50 |
| #200 Sieve | 75 | -0.50 | 1.70 | -0.30 | 1.10 | 1.00 | 0.70 | 1.20 | 1.40 |

Notes:

TestAmerica Burlington conducted particle size analysis in accordance with ASTM Method D422 on a 5-gallon bucket of borrow area material for each of the four samples (BA1, BA2, BA3, BA4).

Borrow area material sample locations are shown on Figure 4 of this report.





| REVISION | DATE |
|----------|------|
| | |
| | |
| | |

URS

URS Center
8181 East Tufts Avenue
Denver, CO 80237-2637
(303) 694-2770

| | |
|-------------|-------------------|
| APPLICATION | ArcGIS 9.3 |
| FILE NAME | figA1_SiteMap.mxd |
| DRAWN BY | GIS - Denver |
| DATE | 07/09/2010 |

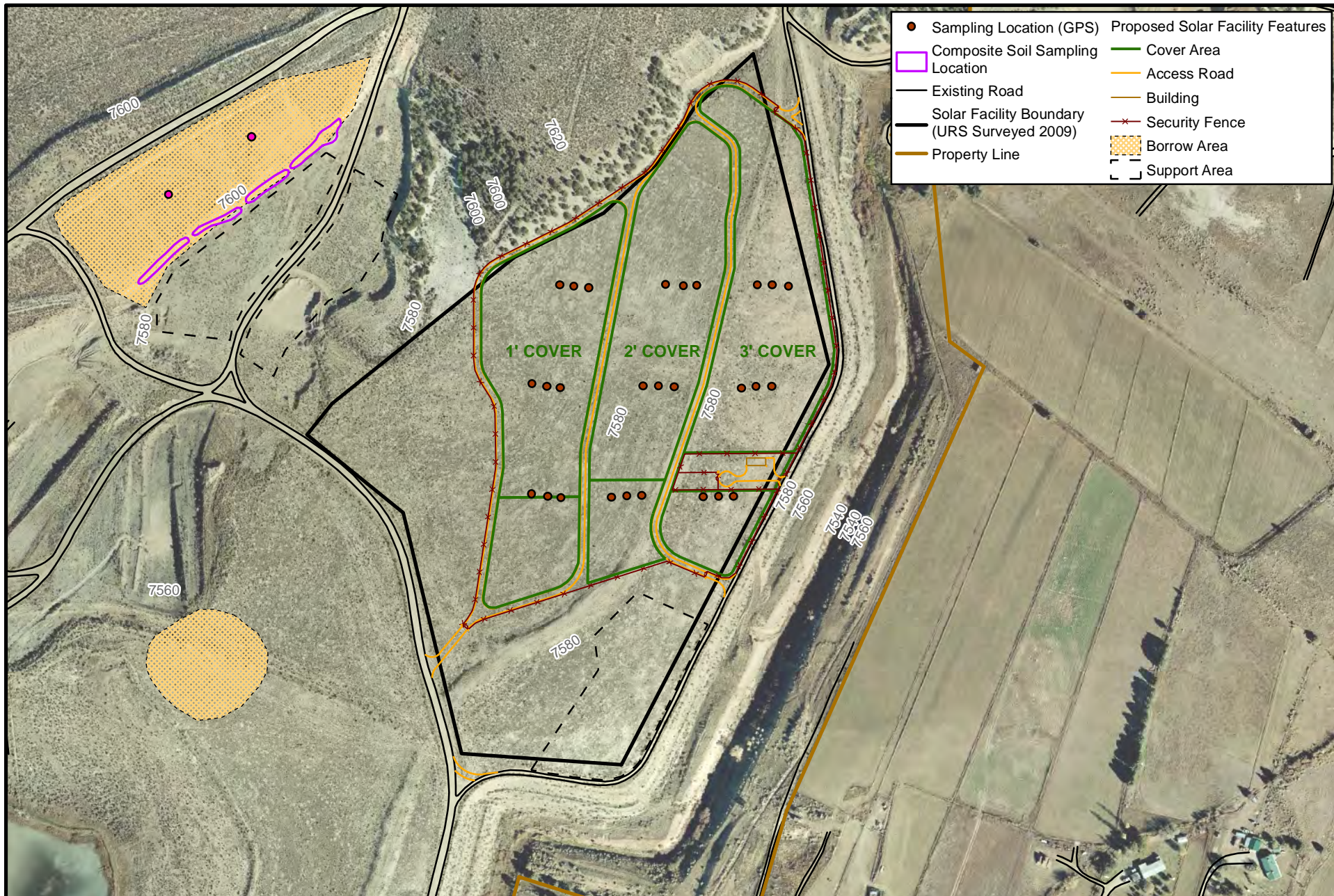
CHEVRON MINING INC. - QUESTA MINE

PROJECT 22241609

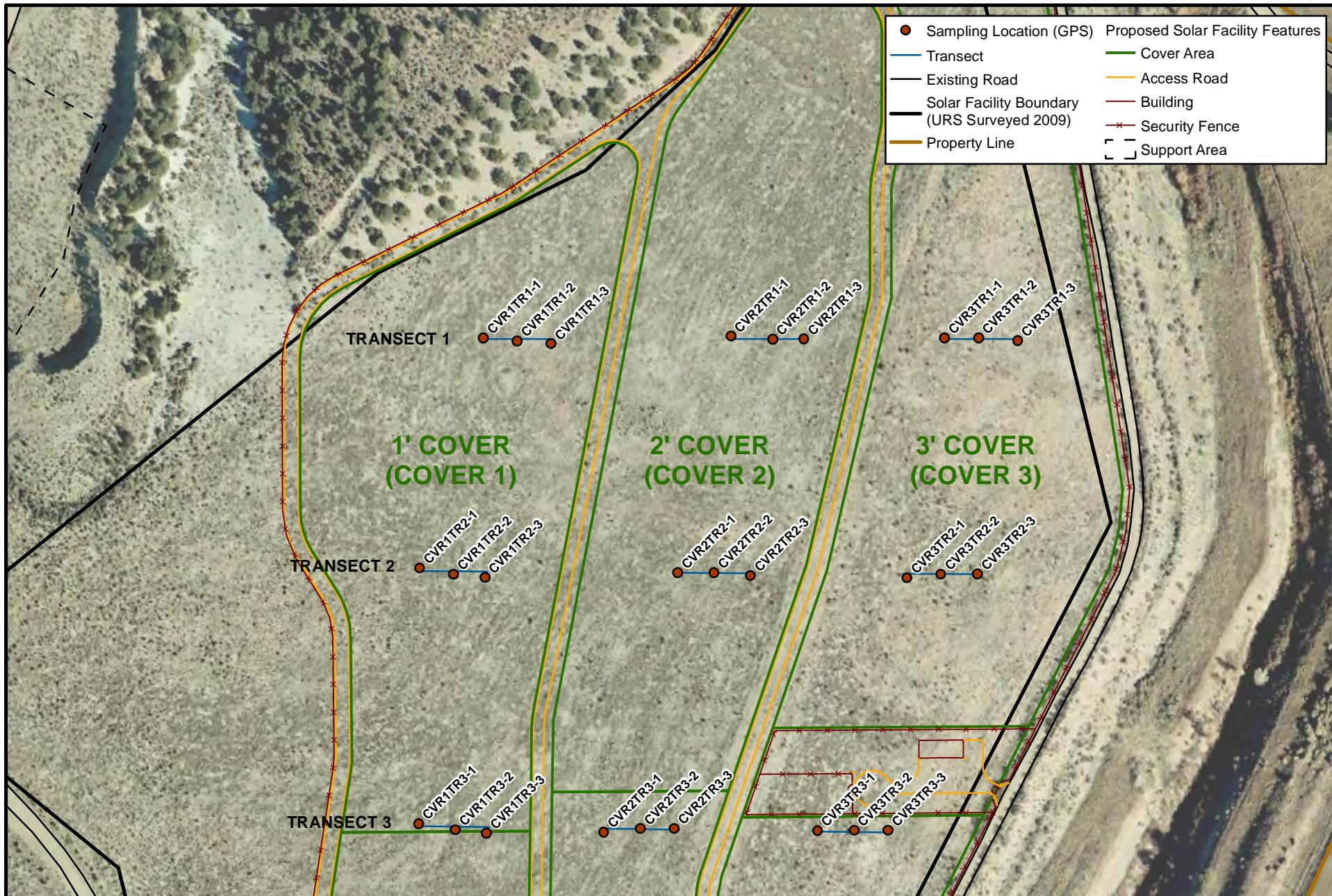
SITE MAP

Figure 1

Soil & Vegetation Sampling
Cover Depth Project



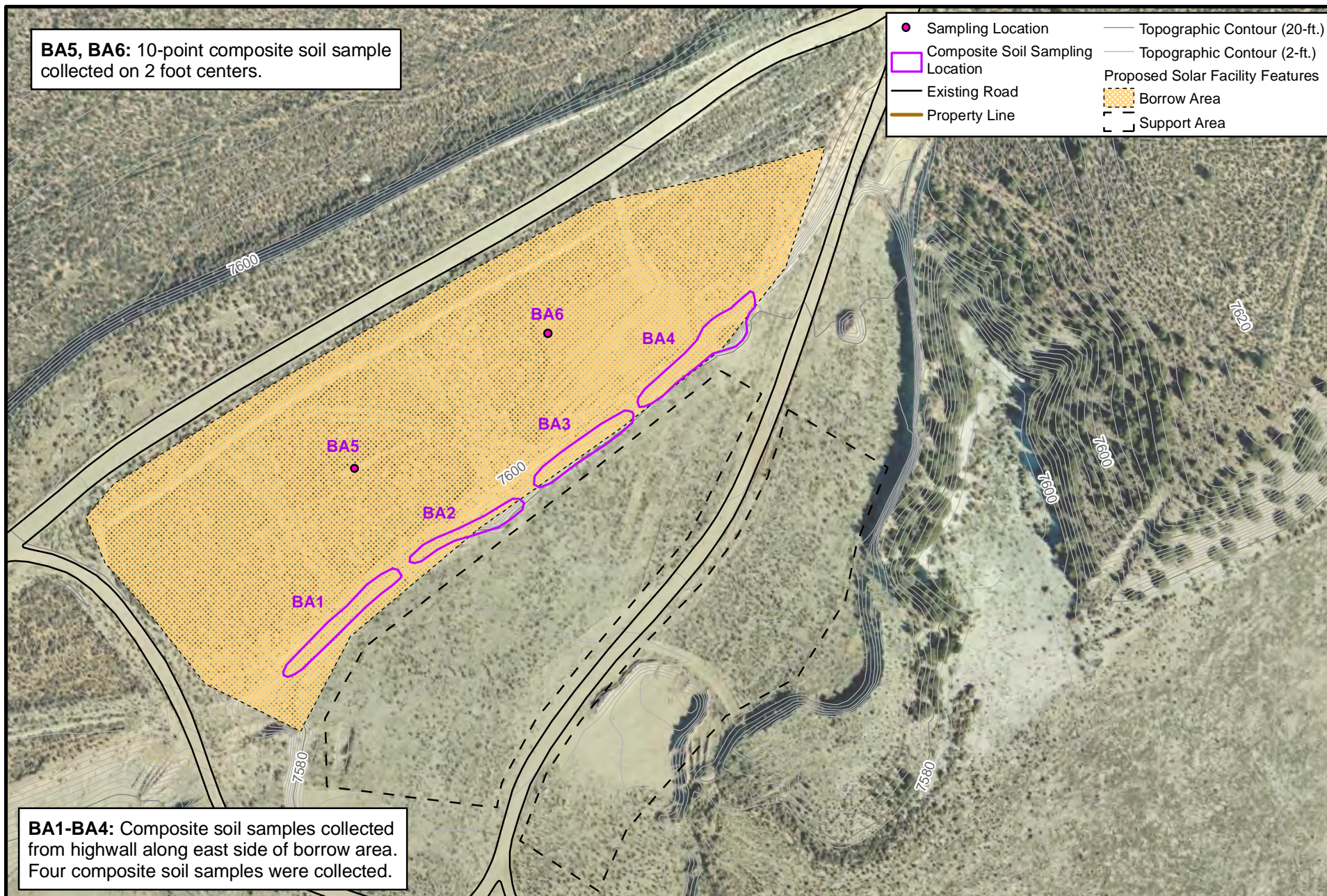
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|
|--|

BA5, BA6: 10-point composite soil sample collected on 2 foot centers.

- Sampling Location
- Composite Soil Sampling Location
- Existing Road
- Property Line
- Topographic Contour (20-ft.)
- Topographic Contour (2-ft.)
- Proposed Solar Facility Features
- ▨ Borrow Area
- Support Area



BA1-BA4: Composite soil samples collected from highwall along east side of borrow area. Four composite soil samples were collected.

| | | | | | | |
|--|----------|------|--|----------------------------------|---|--|
| <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> N ↑ 0 150 Feet </div> <div> NOTES: 1. Tailing Facility topography (2007) and cover site plan (2010) provided by Chevron Mining Inc. - Quest Mine. </div> </div> | REVISION | DATE | <div style="text-align: center;"> URS <small>URS Center 8181 East Tufts Avenue Denver, CO 80237-2637 (303) 694-2770</small> </div> | APPLICATION ArcGIS 9.3 | CHEVRON MINING INC. - QUESTA MINE | PROJECT 22241609 |
| | | | | FILE NAME fig4_BorrowLocs.mxd | BORROW AREA SAMPLE LOCATIONS | Figure 4 <i>Soil & Vegetation Sampling Cover Depth Project</i> |
| | | | | DRAWN BY GIS - Denver | | |
| | | | | DATE 07/09/2010 | | |

Appendix A

Select Annotated Field Photographs



Photo 1: Looking northeast – project area with interim cover

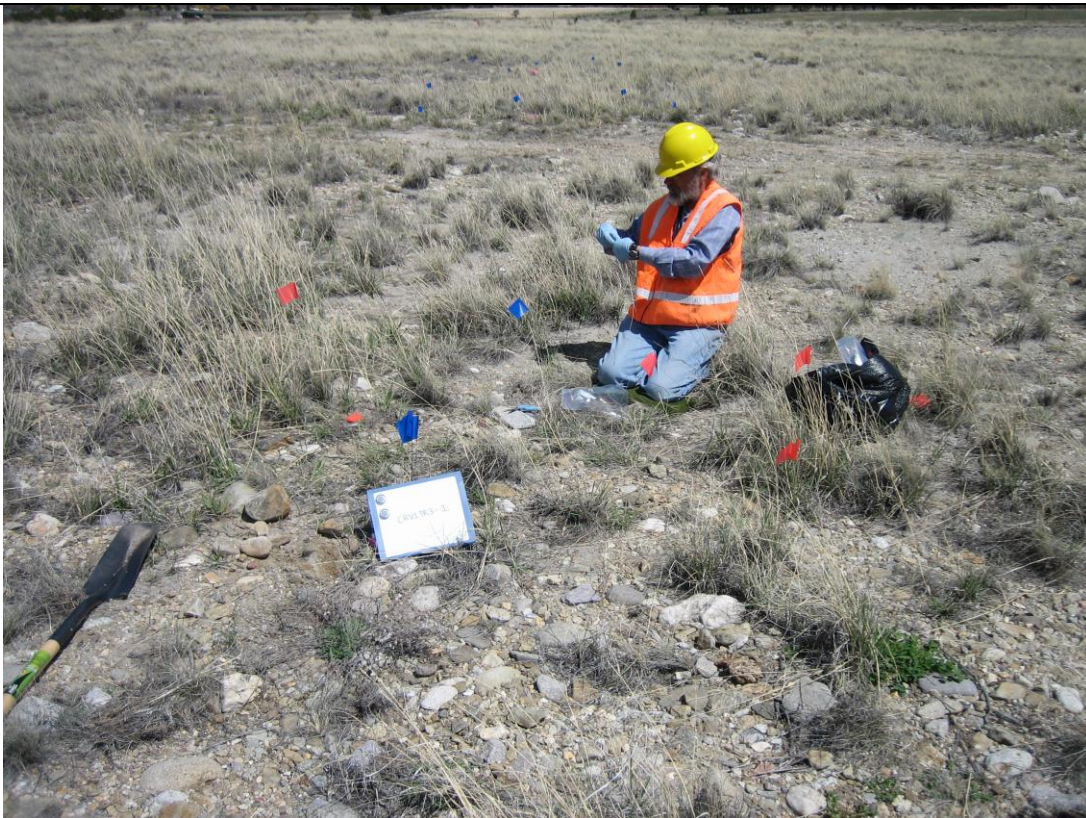


Photo 2: Looking southeast – sample location along transect



Photo 3: Soil/tailing sampling location – cover (brown soils) and tailing (gray material)



Photo 4: Looking north – soil sampling procedure



Photo 5: Aboveground vegetation sampling technique



Photo 6: Looking south-southeast – belowground vegetation (root) sampling technique



Photo 7: Looking south – equipment decontamination procedure



Photo 8: Looking north-northwest– borrow area sampling location



Photo 9: Looking north-northwest – borrow area sampling location

INTERIM COVER SOIL

CMI Questa Mine Sampling QAPP
Appendix B
Revision No. 0.0
April 14, 2010
Page 1 of 7

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|----------------|
| Sample Identification: CVR1TR1-1-T01N-SOL | | Date: 04/30/10 |
| Samplers' Signature: | | Time: 1505 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60777°W 36.71711°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3 in. (top cover 4 in. thick) | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description: ^{few} some gravel (~30%); clay-silt | | |
| USCS Abbreviation SM | | |
| Color: reddish brown | | |
| Staining: no | | |
| Odor: no | | |
| Moisture: damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 2 | NA |
| | | |
| | | |
| | | |
| | | |

| |
|--|
| QA/QC Samples Collected: |
| Comments: field duplicate (CVR1TR1-1-T01D-SOL) |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|--|-------------|--------------------------|
| Sample Identification: | CVR1TR1-2-T01N-SOL | Date: | 04/30/10 |
| Samplers' Signature: | <i>Lj Best</i> | Time: | 1525 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: | <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: | <input type="checkbox"/> |
| Sample Location Coordinates: | 105.60764°W 36.7171°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | 0-3 in. (top cover 5 in. thick) | | |
| Weather Conditions: | cloudy, ~35°F | | |
| Sample Description: | | | |
| Field Soil Description | few gravel (~5%), clay-silt | | |
| USCS Abbreviation | sm | | |
| Color | reddish brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

| |
|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR1TR1-3-T01N-SOL | | Date: 04/30/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 1550 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.607510W 36.717090N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3in. (top cover 4in. thick) | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description few gravel (~5%), clay-silt | | |
| USCS Abbreviation SM | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

| |
|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|---|-------------|----------|
| Sample Identification: | CVR1TR2-1-T01N-SOL | Date: | 04/29/10 |
| Samplers' Signature: | Ly Best | Time: | 11:05 |
| Type of Sample: | Surface: X | Subsurface: | — |
| | Composite: X | Grab: | — |
| Sample Location Coordinates: | 105.60802°W 36.7164°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | 0-3in. (some tailing on top) (top cover 10 in. thick) | | |
| Weather Conditions: | windy, cloudy, ~40°F | | |
| Sample Description: | | | |
| Field Soil Description | some gravel (~30%), clay-silt | | |
| USCS Abbreviation | SM | | |
| Color | brown (a bit of gray due to tailing) | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 2 | NA |
| | | |
| | | |
| | | |
| | | |

| | |
|--------------------------|-----------------------|
| QA/QC Samples Collected: | FD CVR1TR2-1-T01D-SOL |
| Comments: | |
| | |
| | |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR1TR2-2-T01N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 1330 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60789°W 36.71638°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3 in (top cover 6 in thick) | | |
| Weather Conditions: windy, ~50°F | | |
| Sample Description: | | |
| Field Soil Description: some gravel (~30%), clay-silt | | |
| USCS Abbreviation: SM | | |
| Color: reddish brown | | |
| Staining: no | | |
| Odor: no | | |
| Moisture: damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

| |
|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|--|-------------|--------------------------|
| Sample Identification: | CVR1TR2-3-T01N-SOL | Date: | 04/29/10 |
| Samplers' Signature: | <i>Lj Best</i> | Time: | 1405 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: | <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: | <input type="checkbox"/> |
| Sample Location Coordinates: | 105.60777°W 36.71637°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | 0-3 in. (top cover 6 in thick) | | |
| Weather Conditions: | windy, -50°F | | |
| Sample Description: | | | |
| Field Soil Description | some gravel (~30%), clay-silt | | |
| USCS Abbreviation | SM | | |
| Color | reddish brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

| |
|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--|
| Sample Identification: CVR1TR3-1-T01N-SOL | | Date: 4/27/10 |
| Samplers' Signature: <i>ky Best</i> | | Time: 14:45 ^{EB} 15:00 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: N 36.71561° W 105.60803° | | |
| Type of Surface Cover: slightly vegetated (light grass) (top cover 4 inch thick) | | |
| Depth Interval: 0-3 in | | |
| Weather Conditions: windy, ~60°F | | |
| Sample Description: | | |
| Field Soil Description sm. gravel, sandy-silt | | |
| USCS Abbreviation SM | | |
| Color dark red-brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
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|--|
| QA/QC Samples Collected: <i>Field Duplicate CVR1TR3-1-T02D-SOL</i> EB 04/27/10 |
| Comments: |
| Top Soil - 6 in. down |
| Tailing - after 6 in |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR1TR3-2-T01N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 11:10 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60789°W 36.71559°N | | |
| Type of Surface Cover: slightly vegetated (top cover 7.5 in thick) | | |
| Depth Interval: 0-3 in. | | |
| Weather Conditions: windy, ~60°F | | |
| Sample Description: | | |
| Field Soil Description sm. gravel, sandy-silt | | |
| USCS Abbreviation SM | | |
| Color dark brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR1TR3-3-T01N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>ky Best</i> | | Time: 11:35 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60777°W 36.71558°N | | |
| Type of Surface Cover: vegetated (top cover 4.5 in thick) | | |
| Depth Interval: 0-3 in. | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description sm. gravel, silty-sand | | |
| USCS Abbreviation sm | | |
| Color gray brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR2TR1-1-T01N-SOL | | Date: 04/30/10 |
| Samplers' Signature: <i>Lg Best</i> | | Time: 1405 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60682°W 36.71711°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3 in (top cover 4 in. thick) | | |
| Weather Conditions: cold, cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description few gravel (~5%), clay-silt | | |
| USCS Abbreviation SM | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|----------------|
| Sample Identification: CVR2TR1-2-T01N-SOL | | Date: 04/30/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 1420 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60666°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3in. (top cover 8in. thick) | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description some cobbel (~30%); clay-silt | | |
| USCS Abbreviation sm | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|----------------|
| Sample Identification: CVR2TR1-3-T01N-SOL | | Date: 04/30/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1440 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60654°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3 in. (top cover 3" thick) | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description sandy-silt | | |
| USCS Abbreviation SM | | |
| Color reddish light brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR2TR2-1-T01N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 0930 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60703°W 36.71638°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3 in. (top cover 4 in thick) | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description some cobbel (~30%), clay-silt | | |
| USCS Abbreviation SM | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|----------------|
| Sample Identification: CVR2TR2-2-T01N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 0955 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.606890W 36.71638°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3in. (top cover 7in. thick) | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description some gravel-cobbles (~30%), clay-silt | | |
| USCS Abbreviation SM | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|---|--------------------|-------------|----------|
| Sample Identification: | CVR2TR2-3-T01N-SOL | Date: | 04/29/10 |
| Samplers' Signature: | Lj Best | Time: | 1025 |
| Type of Sample: | Surface: X | Subsurface: | — |
| | Composite: X | Grab: | — |
| Sample Location Coordinates: 105.606750°W 36.71637°N | | | |
| Type of Surface Cover: slightly vegetated | | | |
| Depth Interval: 0-3 in. (top cover 6in thick) | | | |
| Weather Conditions: windy, cloudy, ~40°F | | | |
| Sample Description: | | | |
| Field Soil Description some gravel + cobbel (~30%); clay-silt | | | |
| USCS Abbreviation SM | | | |
| Color reddish brown | | | |
| Staining no | | | |
| Odor no | | | |
| Moisture damp | | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 40z jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR2TR3-1-T01N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>Liz Best</i> | | Time: 14:05 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60732° W 36.71558° N | | |
| Type of Surface Cover: slightly vegetated (top cover 3.5 in thick) | | |
| Depth Interval: 0 - 3 in. | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description sm. gravel , silt - sand | | |
| USCS Abbreviation <i>SAT</i> <i>tailing</i> MTS 5/6/10 | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR2TR3-2-T01N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>by Best</i> | | Time: 14:45 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60718°W 36.71559°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3 in. (9 inches of soil total) | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description: some gravel (~30%), sandy-silt | | |
| USCS Abbreviation: SM | | |
| Color: brown | | |
| Staining: no | | |
| Odor: no | | |
| Moisture: damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

QA/QC Samples Collected:

Comments:

SOP NUMBER 1.0**Near Surface Soil Sampling****Attachment A****FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES**

| | | |
|---|--------------|----------------|
| Sample Identification: CVR2TR3-3-T01N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1515 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.607050W 36.715590N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3in. (cover 4in. thick) | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%), sandy-silt | | |
| USCS Abbreviation sm | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR3TR1-1-T01N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1445 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.606°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3 in. (top cover 5 in. thick) | | |
| Weather Conditions: windy, ~50°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%), clay-silt | | |
| USCS Abbreviation SM | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR3TR1-2-T01N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Liz Best</i> | | Time: 1515 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60587°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3 in. (top cover 4 in thick) | | |
| Weather Conditions: windy, ~50°F | | |
| Sample Description: | | |
| Field Soil Description: <i>sandy clay-silt</i> , few gravel (~5%) | | |
| USCS Abbreviation: <i>sm</i> | | |
| Color: <i>brown</i> | | |
| Staining: <i>no</i> | | |
| Odor: <i>no</i> | | |
| Moisture: <i>damp</i> | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR3TR1-3-T01N-SOL | | Date: 04/29/10 |
| Samplers' Signature: Liz Best | | Time: 1600 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60572°W 36.71709°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3 in. (top cover 9 in. thick) | | |
| Weather Conditions: windy, ~50°F | | |
| Sample Description: | | |
| Field Soil Description: few gravel (~5%); clay-silt | | |
| USCS Abbreviation: SM | | |
| Color: reddish brown | | |
| Staining: no | | |
| Odor: no | | |
| Moisture: damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR3TR2-1-T01N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 0800 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60615°W 36.71636°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3in. (top cover 6in) | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description: clay-silt fine roots some gravel (~30%), sandy-silt EB | | |
| USCS Abbreviation SM | | |
| Color light reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR3TR2-2-T01N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 0830 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60602°W 36.71637°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3 in (top cover 8 in. thick) | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description silt-clay | | |
| USCS Abbreviation SM | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|--|-------------|----------|
| Sample Identification: | CVR3TR2-3-T01N-SOL | Date: | 04/29/10 |
| Samplers' Signature: | Ly Best | Time: | 0900 |
| Type of Sample: | Surface: X | Subsurface: | — |
| | Composite: X | Grab: | — |
| Sample Location Coordinates: | 105.60588°W 36.71637°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | 0-3 in (top cover 10 in thick) - mixed w/ tailings | | |
| Weather Conditions: | windy, ~40°F | | |
| Sample Description: | | | |
| Field Soil Description | silt-clay | | |
| USCS Abbreviation | sm | | |
| Color | reddish brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR3TR3-1-T01N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>dy Best</i> | | Time: 16:30 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.6065°W 36.71558°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3in. (cover 10in. thick) | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%), sandy-silt | | |
| USCS Abbreviation SM | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR3TR3-2-T01N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>hy Best</i> | | Time: 1705 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60636°W 36.71558°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3in. (cover 12" thick) | | |
| Weather Conditions: windy, ~60°F | | |
| Sample Description: | | |
| Field Soil Description: coarse gravel some gravel (~630), sandy-silt | | |
| USCS Abbreviation sm | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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| QA/QC Samples Collected: |
| Comments: |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR3TR3-3-T01N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 0730 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60623°W 36.71558°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3in. (top cover 3in.) | | |
| Weather Conditions: windy, cloudy, ~60°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%) ^{EB} 04/29/10, sandy-silt, some gravel MTS 5/6/10 | | |
| USCS Abbreviation SM | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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TAILING

CMI Questa Mine Sampling QAPP
Appendix B
Revision No. 0.0
April 14, 2010
Page 2 of 7

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|--|-------------|--------------------------|
| Sample Identification: | CVR1TR1-1-T01N-TLG | Date: | 04/30/10 |
| Samplers' Signature: | ly Best | Time: | 1500 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: | <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: | <input type="checkbox"/> |
| Sample Location Coordinates: | 105.60777°W 36.71711°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | interface to 3in. past interface | | |
| Weather Conditions: | cloudy, ~35°F | | |
| Sample Description: | MTS 5/6/10 | | |
| Field Soil Description | few gravel (BS), clay-silty SAND | | |
| USCS Abbreviation | SM tailing | | |
| Color | gray dark gray (when moist) | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 2 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: field duplicate |
| CVR1TR1-1-T01D-TLG |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR1TR1-2-T01N-TLG | | Date: 04/30/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1520 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60764°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3in. below interface | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description ^{SAND} clay-silty, few gravel (-5%) MTS 5/6/10 | | |
| USCS Abbreviation <i>SM tailing</i> | | |
| Color gray dark gray (when moist) | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 40z jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|---|-------------|----------|
| Sample Identification: | CVR1TR1-3-T01N-TLG | Date: | 04/30/10 |
| Samplers' Signature: | dy Best | Time: | 1545 |
| Type of Sample: | Surface: X | Subsurface: | — |
| | Composite: X | Grab: | — |
| Sample Location Coordinates: | 105.60751°W 36.71709°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | interface to 3in. past interface | | |
| Weather Conditions: | cloudy, ~35°F | | |
| Sample Description: | MTS 5/6/10 | | |
| Field Soil Description | few gravel (~5%) ; clay-silty SAND | | |
| USCS Abbreviation | SA tailing | | |
| Color | gray dark gray (when moist) | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|-----------------------------|
| Sample Identification: CVR1TR2-1-T01N-TLG | | Date: 04/29/10 |
| Samplers' Signature: <i>Ry Best</i> | | Time: 11:00 |
| Type of Sample: | Surface: X | Subsurface: EB — |
| | Composite: X | Grab: EB — |
| Sample Location Coordinates: 105.60802°W 36.71640°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3in. past interface (10-13in) | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: MTS 5/6/10 | | |
| Field Soil Description some gravel (~30%) clay-silty SAND | | |
| USCS Abbreviation SM tailing | | |
| Color gray dark gray (when moist) | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz jar | 2 | NA |
| | | |
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| QA/QC Samples Collected: FD CVR1TR2-1-T01D-TLG |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR1TR2-2-T01N-TLG | | Date: 04/29/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1325 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60789°W 36.71638°N | | |
| Type of Surface Cover: <i>slightly vegetated</i> | | |
| Depth Interval: <i>interface to 3in past (6-9in)</i> | | |
| Weather Conditions: <i>windy, ~50°F</i> | | |
| Sample Description: <i>MTS 5/6/10</i> | | |
| Field Soil Description: <i>some gravel (-30%), clay-silty SAND</i> | | |
| USCS Abbreviation: <i>SM</i> <i>fail</i> | | |
| Color: <i>gray</i> <i>dark gray (when moist)</i> | | |
| Staining: <i>no</i> | | |
| Odor: <i>no</i> | | |
| Moisture: <i>damp</i> | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR1TR2-3-T01N-TLG | | Date: 04/29/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 1400 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60777° W 36.71637° N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3in. past (6-9in) | | |
| Weather Conditions: windy, ~50°F | | |
| Sample Description: MTS 5/6/10 | | |
| Field Soil Description: some gravel (~30%) , clay-silty SAND | | |
| USCS Abbreviation: SM tailing | | |
| Color | gray dark gray (when moist) | |
| Staining | no | |
| Odor | no | |
| Moisture | damp | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|--|-------------|--------------------------|
| Sample Identification: | CVR1TR3-1-T01N-TLG | Date: | 4/27/10 |
| Samplers' Signature: | <i>Lj Best</i> | Time: | 15:00 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: | <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: | <input type="checkbox"/> |
| Sample Location Coordinates: | N 36.71561° W 105.60803° | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | interface to 3in below interface | | |
| Weather Conditions: | windy, ~60°F | | |
| Sample Description: | | | |
| Field Soil Description | Tailing (silty-sand) ✓ | | |
| USCS Abbreviation | tailing | | |
| Color | gray dark gray (w/ moisture) | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
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|--------------------------|---|
| QA/QC Samples Collected: | Field duplicate collected CVR1TR3-1-T01N-TLG |
| Comments: | EB 04/27/10 |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR1TR3-2-T01N-TLG | | Date: 04/28/10 |
| Samplers' Signature: <i>Liz Best</i> | | Time: 11:10 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60789°W 36.71559°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3 in. below interface | | |
| Weather Conditions: windy, ~60°F | | |
| Sample Description: | | |
| Field Soil Description Tailing (silty-sand) | | |
| USCS Abbreviation Tailing | | |
| Color gray dark gray (w/ moisture) | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR1TR3-3-T01N-TLG | | Date: 04/28/10 |
| Samplers' Signature: <i>for Best</i> | | Time: 11:35 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60777°W 36.71558°N | | |
| Type of Surface Cover: slightly vegetative | | |
| Depth Interval: interval to 3in past interval | | |
| Weather Conditions: sunny, windy, ~60°F | | |
| Sample Description: | | |
| Field Soil Description cm. gravel <i>MTS 5/6/10 silty-sand</i> | | |
| USCS Abbreviation SAT <i>taclng</i> | | |
| Color gray dark gray (w/ moisture) | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz jar | 1 | NA |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR2TR1-1-T01N-TLG | | Date: 04/30/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1400 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60682°W 36.71711°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3in. past interface | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description few gravel (~500) , clay-silty SAND MTS 5/6/10 | | |
| USCS Abbreviation SM tailing | | |
| Color | gray dark gray (when moist) | |
| Staining | no | |
| Odor | no | |
| Moisture | damp | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|----------------|
| Sample Identification: CVR2TR1-2-T01N-TLG | | Date: 04/30/10 |
| Samplers' Signature: <i>ky Best</i> | | Time: 1415 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60666°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interval to 3in. past interval (8-11in.) | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description some cobble (~30%) ; clay - silty SAND | | |
| USCS Abbreviation SAT <i>clay</i> | | |
| Color gray dark gray (when moist) | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|-----------------------------|----------------|
| Sample Identification: CVR2TR1-3-T01N-TLG | | Date: 04/30/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 1435 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60654°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3in. past interface | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description sandy - silt | | |
| USCS Abbreviation SAT <i>tauling</i> | | |
| Color | gray dark gray (when moist) | |
| Staining | no | |
| Odor | no | |
| Moisture | damp | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR2TR2-1-T01N-TLG | | Date: 04/29/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 0925 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60703°W 36.71638°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interval to 3in. past interval (4-7in) | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description some cobble (-30%) , clay-silty SAND | | |
| USCS Abbreviation <i>SM</i> <i>failing</i> HTS 5/6/10 | | |
| Color gray dark gray (when moist) | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|----------------|
| Sample Identification: CVR2TR2-2-T01N-TLG | | Date: 04/29/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 0950 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60689°W 36.71638°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3in. past interface (7-10 in) | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description some gravel-cobbles (~30%) , clay-silty SAND | | |
| USCS Abbreviation <i>SP tailing</i> MTS 5/6/10 | | |
| Color gray dark gray (when moist) | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|---|-------------|----------|
| Sample Identification: | CVR2TR2-3-T01N-TLG | Date: | 04/29/10 |
| Samplers' Signature: | Ly Best | Time: | 1020 |
| Type of Sample: | Surface: X | Subsurface: | — |
| | Composite: X | Grab: | — |
| Sample Location Coordinates: | 105.60675°W 36.71637°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | interface to 3in. past interface (6in-9in) | | |
| Weather Conditions: | windy, cloudy, ~40°F | | |
| Sample Description: | | | |
| Field Soil Description | some gravel and cobble (~30%) , silt-clayey SAND | | |
| USCS Abbreviation | SM clayey tailing MTS 5/6/10 | | |
| Color | gray dark gray (when moist) | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR2TR3-1-T01N-TLG | | Date: 04/28/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 14:00 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60732°W 36.71558°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3in. past interface | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description sm. gravel, silty-sand | | |
| USCS Abbreviation SM | | |
| Color | gray dark gray (when moist) | |
| Staining | no | |
| Odor | no | |
| Moisture | damp | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR2TR3-2-T01N-TLG | | Date: 04/28/10 |
| Samplers' Signature: <i>ky Best</i> | | Time: 14:40 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.607180W 36.715590N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 8 interface to 3in. past interface (9in-12in) | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%) , sandy-silt <i>MTS 5/6/10</i> | | |
| USCS Abbreviation <i>SAT tailing</i> | | |
| Color gray ^{dark} gray (when wet) | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|----------------|
| Sample Identification: CVR2TR3-3-T01N-TLG | | Date: 04/28/10 |
| Samplers' Signature: <i>dy Best</i> | | Time: 1510 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60705°W 36.71559°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3in. past interface (4in. - 7in) | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%), sandy-silt | | |
| USCS Abbreviation <i>SMT tailing</i> | | |
| Color gray dark gray (when moist) | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR3TR1-1-T01N-TLG | | Date: 04/29/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1440 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.606°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3in past (5-8in.) | | |
| Weather Conditions: windy, ~50°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%) ; clay-silty SAND | | |
| USCS Abbreviation SAT <i>tailings</i> MTS 5/6/10 | | |
| Color | gray dark gray (when moist) | |
| Staining | no | |
| Odor | no | |
| Moisture | damp | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|------------------------------------|----------------|
| Sample Identification: CVR3TR1-2-T01N-TLG | | Date: 04/29/10 |
| Samplers' Signature: <i>ly Best</i> | | Time: 1510 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60587°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3in. | | |
| Weather Conditions: windy, ~50°F | | |
| Sample Description: | | |
| Field Soil Description <i>sandy clay silt; few gravel (~5%) MTS 5/6/10</i> | | |
| USCS Abbreviation <i>SM tailing</i> | | |
| Color | <i>gray dark gray (when moist)</i> | |
| Staining | <i>no</i> | |
| Odor | <i>no</i> | |
| Moisture | <i>damp</i> | |

| Containers | Number | Preservatives |
|----------------|----------|---------------|
| <i>4oz jar</i> | <i>1</i> | <i>NA</i> |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR3TR1-3-T01N-TLG | | Date: 04/29/10 |
| Samplers' Signature: Liz Best | | Time: 1555 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60572° W 36.71709° N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3in. past | | |
| Weather Conditions: windy, ~50°F | | |
| Sample Description: | | |
| Field Soil Description few gravel (~5%) ; clay-silty SAND MTS 5/6/10 | | |
| USCS Abbreviation sm tailing | | |
| Color gray dark gray (when moist) | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR3TR2-1-T01N-TLG | | Date: 04/29/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 0755 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60615°W 36.71636°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3 interface to 3in. past interface (6-9in) | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%), sandy-silt ^{EB} clay-silt, fine roots | | |
| USCS Abbreviation SM <i>clayey</i> ^{SAND} <i>MIS</i> 5/6/10 | | |
| Color | gray dark gray (when moist) | |
| Staining | no | |
| Odor | no | |
| Moisture | damp | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR3TR2-2-T01N-TLG | | Date: 04/29/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 0825 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.606020W 36.716370N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3in. past interface (8-11in.) | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description silt-clayey SAND MTS 5/6/10 | | |
| USCS Abbreviation <i>SAT</i> tailing | | |
| Color gray dark gray (when moist) | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
| | | |
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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|--|-------------|----------|
| Sample Identification: | CVR3TR2-3-T01N-TLG | Date: | 04/29/10 |
| Samplers' Signature: | Ly Best | Time: | 0855 |
| Type of Sample: | Surface: X | Subsurface: | — |
| | Composite: X | Grab: | — |
| Sample Location Coordinates: | 105.60588°W 36.71637°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | interface to 3 in. past interface (10-13 in) | | |
| Weather Conditions: | windy, ~40°F | | |
| Sample Description: | | | |
| Field Soil Description | silt-clayey SAND | | |
| USCS Abbreviation | SM silt-clayey HTS 5/6/10 | | |
| Color | gray dark gray (when moist) | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 402 jar | 1 | NA |
| | | |
| | | |
| | | |
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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR3TR3-1-T01N-TLG | | Date: 04/28/10 |
| Samplers' Signature: <i>by Best</i> | | Time: 16:30 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.6065°W 36.71558°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3in past interface (10in-13in) | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%) , sandy-silt | | |
| USCS Abbreviation <i>SM tailing</i> MTS 5/6/10 | | |
| Color gray dark gray (when moist) | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 1 | NA |
| | | |
| | | |
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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR3TR3-2-T01N-TLG | | Date: 04/28/10 |
| Samplers' Signature: <i>ly Best</i> | | Time: 1700 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60636°W 36.71558°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3in. interface to 3in. past interface (12-15in) | | |
| Weather Conditions: windy, ~60°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%), sandy-silt | | |
| USCS Abbreviation <i>SM</i> <i>clayey</i> | | <i>MTS 5/6/10</i> |
| Color <i>gray</i> <i>dark gray (when moist)</i> | | |
| Staining <i>no</i> | | |
| Odor <i>no</i> | | |
| Moisture <i>damp</i> | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|-----------------------------|----------------|
| Sample Identification: CVR3TR3-3-T01N-TLG | | Date: 04/29/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 0725 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60705°W ^{EB} 105.60623°W 36.71558°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: interface to 3in. past interface (3in. - 6in.) | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%) , sandy-silt | | |
| USCS Abbreviation SMT tailing | | MTS 5/6/10 |
| Color | gray dark gray (when moist) | |
| Staining | no | |
| Odor | no | |
| Moisture | damp | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
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| |

GRASS ABOVE GROUND

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR1-1-T02N-PLTGAW Date 05/01/10 1250

Personnel Dawson, Soellner

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample X Belowground Sample _____

Site ID CVR1TR1-1 Area Tailings Facility

Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 7 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in from ground

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) insect holes (minor)

Visible dust no

Other Description yellow attenuate tips (minor)

SOP NUMBER 6.0**Plant Sample Collection**Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

collected RB:
RB06- T02N- PLTGAW

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR1-2-T02N-PLTGAW Date 05/01/10 1325
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate Wheat Grass
Aboveground Sample X Belowground Sample _____
Site ID CVR1TR1-2 Area Tailings Facility
Location ~2m from center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants ~4 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from ground
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description yellow insect spots (moderate) + yellow attenuate tips (minor)

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____ NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR1-3-T02N-PLTGAW Date 05/01/10 1350
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate Wheat Grass
Aboveground Sample X Belowground Sample _____
Site ID CVR1TR1-3 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 3 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from ground
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

SOP NUMBER 6.0**Plant Sample Collection**Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR2-1-T02N-PLTGAW Date 05/01/10 1050

Personnel Soellner, Dawson

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample X Belowground Sample _____

Site ID CVR1TR2-1 Area Tailings Facility

Location ~2m from center location

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 5 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from ground

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description yellow attenuate tips (some)

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____ NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR2-2-T02N-PLTGAW Date 05/01/10 1025

Personnel Soellner, Dawson

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate wheat grass

Aboveground Sample X Belowground Sample _____

Site ID CVR1TR2-2 Area Tailings Facility

Location ~2m from center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 6 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. frm. ground

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description yellow attenuate tips (minor)

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____ NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

collected FD:

CVR1TR2-3-T02D-PLTGAW

collected RB:

RB01-T02N-PLTGAW

Sample ID CVR1TR2-3-T02N-PLTGAW Date ^{EB} 04/30/ 05/01/10 0930

Personnel Dawson, Soellner

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample X Belowground Sample _____

Site ID CVR1TR2-3 Area Tailings Facility

Location ~2m frm. center point

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 8 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from ground

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description yellow attenuate tips (minor)

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR3-1-T02N-PLTGAW Date 4/27/10 15:00

Personnel Best, Soellner, Gulde, Koch, Dawson

Plant type: Shrub _____ Grass X Forb _____

Species intermediate wheat grass

Aboveground Sample X Belowground Sample _____

Site ID CVR1TR3-1 Area Tailings Facility

Location w/in ~2m of middle pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaves

Average aboveground size of sampled plants 6 in green growth

Description of Aboveground Samples

Sampling/clipping height 1/2 in.

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____

Notes _____

NA above ground sample
field form

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

collected FD: CVR1TR3-2-T02D-PLTGAW
Sample ID CVR1TR3-2-T02N-PLTGAW Date 04/28/10 11:10
Personnel Best, Dawson, Soellner
Plant type: Shrub _____ Grass X Forb _____
Species intermediate wheat grass
Aboveground Sample X Belowground Sample _____
Site ID CVR1TR3-2 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 7 in tall

Description of Aboveground Samples

Sampling/clipping height 1/2 in. frm. bottom
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores NA _____

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR3-3-T02N-PLTGAW Date 04/28/10 14:40

Personnel Best, Dawson

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate wheat grass

Aboveground Sample X Belowground Sample _____

Site ID CVR1TR3-3 Area Tailings Facility

Location _____

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 6 in tall

Description of Aboveground Samples

Sampling/clipping height 1/2 in frm. bottom

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____ NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR1-2-T02N-PLTGAW Date 05/01/10 1540

Personnel Dawson, Soellner

Plant type: Shrub _____ Grass X Forb _____

Species Indian Ricegrass

Aboveground Sample X Belowground Sample _____

Site ID CVR2TR1-2 Area Tailings Facility

Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample EB 05/01/10
512

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 3 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from ground

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description early in season so small

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____ NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR2-1-T02N-PLTGAW Date 04/30/10 1630

Personnel Dawson, Soellner

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample X Belowground Sample _____

Site ID CVR2TR2-1 Area Tailings Facility

Location ~2m from center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 4 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from ground

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description yellow attenuate tips (minor)

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____ *NA* _____

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A
PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR2-2-T02N-PLTGAW Date 04/30/10 1500
Personnel Dawson
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate wheat Grass
Aboveground Sample X Belowground Sample _____
Site ID CVR2TR2-2 Area Tailings Facility
Location ~2m frm. center

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 6 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from bottom
Pathogens (presence, description, prevalence) no 5% of leafs have yellow long
attenuate tips
Herbivory (presence, description, prevalence) yes (in one of five individuals) -
broken off half way down leaf by elk??
Visible dust no
Other Description _____

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR2-3-T02N-PLTGAW Date 04/30/10 13:55

Personnel Dawson

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample X Belowground Sample _____

Site ID CVR2TR2-3 Area Tailings Facility

Location ~2m from center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 5 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. frm. bottom

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description yellowing on leaf material (tips, intermediate sections) that is minor

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR3-1-T02N-PLTGAW Date 04/28/10 16:10
Personnel Best, Dawson, Gulde, Koch
Plant type: Shrub _____ Grass X Forb _____
Species intermediate wheat grass
Aboveground Sample X Belowground Sample _____
Site ID CVR2TR3-1 Area Tailings Facility
Location ~2m w/in center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 5 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. frm. bottom
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) ^{EB 04/28/10}
~~no~~ yes (very minor) - chewing holes

Visible dust no

Other Description _____

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____ NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR3-2-T02N-PLTGAW Date 04/28/10 16:45
Personnel Best, Dawson, Gulde, Koch
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate wheat grass
Aboveground Sample X Belowground Sample _____
Site ID CVR2TR3-2 Area Tailings Facility
Location ~2m frm. center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 5 in. - 10 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in.
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) ~~no~~ yes (very minor)

Visible dust no

Other Description _____

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR3-3-T02N-PLTGAW Date 04/29/10 07:15

Personnel Joellner, Dawson, Best, Guide, Koch

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample X Belowground Sample _____

Site ID CVR2TR3-3 Area Tailings Facility

Location ~ 2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 4-6 in.

Description of Aboveground Samples

Sampling/clipping height ~~4-6 in.~~ ^{EB} 1/2 in. frm. bottom

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____ *NA*

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-1-T02N-PLTGAW Date 05/02/10 0900
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate Wheat Grass
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR1-1 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 4 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from ground
Pathogens (presence, description, prevalence) yellow insect spots (minor)

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description yellow attenuate tips (minor)

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____ NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-2-T02N-PLTGAW Date 05/02/10 0945

Personnel Dawson, Soellner

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample X

Belowground Sample _____

Site ID CVR3TR1-2

Area Tailings Facility

Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 4 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in from ground

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) _____

Visible dust _____

Other Description yellow attenuate tips

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-3-T02N-PLTGAW Date 02/02/10 ^{EB}~~1200~~ 1240
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass X Forb _____
Species Indian Rice grass
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR1-3 Area Tailings Facility
Location ~ 2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 8 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from ground
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-2-T02N-PLTGAW Date 04/29/10 14:30
Personnel Dawson
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate Wheat Grass
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR2-2 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 3
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 4 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from bottom
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) yellow spotting from insects

Visible dust no

Other Description _____

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-3-T02N-PLTGAW Date 04/29/10 13:20

Personnel Dawson, Gulde, Koch

Plant type: Shrub _____ Grass X Forb _____

Species Indian Ricegrass

Aboveground Sample X Belowground Sample _____

Site ID CVR3TR2-3 Area Tailings Facility

Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 6

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 5-6 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. frm. bottom

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR3-1-T02N-PLTGAW Date 04/29/10 08:15

Personnel Dawson, Gulde, Koch

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample X Belowground Sample _____

Site ID CVR3TR3-1 Area Tailings Facility

Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 3-5 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in frm. ground

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) ~~no~~ ^{EB} yes (insect eating)

Visible dust no

Other Description _____

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____ NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR3-2-T02N-PLTGAW Date 04/29/10 10:10
Personnel Dawson, Gulde, Koch
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate wheat Grass
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR3-2 Area Tailings Facility
Location ~2m frm. center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 5-7 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from ground
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR3-3-T02N-PLTGAW Date 04/29/10 10:40
Personnel Dawson, Gulde, Koch
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate Wheat Grass^{EB} Indian Ricegrass
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR3-3 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf

Average aboveground size of sampled plants 4^{EB}/₈ - 10 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. frm. ground
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

SOP NUMBER 6.0

Plant Sample Collection

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____ NA

Diameter and length _____

Notes _____

GRASS ROOT

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR1-1-T02N-PLTGBW Date 05/01/10 1305
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate Wheat Grass
Aboveground Sample _____ Belowground Sample X
Site ID CVR1TR1-1 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 7 in.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) _____
Visible dust _____
Other Description _____

NA

Description of Belowground Samples

Sampling depth ~4 in.
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) 1/4mm - 2mm, 4 in long, tan, rhizomes

Injury by pathogens or herbivores no

Diameter and length 1/4mm - 2mm, 4 in. long

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

collected RB:

RB07 - T02N - PLTGBW

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR1-2-T02N-PLTGBW Date 05/01/10 1330
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate wheat Grass
Aboveground Sample _____ Belowground Sample X
Site ID CVR1TR1-2 Area Tailings Facility
Location ~2m from center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants _____

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth ~4in.
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) 1/4mm - 2mm; ~4 in. long;
tan; rhizomes

Injury by pathogens or herbivores no

Diameter and length 1/4mm - 2mm; 4 in. long

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR1-3-T02N-PLTGBW Date 05/01/10 1355

Personnel Dawson, Soellner

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample _____ Belowground Sample X

Site ID CVR1TR1-3 Area Tailings Facility

Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 3in.

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) _____

NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 5 in.

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) 1/4mm - 2mm; 5in. long, tan;
rhizomes

Injury by pathogens or herbivores no

Diameter and length 1/4mm - 2mm; 5in. long

Notes even though plant appears to be stunted above ground, the
roots indicate the plant is healthy

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR2-1-T02N-PLTGBW Date 05/01/10 1105

Personnel Soellner, Dawson

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate wheat Grass

Aboveground Sample _____ Belowground Sample X

Site ID CVR1TR2-1 Area Tailings Facility

Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants _____

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 4in.

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) 1/2 mm - 2 mm; 4 in. long; tan

Injury by pathogens or herbivores no

Diameter and length 1/2 mm - 2 mm; 4 in. long

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR2-2-T02N-PLTGBW Date 05/01/10 1030
Personnel Soellner, Dawson
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate Wheat Grass
Aboveground Sample _____ Belowground Sample X
Site ID CVR1TR2-2 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 6 in.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 6 in.
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) 1/4mm - 2mm, 6 in. long, tan;
rhizomes

Injury by pathogens or herbivores no

Diameter and length 1/4mm - 2mm, 6 in. long

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

collected FD:

CVR1TR2-3 - T02D-PLTGBW

collected RB:

RBOZ - T02N-PLTGBW

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR2-3-T02N-PLTGBW Date 05/01/10 0955

Personnel soellner, Dawson

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample _____ Belowground Sample X

Site ID CVR1TR2-3 Area Tailings Facility

Location ~2m from center location

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 8 in.

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 8 in.

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{EB} 1/2 mm - 2.5 mm, 7 in long, tan

Injury by pathogens or herbivores no

Diameter and length ^{EB} 1/2 mm - 2.5 mm, 7 in long

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR3-1-T02N-PLTGBW Date 4/27/10 1500
Personnel Soellner, Dawson, Best, Koch, Gulde
Plant type: Shrub _____ Grass X Forb _____
Species intermediate wheat grass
Aboveground Sample _____ Belowground Sample _____ X
Site ID CVR1TR3-1 Area Tailings Facility
Location w/in ~2m of middle pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes leaves

Average aboveground size of sampled plants 6 in green growth

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA b/c below ground
Visible dust _____
Other Description field form

Description of Belowground Samples

Sampling depth 4-6 in.
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^N white → tan color

Injury by pathogens or herbivores no

Diameter and length dia: 1/2 to 2mm, length: up to 6 in.

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

collected field duplicate: CVR1TR3-2-T02B-PLTGBW
Sample ID CVR1TR3-2-T02N-PLTGBW Date 04/28/10 14:05
Personnel Best, Dawson, Soellner

Plant type: Shrub _____ Grass X Forb _____

Species intermediate wheat grass

Aboveground Sample _____ Belowground Sample X

Site ID CVR1TR3-2 Area Tailings Facility

Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 7 in. tall

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) NA

Herbivory (presence, description, prevalence) _____

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 5 in.

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} color: beige to light brown,
size: 1/2 mm - 3mm

Injury by pathogens or herbivores no

Diameter and length ^{diameter:} 1/2 mm - 3mm, length: 5in (tangled)

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR3-3-T02N-PLTGBW Date 04/28/10 15:30
Personnel Best, Dawson
Plant type: Shrub _____ Grass X Forb _____
Species ~~Harry Golden aster~~ Intermediate wheat Grass
Aboveground Sample _____ Belowground Sample X
Site ID CVR1TR3-3 Area Tailings Facility
Location ~2m frm. middle pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 6 in. tall

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 5 in
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} beige to brown, 1/2mm-1mm

Injury by pathogens or herbivores ^{no}

Diameter and length 1/2mm - 1mm, 4 in.

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR1-2-T02N-PLTGBW Date 05/01/10 16:30
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass X Forb _____
Species Indian Ricegrass
Aboveground Sample _____ Belowground Sample X
Site ID CVR2TR1-2 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 7 *EB 05/01/10*
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 3 in.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth ~4 in.
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/4mm - 1 1/2mm, 4 in long, tan

Injury by pathogens or herbivores no

Diameter and length 1/4mm - 1.5mm, 4 in. long

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR2-1-T02N-PLTGBW Date 04/30/10 16:40
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate Wheat Grass
Aboveground Sample _____ Belowground Sample _____ X
Site ID CVR2TR2-1 Area Tailings Facility
Location ~2m from center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 4 in.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 5 in.
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) 1/2 mm - 2 mm; 5 in.; tan-white;
rhizomes present

Injury by pathogens or herbivores no

Diameter and length 1/2 mm - 2 mm; 5 in.

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

field dup.
collected
EB 04/30/10

Sample ID CVR2TR2-2-T02N-PLTGBW Date 04/30/10 16-15

Personnel Dawson

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample _____ Belowground Sample X

Site ID CVR2TR2-2 Area Tailings Facility

Location ~2m from center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 6 in.

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

NA

Herbivory (presence, description, prevalence) _____

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 6 in.

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) 1/4 mm - 2mm ; 5 in long ; rhizomes

Injury by pathogens or herbivores no

Diameter and length 1/4 mm - 2mm ; 5 in. long

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR2-3-T02N-PLTGBW Date 04/30/10 14:25

Personnel Dawson

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample _____ Belowground Sample X

Site ID CVR2TR2-3 Area Tailings Facility

Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 5 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in.

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) NA

Visible dust _____

Other Description _____

~~STATED 04/30/10~~
Description of Belowground Samples

Sampling depth 4-6 in.

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/4mm-2mm, 4 in ; tan

Injury by pathogens or herbivores no

Diameter and length 1/4mm-2mm, 4 in. ~~NA~~ EB 04/30/10

Notes fine sediment attached to roots

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR3-1-T02N-PLTGBW Date 04/28/10 16:30
Personnel Best, Dawson, Gulde, Koch
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate Wheat Grass
Aboveground Sample _____ Belowground Sample X
Site ID CVR2TR3-1 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 5 in. tall

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) NA
Herbivory (presence, description, prevalence) _____
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 4 in - 5 in
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} white - tan, size 1/2 mm - 1 mm

Injury by pathogens or herbivores ^{no}

Diameter and length diameter: 1/2 mm - 1 mm, length: 4 in.

Notes some roots into tailings

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR3-2-T02N-PLTGBW Date 04/28/10 16:45
Personnel Best, Dawson, Gulde, Koch
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate Wheat Grass
Aboveground Sample _____ Belowground Sample X
Site ID CVR2TR3-2 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 5 in.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) NA
Herbivory (presence, description, prevalence) _____
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 6 in.
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} old rhizomes, tan,
1/4 mm - 2mm

Injury by pathogens or herbivores no

Diameter and length diameter: 1/4 mm - 2mm, length: 6 in.

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR3-3-T02N-PLTGBW Date 04/29/10 07:30

Personnel Dawson, Best, Gulde, Koch

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate wheat grass

Aboveground Sample _____ Belowground Sample X

Site ID CVR2TR3-3 Area Tailings Facility

Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 4-6 in.

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

NA

Herbivory (presence, description, prevalence) _____

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 4 1/2 in.

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} tan, 1/4 mm - 2 mm, 4 in.

Injury by pathogens or herbivores no

Diameter and length 1/4 mm - 2 mm, 4 in.

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-1-T02N-PLTGBW Date 05/02/10 0910
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate wheat Grass
Aboveground Sample _____ Belowground Sample _____ X
Site ID CVR3TR1-1 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 4 in.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
NA
Herbivory (presence, description, prevalence) _____
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 4 in.
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/4 mm - 2mm; 4 in. long; tan

Injury by pathogens or herbivores no

Diameter and length 1/4 mm - 2mm; 4 in. long

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-2-T02N-PLTGBW Date 05/02/10 0955
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate Wheat Grass
Aboveground Sample _____ Belowground Sample X
Site ID CVR3TR1-2 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 4in

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 4in
Type of roots: woody _____ rhizomes X taproot _____ fibrous X other _____
few

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/2mm - 2mm; 4 in. long; white + tan

Injury by pathogens or herbivores no

Diameter and length 1/2mm - 2mm; 4 in. long

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-3-T02N-PLTGBW Date 05/02/10 1245

Personnel Dawson, Soellner

Plant type: Shrub _____ Grass X Forb _____

Species Indian Ricegrass

Aboveground Sample _____ Belowground Sample X

Site ID CVR3TR1-3 Area Tailings Facility

Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 6 inches

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

NA

Herbivory (presence, description, prevalence) _____

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 4-5 in.

Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/4mm - 2mm; 4-5 in. long; tan

Injury by pathogens or herbivores no

Diameter and length 1/4mm - 2mm; ~4-5 in long

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-2-T02N-PLTGBW Date 04/29/10 14:50

Personnel Dawson

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample _____ Belowground Sample X

Site ID CVR3TR2-2 Area Tailings Facility

Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 3

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 4 in.

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 6 in.

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/4 mm - 2 mm, 5 in.

Injury by pathogens or herbivores no

Diameter and length 1/4 mm - 2 mm, up to 5 in.

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-3-T02N-PLTGBW Date 04/29/10 13:55
Personnel Dawson, Gulde, Koch
Plant type: Shrub _____ Grass X Forb _____
Species Indian Ricegrass
Aboveground Sample _____ Belowground Sample X
Site ID CVR3TR2-3 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 6
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 3-4 in.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) _____
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 5 in.
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/4 mm - 2 mm; 4 in.

Injury by pathogens or herbivores no

Diameter and length 1/4 mm - 2 mm; 4 in.

Notes roots growing in tailing

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR3-1-T02N-PLTGBW Date 04/29/10 0840
Personnel Dawson, Gulde, Koch
Plant type: Shrub _____ Grass X Forb _____
Species Intermediate Wheat Grass
Aboveground Sample _____ Belowground Sample X
Site ID CVR3TR3-1 Area Tailings Facility
Location ~2m frm center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 3-5 in.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 5-6 in.
Type of roots: woody _____ rhizomes _____ taproot PM fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/2mm - 2mm, tan
4 in. long

Injury by pathogens or herbivores no

Diameter and length 1/2mm - 2mm, 4 in. long

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR3-2-T02N-PLTGBW Date 04/29/10 10:15

Personnel Dawson, Gulde, Koch

Plant type: Shrub _____ Grass X Forb _____

Species Intermediate Wheat Grass

Aboveground Sample _____ Belowground Sample X

Site ID CVR3TR3-2 Area Tailings Facility

Location ~2m frm. center point

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes all leaf material

Average aboveground size of sampled plants 5-7 in.

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 5-6 in

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/4 mm - 1 mm; lin.; white - tan

Injury by pathogens or herbivores no

Diameter and length 1/4 mm - 1 mm; 1 in.

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR3-3-T02N-PLTGBW Date 04/29/10 10:50
Personnel Dawson, Gulde, Koch
Plant type: Shrub _____ Grass X Forb _____
Species Indian Rice Grass
Aboveground Sample _____ Belowground Sample X
Site ID CVR3TR3-3 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all leaf material

Average aboveground size of sampled plants 4-10 in.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 4 in. - 5 in.
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/4mm - 2mm ; 3 in.

Injury by pathogens or herbivores no

Diameter and length 1/4mm - 2mm ; 3 in.

Notes

ROOTZONE SOIL - GRASS

CMI Questa Mine Sampling QAPP
Appendix B
Revision No. 0.0
April 14, 2010
Page 3 of 7

SOP NUMBER 1.0

Near Surface Soil Sampling

collected RB:

Attachment A

RB05 - T02N - SOL

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|-----------------------------|-------------|----------|
| Sample Identification: | CVR1TR1-1-T02N-SOL | Date: | 05/01/10 |
| Samplers' Signature: | Lj Best | Time: | 1315 |
| Type of Sample: | Surface: X | Subsurface: | — |
| | Composite: X | Grab: | — |
| Sample Location Coordinates: | 105.60777°W 36.71711°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | ~4 in. | | |
| Weather Conditions: | sunny, ~35°F | | |
| Sample Description: | | | |
| Field Soil Description | few gravel (~5%); clay-silt | | |
| USCS Abbreviation | Sm | | |
| Color | reddish brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

QA/QC Samples Collected:

Comments: Bioaccessability collected w/ same ID

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|----------------|
| Sample Identification: CVR1TR1-2-T02N-SOL | | Date: 05/01/10 |
| Samplers' Signature: <i>by Best</i> | | Time: 1340 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.607640W 36.71710N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~4 in. | | |
| Weather Conditions: sunny, ~35°F | | |
| Sample Description: | | |
| Field Soil Description few gravel (~5%), clay-silt | | |
| USCS Abbreviation sm | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

| |
|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

collected RB.
RB08- T02N-SOL

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR1TR1-3-T02N-SOL | | Date: 05/01/10 |
| Samplers' Signature: <i>hy Best</i> | | Time: 1410 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.607510W 36.717090N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~5in. | | |
| Weather Conditions: sunny, ~35°F | | |
| Sample Description: | | |
| Field Soil Description few gravel (~5%); clay-silt | | |
| USCS Abbreviation sm | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

collected RB:
RB04-T02N-SOL

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|-------------------------------|-------------|----------|
| Sample Identification: | CVR1TR2-1-T02N-SOL | Date: | 05/01/10 |
| Samplers' Signature: | dy Best | Time: | 1120 |
| Type of Sample: | Surface: X | Subsurface: | — |
| | Composite: X | Grab: | — |
| Sample Location Coordinates: | 105.60802°W 36.7164°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | 4 in. | | |
| Weather Conditions: | sunny, ~30°F | | |
| Sample Description: | | | |
| Field Soil Description | some gravel (~30%), clay-silt | | |
| USCS Abbreviation | sm | | |
| Color | brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR1TR2-2-T02N-SOL | | Date: 05/01/10 |
| Samplers' Signature: <i>kg Best</i> | | Time: 1045 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60789°W 36.71638°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~6 in. | | |
| Weather Conditions: sunny, ~30°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~300g); clay-silt | | |
| USCS Abbreviation SM | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 40z jar | 1 | NA |
| | | |
| | | |
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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

collected RB:
RB03--TOZN-SOL

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR1TR2-3-T02N-SOL | | Date: 05/01/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 1010 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60777°W 36.71637°N | | |
| Type of Surface Cover: slightly vegetated (only grasses) | | |
| Depth Interval: ~8 in. | | |
| Weather Conditions: sunny, ~30°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%); clay-silt | | |
| USCS Abbreviation SM | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

| |
|---|
| QA/QC Samples Collected: RB |
| Comments: inaccessability w/ same ID CVR1TR2-3-T02N-SOL |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR1TR3-1-T02N-SOL | | Date: 4/27/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 15:00 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: N 36.71561° W 105.60803° | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: > 6 in. | | |
| Weather Conditions: wind, sunny ~60°F | | |
| Sample Description: | | |
| Field Soil Description sm. gravel, sandy-silt | | |
| USCS Abbreviation SM | | |
| Color dark brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

| |
|--|
| QA/QC Samples Collected: |
| Comments: collected a field duplicate ID: CVR1TR3-1-T02N-SOL |
| collected FD ID: CVR1TR3-1-T02D-SOL |
| |
| |

STET
EB 04/27/10

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR1TR3-2-T02N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>Liz Best</i> | | Time: 14:05 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60789°W 36.71559°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 76 in. | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description sm. gravel, sandy-silt | | |
| USCS Abbreviation SM | | |
| Color dark brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|--|-------------|--------------------------|
| Sample Identification: | CVR1TR3-3-T02N-SOL | Date: | 4/28/10 |
| Samplers' Signature: | by Best | Time: | 15:40 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: | <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: | <input type="checkbox"/> |
| Sample Location Coordinates: | 105.60777°W 36.71558°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | 6 in. | | |
| Weather Conditions: | windy, sunny, ~60°F | | |
| Sample Description: | | | |
| Field Soil Description | some gravel (30%), sandy-silt | | |
| USCS Abbreviation | SM | | |
| Color | brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

| |
|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR2TR1-2-T02N-SOL | | Date: 05/01/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1630 ^{EB} 45 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60666°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~4 in. | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description some cobbel (~30%), clay-silt | | |
| USCS Abbreviation SM | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
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| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR2TR2-1-T02N-SOL | | Date: 04/30/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1650 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60703°W 36.71638°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~ 5 in. | | |
| Weather Conditions: cloudy, 30°F | | |
| Sample Description: | | |
| Field Soil Description some cobbel (~30%), clay-silt | | |
| USCS Abbreviation SM | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: bioaccessability sample collected w/ same ID |
| |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|--|--|-------------|--------------------------|
| Sample Identification: | CVR2TR2-2-T02N-SOL | Date: | 04/30/10 |
| Samplers' Signature: | <i>Lj Best</i> | Time: | 1630 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: | <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: | <input type="checkbox"/> |
| Sample Location Coordinates: 105.60689°W 36.71638°N | | | |
| Type of Surface Cover: slightly vegetated | | | |
| Depth Interval: ~6 in. | | | |
| Weather Conditions: cloudy, ~35°F | | | |
| Sample Description: | | | |
| Field Soil Description some gravel-cobbles (~30%); clay-silt | | | |
| USCS Abbreviation SM | | | |
| Color reddish brown | | | |
| Staining no | | | |
| Odor no | | | |
| Moisture damp | | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

| | |
|--------------------------|--------------------|
| QA/QC Samples Collected: | CVR2TR2-2-T02B-SOL |
| Comments: | field duplicate |
| | |
| | |
| | |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR2TR2-3-T02N-SOL | | Date: 04/30/10 |
| Samplers' Signature: <i>Liz Best</i> | | Time: 1450 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60675°W 36.71637°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-EB 04/30/10 ~ 4 in. | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description some gravel, cobble (~30%); clay-silt | | |
| USCS Abbreviation SM | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--|
| QA/QC Samples Collected: |
| Comments: collected bioaccessability sample w/ same ID |
| |
| |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|--|-------------|--------------------------|
| Sample Identification: | CVR2TR3-1-T02N-SOL | Date: | 04/28/10 |
| Samplers' Signature: | <i>dy Best</i> | Time: | 16:30 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: | <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: | <input type="checkbox"/> |
| Sample Location Coordinates: | 105.60732° ^{EW} W 36.71558° N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | 76 in. | | |
| Weather Conditions: | windy, sunny, 60°F | | |
| Sample Description: | | | |
| Field Soil Description | some gravel (30%), sandy-silt | | |
| USCS Abbreviation | SM | | |
| Color | brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR2TR3-2-T02N-SOL | | Date: 04/28/10 |
| Samplers' Signature: | | Time: 16:45 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60718°W 36.71559°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 6 in. | | |
| Weather Conditions: windy, cloudy, ~60°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%), sandy-silt | | |
| USCS Abbreviation SM | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR2TR3-3-T02N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 07:40 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60705°W 36.71559°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~6 in. | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%), sandy-silt | | |
| USCS Abbreviation SM | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|--|-------------|--------------------------|
| Sample Identification: | CVR3TR1-1-T02N-SOL | Date: | 05/02/10 |
| Samplers' Signature: | <i>Ly Best</i> | Time: | 0915 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: | <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: | <input type="checkbox"/> |
| Sample Location Coordinates: | 105.606° W 36.7171° N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | ~4 in. | | |
| Weather Conditions: | cloudy, ~35°F | | |
| Sample Description: | | | |
| Field Soil Description | some gravel (~30%); clay-silt | | |
| USCS Abbreviation | SM | | |
| Color | brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
| |
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| |

collected RB:
RB12-T02N-SOL

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|------------------------------|-------------|----------|
| Sample Identification: | CVR3TR1-2-T02N-SOL | Date: | 05/02/10 |
| Samplers' Signature: | by Best | Time: | 1000 |
| Type of Sample: | Surface: X | Subsurface: | — |
| | Composite: X | Grab: | — |
| Sample Location Coordinates: | 105.60587°W 36.7171°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | ~4 in. | | |
| Weather Conditions: | cloudy, ~35°F | | |
| Sample Description: | | | |
| Field Soil Description | few gravel (~5%), sandy-silt | | |
| USCS Abbreviation | SM | | |
| Color | brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 1 | NA |
| | | |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|--|-------------|--------------------------|
| Sample Identification: | CVR3TR1-3-T02N-SOL | Date: | 05/02/10 |
| Samplers' Signature: | <i>Lj. Best</i> | Time: | 1255 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: | <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: | <input type="checkbox"/> |
| Sample Location Coordinates: | 105.60572°W 36.71709°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | | | |
| Weather Conditions: | snowing, ~30°F | | |
| Sample Description: | | | |
| Field Soil Description | few gravel (~5%); clay-silt | | |
| USCS Abbreviation | SM | | |
| Color | reddish brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jars | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR3TR2-2-T02N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1515 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60602°W 36.71637°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: | | |
| Weather Conditions: windy, ~50°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%), clay EB silt-clay | | |
| USCS Abbreviation sm | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|-------------------------------|-------------|----------|
| Sample Identification: | CVR3TR2-3-T02N-SOL | Date: | 04/29/10 |
| Samplers' Signature: | by Best | Time: | 1415 |
| Type of Sample: | Surface: X | Subsurface: | — |
| | Composite: X | Grab: | — |
| Sample Location Coordinates: | 105.60588°W 36.71637°N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | | | |
| Weather Conditions: | windy, ~50°F | | |
| Sample Description: | ~4 in. | | |
| Field Soil Description | some gravel (~30%); silt-clay | | |
| USCS Abbreviation | SM | | |
| Color | brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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|---|
| QA/QC Samples Collected: |
| Comments: collected a bioaccessibility sample as well |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR3TR3-1-T02N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 0840 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.6065°W 36.71637°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-6 in. | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description: some gravel (~30%), sandy-silt | | |
| USCS Abbreviation: SM | | |
| Color: brown | | |
| Staining: no | | |
| Odor: no | | |
| Moisture: damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|----------------|
| Sample Identification: CVR3TR3-2-T02N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 10:20 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60636°W 36.71558°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3 in ^{EP} ~6 in. | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description: some gravel (~30%), sandy-silt | | |
| USCS Abbreviation: SM | | |
| Color: brown | | |
| Staining: no | | |
| Odor: no | | |
| Moisture: damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|--|-------------|--------------------------|
| Sample Identification: | CVR3TR3-3-T02N-SOL | Date: | 04/29/10 |
| Samplers' Signature: | Ly Best | Time: | 11:35 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: | <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: | <input type="checkbox"/> |
| Sample Location Coordinates: | 105.606230W 36.715580N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | ~4-5 in. | | |
| Weather Conditions: | windy, cloudy, ~40°F | | |
| Sample Description: | | | |
| Field Soil Description | some gravel (~30%), sandy-silt | | |
| USCS Abbreviation | SM | | |
| Color | brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

FORB ABOVE GROUND

CMI Questa Mine Sampling QAPP
Appendix B
Revision No. 0.0
April 14, 2010

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR3-1-T03N-PLTFAW Date 4/27/10 1500
Personnel Soellner, Dawson, Best, Gulde, Koch
Plant type: Shrub _____ Grass _____ Forb X
Species alfalfa
Aboveground Sample X Belowground Sample _____
Site ID CVR1TR3-1 Area Tailings Facility
Location w/in ~ 2m W of middle pt.

Description of Sampled Vegetation

Number of Individuals in Sample 1 ^{MTS} 3
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes leaves + green stems

Average aboveground size of sampled plants 1m tall, stems are 2-4m long

Description of Aboveground Samples

Sampling/clipping height ground-level
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) yes (insects)

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____ NA b/c aboveground sample

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR3-2-T03N-PLTFAW Date 04/28/10 11:50
Personnel Best, Dawson, Soellner
Plant type: Shrub _____ Grass _____ Forb X
Species senecio spartioides
Aboveground Sample X Belowground Sample _____
Site ID CVR1TR3-2 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 3
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes _____

Average aboveground size of sampled plants 2 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in frm. ground
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____

NA

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR3-3-T03N-PLTFAW Date 04/28/10 15:00
Personnel Best, Dawson
Plant type: Shrub _____ Grass _____ Forb X
Species Hairy Goldenaster
Aboveground Sample X Belowground Sample _____
Site ID CVR1TR3-3 Area Tailings Facility
Location ~2m frm. central point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes leaves + green stems (1/2 in. long)

Average aboveground size of sampled plants 3/4 in tall

Description of Aboveground Samples

Sampling/clipping height breaking off w/ fingers at 1/4 in.
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules)_____

Injury by pathogens or herbivores_____

Diameter and length_____ **NA**

Notes_____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR1-1-T03N-PLTFAW Date 05/01/10 14:40

Personnel Dawson, Soellner

Plant type: Shrub _____ Grass _____ Forb X

Species ~~alfalfa~~^{EB} Hairy Goldenaster

Aboveground Sample X Belowground Sample _____

Site ID CVR2TR1-1 Area Tailings Facility

Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes stem + young-green leaf material

Average aboveground size of sampled plants 2-3 in. stems + height 1 in. off ground

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from ground

Pathogens (presence, description, prevalence) insects in one individual

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth NA

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____ NA

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

collected FD:
CVR2TR1-2-T03D-PLTFAW
collected RB:
RB09-T03N-PLTFAW

Sample ID CVR2TR1-2-T03N-PLTFAW Date 05/01/10 1540

Personnel Dawson, Soellner

Plant type: Shrub _____ Grass _____ Forb X

Species Hairy Goldenaster

Aboveground Sample X Belowground Sample _____

Site ID CVR2TR1-2 Area Tailings Facility

Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 8

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes stem + young - green leaf

Average aboveground size of sampled plants 1-2 inches

Description of Aboveground Samples

Sampling/clipping height 1/2 in^{es} from ground

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____ NA

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR1-3-T03N-PLTFAW Date 05/01/10 16:50

Personnel Dawson, Soellner

Plant type: Shrub _____ Grass _____ Forb X

Species Hairy Goldenaster

Aboveground Sample X Belowground Sample _____

Site ID CVR2TR1-3 Area Tailings Facility

Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 6

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes stem + young-green leaf

Average aboveground size of sampled plants 1 in. tall

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from ground

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules)_____

Injury by pathogens or herbivores_____NA_____

Diameter and length_____

Notes_____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Collected a
field duplicate
CVR2TR2-Z-T03D-PLTFAW

Sample ID CVR2TR2-2-T03N-PLTFAW Date 04/30/10 15:10
Personnel Dawson
Plant type: Shrub _____ Grass _____ Forb X
Species Hairy Goldenaster
Aboveground Sample X Belowground Sample _____
Site ID CVR2TR2-2 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + leaf material (~1.5 in. long)

Average aboveground size of sampled plants 1 in. tall

Description of Aboveground Samples

Sampling/clipping height 1/2 in frm. bottom
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____
Type of roots: woody _____ rhizomes NA taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____ NA

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-2-T03N-PLTFAW Date 05/02/10 1025
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass _____ Forb X
Species ~~Inte~~^{EB} Alfalfa
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR1-2 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample ~~5~~ EB 05/02/10 7
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + leaf

Average aboveground size of sampled plants 1 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from ground
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) scallops + holes from insects (minor)

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules)_____

Injury by pathogens or herbivores_____

Diameter and length_____ NA

Notes_____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-3-T03N-PLTFAW Date 05/02/10 ~~1200~~ 1220
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass _____ Forb X
Species Alfalfa
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR1-3 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 512
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + leaf

Average aboveground size of sampled plants 1 in. off ground; 2-3 in. stems

Description of Aboveground Samples

Sampling/clipping height 1/2 in off ground
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) yes - insect holes (moderate)

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules)_____

Injury by pathogens or herbivores_____

NA

Diameter and length_____

Notes_____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-1-T03N-PLTFAW Date 04/29/10 15:55
Personnel Dawson
Plant type: Shrub _____ Grass _____ Forb X
Species alfalfa
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR2-1 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 6
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + leaf material

Average aboveground size of sampled plants lin.

Description of Aboveground Samples

Sampling/clipping height 1/4 in.
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) holes frm. insects (minor)

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules)_____

Injury by pathogens or herbivores_____

NA

Diameter and length_____

Notes_____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-2-T03N-PLTFAW Date 04/29/10 1510
Personnel Dawson
Plant type: Shrub _____ Grass _____ Forb X
Species alfalfa
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR2-2 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 6
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all stem + green-young leafs

Average aboveground size of sampled plants lin. tall + sample pieces ~2in. long

Description of Aboveground Samples

Sampling/clipping height 1/4 in. frm. bottom
Pathogens (presence, description, prevalence) insect damage - discoloration (minor)

Herbivory (presence, description, prevalence) insect holes (minor)

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____

NA

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-3-T03N-PLTFAW Date 04/29/10 13:20

Personnel Dawson, Gulde, Koch

Plant type: Shrub _____ Grass _____ Forb X

Species Alfalfa

Aboveground Sample X

Belowground Sample _____

Site ID CVR3TR2-3

Area Tailings Facility

Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 6

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes stems + leaf

Average aboveground size of sampled plants 1 in. - 3 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in. from bottom

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) yes (insect)

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules)_____

Injury by pathogens or herbivores_____

Diameter and length_____ NA

Notes_____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR3-3-T03N-PLTFAW Date 04/29/10 10:40
Personnel Dawson, Gulde, Koch
Plant type: Shrub _____ Grass _____ Forb X
Species alfalfa
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR3-3 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes leaf + stem

Average aboveground size of sampled plants 1 in. - 3 in.

Description of Aboveground Samples

Sampling/clipping height 1/2 in.
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) yes (insects)

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

NA

Diameter and length _____

Notes _____

FORB ROOT

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR3-1-T03N-PLTFBW Date 4/27/10 1500
Personnel Soellner, Dawson, Best, Koch, Gulde
Plant type: Shrub _____ Grass _____ Forb X
Species alfalfa
Aboveground Sample _____ Belowground Sample X
Site ID CVR1TR3-1 Area Tailings Facility
Location w/in ~2m of middle pt.

Description of Sampled Vegetation

Number of Individuals in Sample MTS 3
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes leaves + green stems

Average aboveground size of sampled plants 1 in. tall, stems 2-4 inches 4-5 in. MTS

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA b/c below ground
Visible dust _____
Other Description field form

Description of Belowground Samples

Sampling depth () - 6.5 in., 0-6 in., 0-8 in.
Type of roots: woody _____ rhizomes _____ taproot X fibrous X other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) white, 2cm, some lateral roots

Injury by pathogens or herbivores no

Diameter and length diameter up to 1/2 in
2cm, 6 in, 6.5 in, + 7 8 in.
EB

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR3-2-T03N-PLTFBW Date 04/28/10 13:45
Personnel Best, Dawson, Soellner
Plant type: Shrub _____ Grass _____ Forb X
Species scenecio spartioides
Aboveground Sample _____ Belowground Sample X
Site ID CVR1TR3-2 Area Tailings Facility
Location ~2m of center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 3 ^{EB} 4
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes _____

Average aboveground size of sampled plants 2 in.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 6 in.
Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X lateral
5m. portions

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} taproot: woody
other roots: tan;
1/2 mm - 10 mm

Injury by pathogens or herbivores no

Diameter and length diameter: 1/2 mm - 10 mm length: 5 in.

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR1TR3-3-T03N-PLTFBW Date 04/28/10 15:05

Personnel Best, Dawson

Plant type: Shrub _____ Grass _____ Forb X

Species Hairy Goldenaster

Aboveground Sample _____ Belowground Sample X

Site ID CVR1TR3-3 Area Tailings Facility

Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5^{EB} 8

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes leaves + stem (1/2 in. long)

Average aboveground size of sampled plants _____

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 8 in.

Type of roots: woody _____ rhizomes _____ taproot X smaller fibrous _____ other X lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) lateral brown, taproots brown +
woody, 1/4 mm - 8 mm

Injury by pathogens or herbivores no

Diameter and length 1/4 mm - 8 mm, up to 8 in.

Notes rooted in tailing.

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR1-1-T03N-PLTFBW Date 05/01/10 1450
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass _____ Forb X
Species ~~Atfalpa~~ Hairy Goldenaster
Aboveground Sample _____ Belowground Sample X
Site ID CVR2TR1-1 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes all stem + young-green leaf

Average aboveground size of sampled plants 2-3 in. stems + 1 in. off ground

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 9 in.
Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X
sm. portions lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} ^{mm} ^{ITS} ~~1mm- 10 cm~~, 9 in., white-tan

Injury by pathogens or herbivores no

Diameter and length 1mm- 10 cm, 9 in. long

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

collected FD:

CVR2TR1-2-T03D-PLTFBW

collected RB:

RB10-T03N-PLTFBW

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR1-2-T03N-PLTFBW Date 05/01/10 1600

Personnel Dawson, Soellner

Plant type: Shrub _____ Grass _____ Forb X

Species Halcy Goldenaster

Aboveground Sample _____ Belowground Sample X

Site ID CVR2TR1-2 Area Tailings Facility

Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 6

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes att ^{EB} leaf stem + young - green leaf material

Average aboveground size of sampled plants 1-2 inches

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) _____

NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 8 in.

Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X
lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} $\frac{1}{2}$ mm - 10 ^{mm} ^{mts} ~~cm~~, 8 in, tan

Injury by pathogens or herbivores no

Diameter and length $\frac{1}{2}$ mm - 10 cm, 8 in. long

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR1-3-T03N-PLTFBW Date 05/01/10 16:55
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass _____ Forb X
Species Hairy Goldenaster
Aboveground Sample _____ Belowground Sample X
Site ID CVR2TR1-3 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 6
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + young-green leaf material

Average aboveground size of sampled plants _____

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 8 in.

Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) 1/2mm - 10^{mm} ^{MTS}cm, 8 in. long; tan

Injury by pathogens or herbivores no

Diameter and length 1/2mm - 10cm, 8 inches long ^{EB 05/01/10}

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

collected FD
CVR2 TR2 - 2 - T03D - PLTFBW

Sample ID CVR2TR2-2-T03N-PLTFBW Date 04/30/10 15:30

Personnel Dawson

Plant type: Shrub _____ Grass _____ Forb X

Species Hairy Goldenaster

Aboveground Sample _____ Belowground Sample X

Site ID CVR2TR2-2 Area Tailings Facility

Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes stem + leaf material (1 1/2 in. long)

Average aboveground size of sampled plants 1 in. tall

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 8 in.

Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X lateral 6 in long

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) 1/2-1mm ; 6-8 in ; white-tan
+ taproot
up to 3mm

Injury by pathogens or herbivores no

Diameter and length 1/2-8mm ; 6-8 in.

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-2-T03N-PLTFBW Date 05/02/10 1030
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass _____ Forb X
Species alfalfa
Aboveground Sample _____ Belowground Sample X
Site ID CVR3TR1-2 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 7
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + leaf

Average aboveground size of sampled plants 1 in.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) _____
Visible dust _____
Other Description _____

NA

Description of Belowground Samples

Sampling depth 9 in. (one very long root)
Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X
lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/2 - 10 mm, 9 in, white-tan

Injury by pathogens or herbivores no

Diameter and length 1/2 - 10 mm, 9 in.

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-3-T03N-PLTFBW Date 05/02/10 1225
Personnel Dawson, Soellner
Plant type: Shrub _____ Grass _____ Forb X
Species Alfalfa
Aboveground Sample _____ Belowground Sample X
Site ID CVR3TR1-3 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 12
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + leaf

Average aboveground size of sampled plants 1 in. off ground; 2-3 in. stems

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 5 in
Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X
interval

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 2-10mm, 5in, tan

Injury by pathogens or herbivores no

Diameter and length 2-10mm, 5in.

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-1-T03N-PLTFBW Date 04/29/10 16:05
Personnel Dawson
Plant type: Shrub _____ Grass _____ Forb X
Species alfalfa
Aboveground Sample _____ Belowground Sample X
Site ID CVR3TR2-1 Area Tailings Facility
Location ~2m from center pt.

Description of Sampled Vegetation

Number of Individuals in Sample _____
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + leaf material

Average aboveground size of sampled plants 1 in.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth ~6 in.
Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/4 mm - 10 mm; up to 6 in. long;
white → tan

Injury by pathogens or herbivores no

Diameter and length 1/4 mm - 10 mm; up to 6 in. long

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-2-T03N-PLTFBW Date 04/29/10 15:30
Personnel Dawson
Plant type: Shrub _____ Grass _____ Forb X
Species alfalfa
Aboveground Sample _____ Belowground Sample X
Site ID CVR3TR2-2 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 6
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + green - young leaf

Average aboveground size of sampled plants _____

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) NA
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 6 in.
Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/4 mm - 10 mm, 6 in.

Injury by pathogens or herbivores no

Diameter and length 1/4 mm - 10 mm, 6 in.

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-3-T03N-PLTFBW Date 04/29/10 13:30

Personnel Dawson, Gulde, Koch

Plant type: Shrub _____ Grass _____ Forb X

Species Alfalfa

Aboveground Sample _____ Belowground Sample X

Site ID CVR3TR2-3 Area Tailings Facility

Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 6

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes stems + leaf

Average aboveground size of sampled plants 1in. - 3in.

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) NA

Herbivory (presence, description, prevalence) _____

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 3-4in.

Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/4 mm - 3 mm, 3 in. long

Injury by pathogens or herbivores no

Diameter and length 1/4 mm - 3 mm, 3 in long

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR3-3-T03N-PLTFBW Date 04/29/10 10:50

Personnel Dawson, Gulde, Koch

Plant type: Shrub _____ Grass _____ Forb X

Species alfalfa

Aboveground Sample _____ Belowground Sample X

Site ID CVR3TR3-3 Area Tailings Facility

Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes leaf + stem

Average aboveground size of sampled plants 1in. - 3in.

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

NA

Herbivory (presence, description, prevalence) _____

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 5-8 in.

Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/4 mm - 2mm, up to 3in. long

Injury by pathogens or herbivores no (no bugs)

Diameter and length 1/4 mm - 2mm; 1-3 in. long

Notes

SOP NUMBER 1.0**Near Surface Soil Sampling****Attachment A****FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES**

| | | | |
|------------------------------|--|-------------|--------------------------|
| Sample Identification: | CVR1TR3-1-T03N-SOL | Date: | 4/27/10 |
| Samplers' Signature: | Liz Best | Time: | 15:00 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: | <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: | <input type="checkbox"/> |
| Sample Location Coordinates: | N 36.71561° W 105.60803° | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | 0 - 6 in. | | |
| Weather Conditions: | windy, sunny ~ 60°F | | |
| Sample Description: | | | |
| Field Soil Description | sm. gravel, silty-sand | | |
| USCS Abbreviation | SM | | |
| Color | dark brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

| |
|--|
| QA/QC Samples Collected: |
| Comments: collected bioaccess. sample ID: CVR1TR3-1-T03N-SOL |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR1TR3-2-T03N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>Liz Best</i> | | Time: 13:45 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60789°W 36.71559°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: > 6 in. | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description sm. gravel, sandy-silt (30% gravel) | | |
| USCS Abbreviation SM | | |
| Color dark brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

| |
|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR1TR3-3-T03N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>dy Best</i> | | Time: 15:10 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60777°W 36.71558°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 6 in. | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (30%), sandy-silt | | |
| USCS Abbreviation SM | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR2TR1-1-T03N-SOL | | Date: 05/01/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1500 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60682°W 36.71711°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~9 in. | | |
| Weather Conditions: cloudy, ~30°F | | |
| Sample Description: | | |
| Field Soil Description few gravel (~506); clay-silt | | |
| USCS Abbreviation SM | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
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|--|
| QA/QC Samples Collected: |
| Comments: bioaccessability sample collected w/ same ID |
| |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|----------------|
| Sample Identification: CVR2TR1-2-T03N-SOL | | Date: 05/01/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 1630 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60666°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~8 in. | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description some cobbel (~30%); clay-silt | | |
| USCS Abbreviation sm | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

RB11-T03N-SOL

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|----------------|
| Sample Identification: CVR2TR1-3-T03N-SOL | | Date: 05/01/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 1710 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60654°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~8 inches. | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description sandy-silt | | |
| USCS Abbreviation SM | | |
| Color light brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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|-----------------------------------|
| QA/QC Samples Collected: |
| Comments: collected RB11-T03N-SOL |
| -tailing material in soil |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|----------------|
| Sample Identification: CVR2TR2-2-T03N-SOL | | Date: 04/30/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1600 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60689°W 36.71638°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: up to 8 in. | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description some gravel-cobbles (~30%); clay-silt | | |
| USCS Abbreviation sm | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz jar | 1 | NA |
| | | |
| | | |
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|---|
| QA/QC Samples Collected: CVR2TR2-2-T03D-SOL |
| Comments: field duplicate |
| |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR3TR1-2-T03N-SOL | | Date: 05/02/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1040 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60587°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~9 in. | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description: few gravel (~5%), sandy-silt | | |
| USCS Abbreviation: sm | | |
| Color: brown | | |
| Staining: no | | |
| Odor: no | | |
| Moisture: damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR3TR1-3-T03N-SOL | | Date: 05/02/10 |
| Samplers' Signature: <i>hj Best</i> | | Time: 1235 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60572°W 36.71709°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~5 in. | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description few gravel (~5%); clay-silt | | |
| USCS Abbreviation SM | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR3TR2-1-T03N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Liz Best</i> | | Time: 16:20 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60615°W 36.71636°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 0-3 EB ~6 in. | | |
| Weather Conditions: windy, ~50°F | | |
| Sample Description: | | |
| Field Soil Description clay-silt | | |
| USCS Abbreviation sm | | |
| Color light reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR3TR2-2-T03N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Liz Best</i> | | Time: 1545 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60602°W 36.71637°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: | | |
| Weather Conditions: windy, ~50°F | | |
| Sample Description: | | |
| Field Soil Description clay-silt | | |
| USCS Abbreviation sm | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR3TR2-3-T03N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Lj Best</i> | | Time: 13:35 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60588°W 36.71637°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: | | |
| Weather Conditions: windy, ~ 50° F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30), silt-clay | | |
| USCS Abbreviation SM | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR3TR3-3-T03N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1110 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60623°W 36.71558°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: up to ~8 in. | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description: some gravel (~30%), silt sandy-silt | | |
| USCS Abbreviation: SM | | |
| Color: brown - gray (frm. tailings) | | |
| Staining: no | | |
| Odor: no | | |
| Moisture: damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 402 jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SHRUB ABOVE GROUND

CMI Questa Mine Sampling QAPP
Appendix B
Revision No. 0.0
April 14, 2010

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR1-1-T04N-PLTSAW Date 05/01/10 14:40
Personnel Dawson, Soellner
Plant type: Shrub X Grass _____ Forb _____
Species Rubber Rabbit Brush
Aboveground Sample X Belowground Sample _____
Site ID CVR2TR1-1 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + young - green leaf

Average aboveground size of sampled plants 10 in.

Description of Aboveground Samples

Sampling/clipping height 2-12 in.
Pathogens (presence, description, prevalence) no
Herbivory (presence, description, prevalence) no

Visible dust no

Other Description not very vigorous

Description of Belowground Samples

Sampling depth _____
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____

NA

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR3-2-T04N-PLTSAW Date 04/28/10 17:00
Personnel Best, Dawson, Gulde, Koch
Plant type: Shrub X Grass _____ Forb _____
Species Rubber Rabbit Brush
Aboveground Sample X Belowground Sample _____
Site ID CVR2TR3-2 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 4
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes green stems w/ young leaves, leaves 1/2 in. long

Average aboveground size of sampled plants 1 ft. - 2 ft.

Description of Aboveground Samples

Sampling/clipping height 6 in. - 2 ft. (4-6 in. long)
Pathogens (presence, description, prevalence) insect galls (moderate amount)

Herbivory (presence, description, prevalence) yes (browsing)

Visible dust no

Other Description larger brush had last years flowers, but clipped off prior to sampling

Description of Belowground Samples

Sampling depth _____

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____ NA

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-1-T04N-PLTSAW Date 05/02/10 0920
Personnel Dawson, Soellner
Plant type: Shrub X Grass _____ Forb _____
Species Rubber Rabbit Brush
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR1-1 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + young-green leaf

Average aboveground size of sampled plants 10 inches (8 in. stems)

Description of Aboveground Samples

Sampling/clipping height 6 in. from ground
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description young + small, but relatively vigorous

Description of Belowground Samples

Sampling depth _____
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____ NA

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-2-T04N-PLTSAW Date 05/02/10 1005
Personnel Dawson, Soellner
Plant type: Shrub X Grass _____ Forb _____
Species Rubber Rabbit Brush
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR1-2 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample X 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + young - green leaf

Average aboveground size of sampled plants 1 ft.

Description of Aboveground Samples

Sampling/clipping height 6 in. from ground
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description moderately vigorous

Description of Belowground Samples

Sampling depth _____
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____ NA _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-3-T04N-PLTSAW Date 05/02/10 1200
Personnel Dawson, Soellner
Plant type: Shrub X Grass _____ Forb _____
Species Rubber Rabbit Brush
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR1-3 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + young-green leaf

Average aboveground size of sampled plants 10 in.

Description of Aboveground Samples

Sampling/clipping height 6 in. from ground
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) browsing by grazers

Visible dust no

Other Description insect galls, moderately vigorous

Description of Belowground Samples

Sampling depth _____
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____ NA

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-1-T04N-PLTSAW Date 04/29/10 ¹⁶
04:25
Personnel Dawson
Plant type: Shrub X Grass EB Forb
Species Rubber Rabbit ~~Gr~~ Brush
Aboveground Sample X Belowground Sample
Site ID CVR3TR2-1 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample EB 5
Phenology: Vegetative X Bud Flowering Fruiting Senescing
Notes stem + young-green leaf

Average aboveground size of sampled plants 12-18 in.

Description of Aboveground Samples

Sampling/clipping height 6 in - 12 in.
Pathogens (presence, description, prevalence) no
Herbivory (presence, description, prevalence) no

Visible dust no

Other Description vigorous growth as ^{EB} tea pieces cut are 6-9 in. j
healthy

Description of Belowground Samples

Sampling depth
Type of roots: woody rhizomes taproot fibrous other

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____ NA

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-3-T04N-PLTSAW Date 04/29/10 13:20
Personnel Dawson, Gulde, Koch
Plant type: Shrub X Grass _____ Forb _____
Species Rubber Rabbit ~~Grass~~ ^{EB} Brush
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR2-3 Area Tailings Facility
Location ~2m frm. center

Description of Sampled Vegetation

Number of Individuals in Sample 6
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stems + young-green leaves

Average aboveground size of sampled plants 2in - 18in

Description of Aboveground Samples

Sampling/clipping height 2in - 18in.
Pathogens (presence, description, prevalence) galls on one of six

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____ NA _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR3-1-T04N-PLTSAW Date 04/29/10 08:15
Personnel Dawson, Gulde, Koch
Plant type: Shrub X Grass _____ Forb _____
Species Rubber Rabbit Brush
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR3-1 Area Tailings Facility
Location ~2m frm. center

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stems + beginning green leaves

Average aboveground size of sampled plants 2-2 1/2 ft.

Description of Aboveground Samples

Sampling/clipping height 4-6 in. of green stem
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description _____

Description of Belowground Samples

Sampling depth _____
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

Diameter and length _____ NA

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

* collected a
field duplicate
at 09:30

Sample ID CVR3TR3-2-T04N-PLTSAW Date 04/29/10 09:30

Personnel Dawson, Gulde, Koch

Plant type: Shrub X Grass Forb

Species Rubber Rabbit Grass

Aboveground Sample X Belowground Sample

Site ID CVR3TR3-2 Area Tailings Facility

Location ~2m frm. center point

Description of Sampled Vegetation

Number of Individuals in Sample 8

Phenology: Vegetative X Bud Flowering Fruiting Senescing

Notes stems + green-young leafs

Average aboveground size of sampled plants 2-2 1/2 ft.

Description of Aboveground Samples

Sampling/clipping height 8 in. - 18 in.

Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description

Description of Belowground Samples

Sampling depth

Type of roots: woody rhizomes NA taproot fibrous other

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

NA

Diameter and length _____

Notes _____

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR3-3-T04N-PLTSAW Date 04/29/10 10:40
Personnel Dawson, Gulde, Koch
Plant type: Shrub X Grass _____ Forb _____
Species Rubber Rabbit Brush
Aboveground Sample X Belowground Sample _____
Site ID CVR3TR3-3 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 6
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + young leaf

Average aboveground size of sampled plants 8in - 2ft.

Description of Aboveground Samples

Sampling/clipping height 2in - 2ft.
Pathogens (presence, description, prevalence) no

Herbivory (presence, description, prevalence) no

Visible dust no

Other Description smaller plants not much green growth, appear to be growing poorly

Description of Belowground Samples

Sampling depth _____
Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other _____

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) _____

Injury by pathogens or herbivores _____

NA

Diameter and length _____

Notes _____

SHRUB ROOT

CMI Questa Mine Sampling QAPP
Appendix B
Revision No. 0.0
April 14, 2010

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR1-1-T04N-PLTSBW Date 05/01/10 1505

Personnel Dawson, Soellner

Plant type: Shrub X Grass _____ Forb _____

Species Rubber Rabbit Brush

Aboveground Sample _____ Belowground Sample X

Site ID CVR2TR1-1 Area Tailings Facility

Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes stem + young - green leaf

Average aboveground size of sampled plants 10 inches

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 12 in.

Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X
lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} >10mm; 12 inches; tan

Injury by pathogens or herbivores no

Diameter and length up to 10mm; 12 inches

Notes some roots located in tailing material

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR2TR3-2-T04N-PLTSBW Date 04/28/10 17:00

Personnel Best, Dawson, Gulde, Koch

Plant type: Shrub X Grass _____ Forb _____

Species Rubber Rabbit Brush

Aboveground Sample _____ Belowground Sample X

Site ID CVR2TR3-2 Area Tailings Facility

Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample _____

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes stems + young leaves

Average aboveground size of sampled plants 1-2 ft.

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 1 ft.

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other X lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) no no size: 1cm - 1 in., tan

Injury by pathogens or herbivores no

Diameter and length diameter: 1cm - 1mm, 1 ft. - 1 1/2 ft.

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-1-T04N-PLTSBW Date 05/02/10 0930

Personnel Dawson, Soellner

Plant type: Shrub X Grass Forb

Species Rubber Rabbit Brush

Aboveground Sample Belowground Sample X

Site ID CVR3TR1-1 Area Tailings Facility

Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud Flowering Fruiting Senescing

Notes stem + young-green leaf

Average aboveground size of sampled plants 10 in.

Description of Aboveground Samples

Sampling/clipping height

Pathogens (presence, description, prevalence)

Herbivory (presence, description, prevalence) NA

Visible dust

Other Description

Description of Belowground Samples

Sampling depth 10 in.

Type of roots: woody rhizomes taproot X fibrous other X lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} ^{ED} up to 10^{mm}; 10 in. long, tan

Injury by pathogens or herbivores no

Diameter and length 0.5-10mm; 10 in. long

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-2-T04N-PLTSBW Date 05/02/10 1015
Personnel Dawson, Soellner
Plant type: Shrub X Grass _____ Forb _____
Species Rubber Rabbit Brush
Aboveground Sample _____ Belowground Sample X
Site ID CVR3TR1-2 Area Tailings Facility
Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stem + young-green leaf

Average aboveground size of sampled plants 1 ft.

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 10 in.

Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/2 mm - 10 mm, 10 in. long, tan-white

Injury by pathogens or herbivores no

Diameter and length 1/2 - 10 mm, 10 in. long

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR1-3-T04N-PLTSBW Date 05/02/10 12:10

Personnel Dawson, Soellner

Plant type: Shrub X Grass _____ Forb _____

Species Rubber Rabbit Brush

Aboveground Sample _____ Belowground Sample X

Site ID CVR3TR1-3 Area Tailings Facility

Location ~2m from center point

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____

Notes stem + young-green leaf

Average aboveground size of sampled plants 10 in.

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 10 in

Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/2 - 10 mm, 10 in, tan

Injury by pathogens or herbivores no

Diameter and length 1/2 - 10 mm, 10 in.

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-1-T04N-PLTSBW Date 04/29/10 16:30

Personnel Dawson

Plant type: Shrub X Grass Forb

Species Rubber Rabbit Brush

Aboveground Sample Belowground Sample X

Site ID CVR3TR2-1 Area Tailings Facility

Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5

Phenology: Vegetative X Bud Flowering Fruiting Senescing

Notes stems + young-green leaf

Average aboveground size of sampled plants 12-18 in.

Description of Aboveground Samples

Sampling/clipping height

Pathogens (presence, description, prevalence)

Herbivory (presence, description, prevalence) NA

Visible dust

Other Description

Description of Belowground Samples

Sampling depth 8-10 in.

Type of roots: woody rhizomes taproot X fibrous other X lateral (major)

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} ^{4-5 ED}
1mm - 5mm; 7-8 in. long; tan

Injury by pathogens or herbivores no

Diameter and length 1mm - 5mm; 4-5 in. long

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR2-3-T04N-PLTSBW Date 04/29/10 13:30
Personnel Dawson, Gulde, Koch
Plant type: Shrub X Grass _____ Forb _____
Species Rubber Rabbit Brush
Aboveground Sample _____ Belowground Sample X
Site ID CVR3TR2-3 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 6
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stems + young-green leaves

Average aboveground size of sampled plants 2in. - 18in.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) _____
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 9in.
Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X
lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} ^{mm MTS} 1/2 cm - 10 cm, tan

Injury by pathogens or herbivores no

Diameter and length 1/2 cm - 10 cm ; 8 in.

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR3-1-T04N-PLTSBW Date 04/29/10 0840
Personnel Dawson, Gulde, Koch
Plant type: Shrub X Grass _____ Forb _____
Species Rubber Rabbit Brush
Aboveground Sample _____ Belowground Sample X
Site ID CVR3TR3-1 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stems + beginner leaves

Average aboveground size of sampled plants 2-2 1/2 ft.

Description of Aboveground Samples

Sampling/clipping height _____

Pathogens (presence, description, prevalence) _____

Herbivory (presence, description, prevalence) NA

Visible dust _____

Other Description _____

Description of Belowground Samples

Sampling depth 1 ft.

Type of roots: woody _____ rhizomes _____ taproot _____ fibrous _____ other X lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/2 mm - 3 mm, 6 in, beige-white

Injury by pathogens or herbivores no

Diameter and length 1/2 mm - 3 mm, ~6 in.

Notes

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

* collected a
field duplicate
at 09:40

Sample ID CVR3TR3-2-T04D-PLTS BW Date 04/29/10 09:40
Personnel Dawson, Gulde, Koch
Plant type: Shrub X Grass _____ Forb _____
Species Rubber Rabbit Grass
Aboveground Sample _____ Belowground Sample X
Site ID CVR3TR3-2 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes stems + green-young leaves

Average aboveground size of sampled plants 2-2 1/2 ft.

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) NA
Herbivory (presence, description, prevalence) _____
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth 1 ft.
Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X
lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} ^{10 EB} $\frac{1}{2}$ mm - ~~2~~ mm; 8 in.

Injury by pathogens or herbivores no

Diameter and length ^{10 EB} $\frac{1}{2}$ mm - ~~2~~ mm; 8 in. long

Notes roots in tailings

SOP NUMBER 6.0

Plant Sample Collection

Attachment A

PLANT SAMPLE COLLECTION DATA SHEET

Sample ID CVR3TR3-3-T04N-PLTSBW Date 04/29/10 10:50
Personnel Dawson, Gulde, Koch
Plant type: Shrub X Grass _____ Forb _____
Species Rubber Rabbit Brush
Aboveground Sample _____ Belowground Sample X
Site ID CVR3TR3-3 Area Tailings Facility
Location ~2m frm. center pt.

Description of Sampled Vegetation

Number of Individuals in Sample 5
Phenology: Vegetative X Bud _____ Flowering _____ Fruiting _____ Senescing _____
Notes leaf + stem

Average aboveground size of sampled plants _____

Description of Aboveground Samples

Sampling/clipping height _____
Pathogens (presence, description, prevalence) _____
Herbivory (presence, description, prevalence) _____
Visible dust _____
Other Description _____

Description of Belowground Samples

Sampling depth ~10 in.
Type of roots: woody _____ rhizomes _____ taproot X fibrous _____ other X

lateral

SOP NUMBER 6.0

Plant Sample Collection

Description of roots (size, color, mycorrhizae, root nodules) ^{no} ^{no} 1/2mm - 10mm; ~9 in. long

Injury by pathogens or herbivores no

Diameter and length 1/2mm - 10mm, 9 in. long

Notes

roots growing in tailing

SOP NUMBER 1.0**Near Surface Soil Sampling****Attachment A****FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES**

| | | | |
|---|--------------------|-------------|----------|
| Sample Identification: | CVR2TR1-1-T04N-SOL | Date: | 06/01/10 |
| Samplers' Signature: | Lg Best | Time: | 1515 |
| Type of Sample: | Surface: X | Subsurface: | — |
| | Composite: X | Grab: | — |
| Sample Location Coordinates: 105.60682°W 36.71711°N | | | |
| Type of Surface Cover: slightly vegetated | | | |
| Depth Interval: ~ 12 inches | | | |
| Weather Conditions: cloudy, ~35°F | | | |
| Sample Description: | | | |
| Field Soil Description few gravel (~5%); clay-silt | | | |
| USCS Abbreviation SM | | | |
| Color reddish brown | | | |
| Staining no | | | |
| Odor no | | | |
| Moisture damp | | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR2TR3-2-T04N-SOL | | Date: 04/28/10 |
| Samplers' Signature: | | Time: 17:00 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60718°W 36.71559°W | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: >6 in. | | |
| Weather Conditions: windy, ~60°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%), sandy-silt ← tailings present EB | | |
| USCS Abbreviation SM | | |
| Color brown EB light-gray | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 1 | NA |
| | | |
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| QA/QC Samples Collected: |
| Comments: collected bioaccess. sample w/ same ID as well |
| |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--------------|----------------|
| Sample Identification: CVR3TR1-1-T04N-SOL | | Date: 05/02/10 |
| Samplers' Signature: <i>by Best</i> | | Time: 0940 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.606°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~10 in. | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%), clay-silt | | |
| USCS Abbreviation SM | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: FD CVR3TR1-1-T04D-SOL |
| Comments: collected bioaccessability sample w/ same ID |
| |
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SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR3TR1-2-T04N-SOL | | Date: 05/02/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1020 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60587°W 36.7171°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~10 in. | | |
| Weather Conditions: cloudy, ~35°F | | |
| Sample Description: | | |
| Field Soil Description few gravel (~5%), sandy-silt | | |
| USCS Abbreviation SM | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
| |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR3TR1-3-T04N-SOL | | Date: 05/02/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1215 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.605720°W 36.71709°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~ 10 in. | | |
| Weather Conditions: cloudy, -35°F | | |
| Sample Description: | | |
| Field Soil Description few gravel (~5%), clay-silt | | |
| USCS Abbreviation sm | | |
| Color reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--|--------------------------------------|
| Sample Identification: CVR3TR2-1-T04N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Liz Best</i> | | Time: 1640 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60615°W 36.71636°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: ~6 in. | | |
| Weather Conditions: windy, ~50°F | | |
| Sample Description: | | |
| Field Soil Description clay-silt | | |
| USCS Abbreviation sm | | |
| Color light reddish brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
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| QA/QC Samples Collected: |
| Comments: |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | | |
|------------------------------|--|-------------|--------------------------|
| Sample Identification: | CVR3TR2-3-T04N-SOL | Date: | 04/29/10 |
| Samplers' Signature: | <i>Lj Best</i> | Time: | 14:00 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: | <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: | <input type="checkbox"/> |
| Sample Location Coordinates: | 105.605880W 36.716370N | | |
| Type of Surface Cover: | slightly vegetated | | |
| Depth Interval: | 2in - 18in | | |
| Weather Conditions: | windy, ~50°F | | |
| Sample Description: | | | |
| Field Soil Description | some gravel (~30%); silt-clay | | |
| USCS Abbreviation | SM | | |
| Color | brown | | |
| Staining | no | | |
| Odor | no | | |
| Moisture | damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR3TR3-1-T04N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 0840 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60650°W 36.71637°N | | |
| Type of Surface Cover: some gravel (~30%) , sandy- ^{EB} slightly vegetated | | |
| Depth Interval: 6 in - 1 ft. | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description: some gravel (~30%), sandy-silt | | |
| USCS Abbreviation: SM | | |
| Color: brown | | |
| Staining: no | | |
| Odor: no | | |
| Moisture: damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|--------------|----------------|
| Sample Identification: CVR3TR3-2-T04N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 1000 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X | Grab: — |
| Sample Location Coordinates: 105.60636°W 36.71558°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: 6 in. ^{EB} ~1 ft. | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description some gravel (~30%), sandy-silt | | |
| USCS Abbreviation SM | | |
| Color brown | | |
| Staining no | | |
| Odor no | | |
| Moisture damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--|
| QA/QC Samples Collected: |
| Comments: |
| collected due to accessibility w/ same ID ^{EB} |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|--|--------------------------------------|
| Sample Identification: CVR3TR3-3-T04N-SOL | | Date: 04/29/10 |
| Samplers' Signature: <i>by Best</i> | | Time: 1105 |
| Type of Sample: | Surface: <input checked="" type="checkbox"/> | Subsurface: <input type="checkbox"/> |
| | Composite: <input checked="" type="checkbox"/> | Grab: <input type="checkbox"/> |
| Sample Location Coordinates: 105.60623°W 36.71558°N | | |
| Type of Surface Cover: slightly vegetated | | |
| Depth Interval: up to 1 ft. | | |
| Weather Conditions: windy, cloudy, ~40°F | | |
| Sample Description: | | |
| Field Soil Description: some gravel (~30%), sandy silt | | |
| USCS Abbreviation: SM | | |
| Color: brown - gray (from tailing) | | |
| Staining: no | | |
| Odor: no | | |
| Moisture: damp | | |

| Containers | Number | Preservatives |
|------------|--------|---------------|
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |
| | | |

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|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
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| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|------------------|----------------|
| Sample Identification: BA1-T01N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>Kj Best</i> | | Time: 0900 |
| Type of Sample: | Surface: — | Subsurface: X |
| | Composite: X (5) | Grab: — |
| Sample Location Coordinates: <i>see Figure a-3 + field book</i> | | |
| Type of Surface Cover: coble - sand <i>nothing (open face)</i> | | |
| Depth Interval: <i>4 ft + down on face</i> | | |
| Weather Conditions: <i>windy, sunny, ~50°F</i> | | |
| Sample Description: | | |
| Field Soil Description <i>coble - sand</i> | | |
| USCS Abbreviation <i>gravel + sand</i> | | |
| Color <i>gray-brown</i> | | |
| Staining <i>no</i> | | |
| Odor <i>no</i> | | |
| Moisture <i>dry</i> | | |

| Containers | Number | Preservatives |
|----------------------|----------|---------------|
| <i>5 gal. bucket</i> | <i>1</i> | <i>NA</i> |
| <i>4 oz. jar</i> | <i>1</i> | <i>NA</i> |
| | | |
| | | |
| | | |

| |
|---|
| QA/QC Samples Collected: |
| Comments: <i>Energy will also now conduct gradation</i> |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|-------------------------|----------------------|
| Sample Identification: BA2-T01N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>hy Best</i> | | Time: 0910 |
| Type of Sample: | Surface: <i>—</i> | Subsurface: <i>X</i> |
| | Composite: <i>X (5)</i> | Grab: <i>—</i> |
| Sample Location Coordinates: <i>see Figure a-3 + field book</i> | | |
| Type of Surface Cover: <i>nothing (open face)</i> | | |
| Depth Interval: <i>4 ft. + down on face</i> | | |
| Weather Conditions: <i>windy, sunny, ~50°F</i> | | |
| Sample Description: | | |
| Field Soil Description <i>coble-sand</i> | | |
| USCS Abbreviation <i>gravel + sand</i> | | |
| Color <i>gray-brown</i> | | |
| Staining <i>no</i> | | |
| Odor <i>no</i> | | |
| Moisture <i>dry</i> | | |

| Containers | Number | Preservatives |
|--------------|--------|---------------|
| 5 gal bucket | 1 | NA |
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |

| |
|---|
| QA/QC Samples Collected: |
| Comments: <i>Energy will also conduct gradation</i> |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|------------------|----------------|
| Sample Identification: BA3-T01N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 0920 |
| Type of Sample: | Surface: — | Subsurface: X |
| | Composite: X (5) | Grab: — |
| Sample Location Coordinates: see Figure A-3 + field book | | |
| Type of Surface Cover: nothing (open face) | | |
| Depth Interval: 4 ft. + down on face | | |
| Weather Conditions: windy, sunny, ~50°F | | |
| Sample Description: | | |
| Field Soil Description: coble-sand | | |
| USCS Abbreviation: gravel + sand | | |
| Color: gray-brown | | |
| Staining: no | | |
| Odor: no | | |
| Moisture: dry | | |

| Containers | Number | Preservatives |
|---------------|--------|---------------|
| 5 gal. bucket | 1 | NA |
| 4oz jar | 1 | NA |
| | | |
| | | |
| | | |

| |
|--|
| QA/QC Samples Collected: |
| Comments: Energy will also now conduct gradation |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|--|------------------|----------------|
| Sample Identification: BA4-T01N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 0935 |
| Type of Sample: | Surface: - | Subsurface: X |
| | Composite: X (5) | Grab: - |
| Sample Location Coordinates: see Figure a-3 + field book | | |
| Type of Surface Cover: nothing (open face) | | |
| Depth Interval: 4 ft. + down on face | | |
| Weather Conditions: windy, sunny, ~50°F | | |
| Sample Description: | | |
| Field Soil Description: coble-sand | | |
| USCS Abbreviation: gravel + sand | | |
| Color: gray-brown | | |
| Staining: no | | |
| Odor: no | | |
| Moisture: dry | | |

| Containers | Number | Preservatives |
|--------------|--------|---------------|
| 5 gal bucket | 1 | NA |
| 4 oz jar | 1 | NA |
| | | |
| | | |
| | | |

| |
|--|
| QA/QC Samples Collected: |
| Comments: Energy will also now conduct gradation |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|-------------------|----------------|
| Sample Identification: BA5-T01N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 10:15 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X (10) | Grab: — |
| Sample Location Coordinates: see Figure A-3 | | |
| Type of Surface Cover: vegetated | | |
| Depth Interval: 0-6 in. top soil | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description fine sand | | |
| USCS Abbreviation loam | | |
| Color red brown | | |
| Staining no | | |
| Odor no | | |
| Moisture slightly moist | | |

| Containers | Number | Preservatives |
|----------------------------|--------------|--|
| 1/2 gal Ziplock | + | NA not collected EB 04/28/10 |
| 4oz jar | 1 | NA |
| | | |
| | | |
| | | |

| |
|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

SOP NUMBER 1.0

Near Surface Soil Sampling

Attachment A

FIELD SAMPLING DATA SHEET FOR SURFACE MATERIAL SAMPLES

| | | |
|---|-------------------|----------------|
| Sample Identification: BA6-T01N-SOL | | Date: 04/28/10 |
| Samplers' Signature: <i>Ly Best</i> | | Time: 10:40 |
| Type of Sample: | Surface: X | Subsurface: — |
| | Composite: X (10) | Grab: — |
| Sample Location Coordinates: see Figure A-3 | | |
| Type of Surface Cover: vegetated | | |
| Depth Interval: 0-6 in top soil | | |
| Weather Conditions: windy, sunny, ~60°F | | |
| Sample Description: | | |
| Field Soil Description fine sand | | |
| USCS Abbreviation loam | | |
| Color red brown | | |
| Staining no | | |
| Odor no | | |
| Moisture slightly moist | | |

| Containers | Number | Preservatives |
|----------------------------|--------------|--|
| 1/2 gal Ziplock | + | NA not collected EB 04/28/10 |
| 4 oz. jar | 1 | NA |
| | | |
| | | |
| | | |

| |
|--------------------------|
| QA/QC Samples Collected: |
| Comments: |
| |
| |
| |

CMI Soil and Vegetation Sampling Event

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable.

The samples were reported in fifteen data packages (B10051307, 137254, 137214, 137213, 137210, 137208, 137205, 137201, 137171, 137170, 137169, 137168, 137166, 137164, and 137161) and the individual narratives can be found in Section III. All data packages were reviewed for the following parameters: receipt issues, method blanks, continuing calibration blanks, laboratory equipment blanks, and rinsate blanks, holding time, laboratory control sample (LCS) recoveries, matrix spike (MS) recoveries, method duplicate samples, serial dilution results, post-digestion spike recoveries, field duplicate results, internal standard results, surrogate recoveries, initial and continuing calibration, and any issues identified in the laboratory case narrative, as applicable to the method. Full validation (including transcription errors checking, recalculating results, and verifying the calibration) was conducted on two of the fifteen data packages, satisfying the QAPP criterion of 10% of the data packages received per analysis type per sampling event. Note: only the methods that contained raw data were re-calculated (total molybdenum and percent solids).

Section I presents a summary of the quality control (QC) samples collected for this sampling event and any resultant qualification. Section II presents a discussion of precision, accuracy, representativeness, completeness and comparability (PARCC) parameters and sensitivity. And Section III presents the individual data review summaries for the fifteen packages.

Section I – QC Samples

QC samples were collected and analyzed during the sampling event and include samples selected for matrix spike (MS) analysis, field duplicate samples, and rinsate blanks in addition to method-specific QC analyses. An overall assessment for the sampling event data has been conducted. When QC issues accounted for less than 35% of the QC analyses conducted, applicable data qualification was limited to qualification of the parent samples. When QC issues accounted for more than 35% of the QC analyses conducted, applicable data qualification was extended to qualification of all samples.

Matrix Spike

Matrix spike analyses were performed on the samples listed in the table below.

| Sample | Analyses |
|--------------|---|
| Borrow Area | |
| BA1-T01N-SOL | Chemical Characteristics |
| BA2-T01N-SOL | Saturated Paste, Ammonia Oxalate Extractable Metals, Ammonium Acetate Extractable Metals, DTPA Extractable Metals |
| BA4-T01N-SOL | Total Molybdenum |

| Sample | Analyses |
|-------------------------------|------------------|
| Soil/ Tailing from Solar Area | |
| CVR2TR1-1-T04N-SOL | Total Molybdenum |
| CVR3TR3-1-T01N-TLG | |
| CVR3TR1-1-T02N-SOL | |
| CVR2TR1-1-T03N-SOL | |
| CVR1TR3-3-T01N-SOL | |
| CVR1TR1-1-T04N-SOL | |
| Plant from Solar Area | |
| CVR3TR1-2-T02N-PLTGBW | Total Molybdenum |
| CVR3TR1-2-T02N-PLTGAW | |
| CVR3TR1-1-T04N-PLTSBW | |
| CVR3TR1-1-T04N-PLTSAW | |
| CVR1TR3-2-T03N-PLTFAW | |
| CVR1TR3-2-T03N-PLTFBW | |
| CVR1TR1-1-T02N-PLTGAW | |
| CVR1TR1-1-T02N-PLTGBW | |

This number of MS/MSD samples met the required QAPP frequency of 1 set per 20 samples.

As applicable, qualifiers have been applied to the parent samples when the recoveries were outside the laboratory historical limits. In addition, the site-specific MS and MSD results were assessed collectively to evaluate potentially systematic matrix effects and to determine the need for qualification of associated sample results of similar matrix.

The table below presents the analytes where >35% of the MS percent recoveries were outside limits and qualifications have been applied to associated samples. The details of each MS analyses and qualification to parent samples are provided in each individual data review summary.

| Analyte | # of MS Below Control Limits | # of MS Above Control Limits | Total # of MS/MSD | % MS/MSD Outside of Control Limits | Qualification |
|---|---------------------------------------|---------------------------------------|----------------------|---|---|
| Soil/ Tailing from Solar Area (CVR1, CVR2, CVR3 IDs) | | | | | |
| Metals | | | | | |
| Total Molybdenum | 3 | 0 | 6 | 50% | All the soil and tailing total molybdenum results from the solar area were qualified as estimated (U/J MS-L) to reflect the potential low bias. |

= Number MS = Matrix Spike % = Percentage J/UJ = Estimated L – Low Bias

Field Duplicates

The following field duplicate pairs were collected in association with this sampling event:

| Field Duplicate | Analyses |
|-------------------------------|------------------|
| Soil/ Tailing from Solar Area | |
| CVR3TR1-1-T04D-SOL | Total Molybdenum |
| CVR2TR-2-T02D-SOL | |
| CVR2TR2-2-T03D-SOL | |
| CVR1TR3-1-T02D-SOL | |
| CVR1TR1-1-T01D-SOL | |
| CVR1TR1-1-T01D-TLG | |
| CVR1TR2-1-T01D-SOL | |
| CVR1TR2-1-T01D-TLG | |
| Plant from Solar Area | |
| CVR2TR2-2-T03D-PLTFAW | Total Molybdenum |
| CVR2TR2-2-T03D-PLTFBW | |
| CVR3TR3-2-T04D-PLTSAW | |
| CVR3TR3-2-T04D-PLTSBW | |
| CVR2TR1-2-T03D-PLTFAW | |
| CVR2TR1-2-T03D-PLTFBW | |
| CVR1TR3-2-T02D-PLTGAW | |
| CVR1TR3-2-T02D-PLTGBW | |
| CVR1TR2-3-T02D-PLTGAW | |
| CVR1TR2-3-T02D-PLTGBW | |

With the exceptions summarized in the table below, applicable evaluation criteria were satisfied for the seven field duplicate pairs.

| Analyte | Sample Result (mg/Kg) | FD Result (mg/Kg) | RPD ($\pm 50\%$) | Absolute Difference (4X Greater RL) | Total # of FDs | % FDs Outside of Control Limits | Qualification |
|---|-----------------------|-------------------|--------------------|-------------------------------------|----------------|---------------------------------|---|
| Metals - Soil/ Tailing from Solar Area | | | | | | | |
| CVR1TR1-1-T01N-SOL/ CVR1TR1-1-T01D-SOL | | | | | | | |
| Molybdenum | 41.3 | 23.0 | 56 | --- | 8 | 13% | As <35% of the field duplicate results were outside of acceptance limits, data qualification was only extended to the parent samples. The total molybdenum results for the field duplicate pair were qualified as estimated (UJ/J). |

Mg/Kg – Milligrams per Kilogram
UJ/J – Estimated

FD – Field Duplicate

RPD – Relative Percent Difference

RL – Reporting Limit

This number of field duplicates samples met the QAPP frequency of 1 per 20 samples.

Rinsate Blanks

The soil and vegetation samples for this sampling event were not collected with dedicated equipment. Thus, twelve rinsate blanks were collected in association with the soil and vegetation samples. This number of rinsate blanks met the QAPP frequency of 1 per 20 samples per matrix. After accounting for blank contamination, target analytes were not detected in the rinsate blanks.

Section II – PARCC Parameters + Sensitivity

The section below presents precision, accuracy, representativeness, completeness, comparability (i.e., PARCC parameters), and sensitivity with respect to the samples collected for the CMI Soil and Vegetation sampling event.

Precision

Precision is defined as the agreement between a set of replicate measurements without assumption or knowledge of the true value. Precision of laboratory measurements was evaluated by the comparison of method duplicate results and FD results.

The relative percent differences (RPDs) between: 1) 100% of the RPDs between the site-specific method duplicates and 2) >99% of the field duplicate results satisfied the applicable evaluation criterion; indicating acceptable precision was attained with respect to the analytical method and sample matrix.

Accuracy

Approximately 100% of the LCS recoveries and approximately 95% of the site-specific MS recoveries were within the laboratory historical limits indicating acceptable accuracy was attained with respect to the analytical method and sample matrix. Results were not qualified as unusable due to MS recovery failures.

Representativeness

Representativeness is the degree to which data accurately and precisely represent a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness was maintained during the sampling effort by completing all sampling using similar sampling procedures.

Completeness

Completeness is defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for analysis.

Results were not qualified as unusable. The completeness for this program is 100%, satisfying the requirement of 95%.

Comparability

Comparability expresses the confidence with which one data set can be compared to another. Comparability can be related to accuracy and precision because these quantities are measures of data reliability. Data are comparable if collection techniques, measurement procedures, method and reporting are equivalent for the samples within a sample set. To maximize comparability, all samples covered by this report were collected and analyzed in accordance with the QAPP.

As acceptable levels of overall accuracy and precision were attained, the reporting and analyses of the data within these data packages are considered comparable to one another.

Sensitivity

Reporting limits (RLs) are established by the analytical laboratory based on the method detection limits (MDLs) and project RL requirements. The laboratories reported positive results between the MDL and the RL. No results were reported between the MDL and RL. Further action was not necessary.

Section III – Individual Data Review Summaries

- **B10051307**
- **137161**
- **137164**
- **137166**
- **137168**
- **137169**
- **137170**
- **137171**
- **137201**
- **137205**
- **137208**
- **137210**
- **137213**
- **137214**
- **137254**

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137161

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 8th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|--------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR1TR1-1-T01N-SOL | SA | 828744 | S | X ^M |
| CVR1TR1-1-T01N-TLG | SA | 828745 | S | X |
| CVR1TR1-1-T02N-SOL | SA | 828746 | S | X |
| CVR1TR1-2-T01N-SOL | SA | 828747 | S | X |
| CVR1TR1-2-T01N-TLG | SA | 828748 | S | X |
| CVR1TR1-2-T02N-SOL | SA | 828749 | S | X |
| CVR1TR1-3-T01N-SOL | SA | 828750 | S | X |
| CVR1TR1-3-T01N-TLG | SA | 828751 | S | X |
| CVR1TR1-3-T02N-SOL | SA | 828752 | S | X |
| CVR1TR2-1-T01N-SOL | SA | 828753 | S | X |
| CVR1TR2-1-T01N-TLG | SA | 828754 | S | X |
| CVR1TR2-1-T02N-SOL | SA | 828755 | S | X |
| CVR1TR2-2-T01N-SOL | SA | 828756 | S | X |
| CVR1TR2-2-T01N-TLG | SA | 828757 | S | X |
| CVR1TR2-2-T02N-SOL | SA | 828758 | S | X |
| CVR1TR1-1-T01D-SOL | FD | 828759 | S | X |
| CVR1TR1-1-T01D-TLG | FD | 828760 | S | X |

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|--------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR1TR2-1-T01D-SOL | FD | 828761 | S | X |
| CVR1TR2-1-T01D-TLG | FD | 828762 | S | X |
| CVR1TR2-3-T01N-SOL | SA | 828763 | S | X |

Sample Type: SA = Sample FD = Field Duplicate X^M = Matrix spike and/or matrix spike duplicate.
 Matrix: S = Solid
 --- = Not analyzed for this parameter

General Overall Assessment:

| | |
|---|---|
| | Data are usable without qualification. |
| X | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) | No | With the exceptions listed below in Table 1, all blanks were reported as non-detect for the target compounds. |
| Laboratory Performance <ul style="list-style-type: none"> Initial and Continuing Calibration Verifications (ICV/ CCV) | Yes | ICV and CCV analyses were conducted at the proper frequency specified in the QAPP. All target analytes were recovered within the applicable QAPP acceptance ranges. |
| Laboratory Performance <ul style="list-style-type: none"> Laboratory Control Samples (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS percent recoveries and RPDs were within the acceptance limits. Data qualification was not necessary. |
| Internal Standard Areas | Yes | All internal standard areas were within the acceptance limits. |
| Matrix Quality Control <ul style="list-style-type: none"> Matrix Spike (MS) CVR1TR1-1-T01N-SOL (Total Molybdenum) Method Duplicate (MD) | No | With the exception summarized below in Table 2, the MS percent recovery was within the laboratory acceptance limits. When MS issues accounted for less than 35% of the MS analyses conducted, |

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| CVR1TR1-1-T01N-SOL (Percent Solids, Total Molybdenum) | | <p>applicable data qualification was limited to qualification of the parent sample. When >35% of the MS results did not met criteria, evaluation was extended to all associated samples as presented in Section I.</p> <p>The laboratory duplicates met the evaluation criteria. Data qualification was not necessary.</p> |
| Post Digestion Spikes (PDS) CVR1TR1-1-T01N-SOL (Total Molybdenum) | Yes | A post-digestion spike was conducted on sample CVR1TR1-1-T01N-SOL for the 6010B analysis. The total molybdenum recovery for the PDS was within the laboratory determined acceptance range. |
| Serial Dilution (SD) CVR1TR1-1-T01N-SOL (Total Molybdenum) | Yes | A serial dilution analysis was conducted on sample CVR1TR1-1-T01N-SOL for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. The total molybdenum percent difference (%D) between the original sample result and the result obtained from the sample-diluted 1:5 was $\leq 10\%$. |
| Interference Check Standard (ICS) | Yes | <p>All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary.</p> <p>The interferent element iron was present in some of the soil samples in this data package at concentrations greater than or equal to that in the ICSs. As such, these samples were evaluated for positive and negative biases suggested by the ICS A. Data qualification was issued if the absolute value of the ICS A result was greater than the MDL and it suggested a positive or negative bias which accounted for more than 25% of associated sample results or reporting limits. (Note: The ICS A solution only contains the interferent elements [Al, Ca, Mg, and Fe] so any positive or negative result for other analytes is inferred to be a bias potentially caused by one or more of the interferent elements present.) As the total molybdenum ICSA results did not account for more than 25% of the sample total molybdenum results, data qualification was not necessary.</p> |
| Field Quality Control <ul style="list-style-type: none"> • Trip Blank (TB) None • Field Duplicate (FD) CVR1TR1-1-T01D-SOL CVR1TR1-1-T01D-TLG CVR1TR2-1-T01D-SOL CVR1TR2-1-T01D-TLG • Rinsate/ Field Blanks (RB, FBs) RB01-T02N-PLTGAW RB02-T02N-PLTGBW RB03-T02N-SOL RB04-T02N-SOL RB05-T02N-SOL RB06-T02N-PLTGAW RB07-T02N-PLTGBW RB08-T02N-SOL RB09-T03N-PLTFW RB10-T03N-PLTFBW RB11-T03N-SOL RB12-T02N-SOL | Yes | <p>A trip blank was not required for this sampling event.</p> <p>A collective assessment of field duplicates is discussed in the overall assessment (Section I).</p> <p>The rinsate blank results are reported in data package 137171. A collective assessment of rinsate blanks is discussed in the overall assessment (Section I).</p> |
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|--|
| Total Molybdenum | MB | -0.073 | As the absolute value of the method blank concentration was <RL, the sample data were not evaluated for possible total molybdenum blank contamination. |
| | CCB 4 | 1.2 | None. The associated total molybdenum sample results were reported at concentrations >5x the blank contamination. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

Table 2: MS Outliers and Resultant Data Qualification

| Sample | Analyte | MS %R (Limits) | RPD (Limit) | Qualification |
|--------------------|------------------|-------------------------|-------------|--|
| CVR1TR1-1-T01N-SOL | Total Molybdenum | 75.6 (80-120) | --- | As the potential bias was considered to be low, the total molybdenum result for sample CVR1TR1-1-T01N-SOL was qualified as estimated (J MS-L). |

MS – Matrix Spike

%R – Percent Recovery

RPD – Relative Percent Difference

J – Estimated

L- Low Bias

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137164

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 8th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|--------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR1TR2-3-T01N-TLG | SA | 828790 | S | X |
| CVR1TR3-1-T01N-SOL | SA | 828791 | S | X |
| CVR1TR3-1-T02D-SOL | FD | 828792 | S | X |
| CVR1TR3-1-T01N-TLG | SA | 828793 | S | X |
| CVR1TR3-1-T02N-SOL | SA | 828794 | S | X |
| CVR1TR3-1-T03N-SOL | SA | 828795 | S | X |
| CVR1TR3-3-T01N-SOL | SA | 828796 | S | X ^M |
| CVR1TR3-3-T01N-TLG | SA | 828797 | S | X |
| CVR1TR3-3-T02N-SOL | SA | 828798 | S | X |
| CVR1TR3-3-T03N-SOL | SA | 828799 | S | X |
| CVR1TR3-2-T01N-SOL | SA | 828800 | S | X |
| CVR1TR3-2-T01N-TLG | SA | 828801 | S | X |
| CVR1TR3-2-T02N-SOL | SA | 828802 | S | X |
| CVR1TR3-2-T03N-SOL | SA | 828803 | S | X |
| CVR1TR2-3-T02N-SOL | SA | 828804 | S | X |
| CVR2TR1-3-T01N-SOL | SA | 828805 | S | X |
| CVR2TR1-3-T01N-TLG | SA | 828806 | S | X |

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|--------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR2TR1-3-T03N-SOL | SA | 828807 | S | X |
| CVR2TR2-1-T01N-SOL | SA | 828808 | S | X |
| CVR2TR2-1-T01N-TLG | SA | 828809 | S | X |

Sample Type: SA = Sample FD = Field Duplicate X^M = Matrix spike and/or matrix spike duplicate.
Matrix: S = Solid
--- = Not analyzed for this parameter

General Overall Assessment:

| | |
|---|---|
| X | Data are usable without qualification. |
| | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) | No | With the exceptions listed below in Table 1, all blanks were reported as non-detect for the target compounds. |
| Laboratory Performance <ul style="list-style-type: none"> Initial and Continuing Calibration Verifications (ICV/ CCV) | Yes | ICV and CCV analyses were conducted at the proper frequency specified in the QAPP. All target analytes were recovered within the applicable QAPP acceptance ranges. |
| Laboratory Performance <ul style="list-style-type: none"> Laboratory Control Samples (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS percent recoveries and RPDs were within the acceptance limits. Data qualification was not necessary. |
| Internal Standard Areas | Yes | All internal standard areas were within the acceptance limits. |
| Matrix Quality Control <ul style="list-style-type: none"> Matrix Spike (MS) CVR1TR3-3-T01N-SOL (Total Molybdenum) Method Duplicate (MD) | Yes | The MS percent recovery was within the laboratory acceptance limits. Data qualification was not necessary. When MS issues accounted for less than 35% of the MS analyses conducted, |

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| CVR1TR3-3-T01N-SOL (Percent Solids, Total Molybdenum) | | <p>applicable data qualification was limited to qualification of the parent sample. When >35% of the MS results did not met criteria, evaluation was extended to all associated samples as presented in Section I.</p> <p>The laboratory duplicates met the evaluation criteria. Data qualification was not necessary.</p> |
| Post Digestion Spikes (PDS) CVR1TR3-3-T01N-SOL (Total Molybdenum) | Yes | A post-digestion spike was conducted on sample CVR1TR3-3-T01N-SOL for the 6010B analysis. The total molybdenum recovery for the PDS was within the laboratory determined acceptance range. |
| Serial Dilution (SD) CVR1TR3-3-T01N-SOL (Total Molybdenum) | Yes | A serial dilution analysis was conducted on sample CVR1TR3-3-T01N-SOL for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. The total molybdenum percent difference (%D) between the original sample result and the result obtained from the sample-diluted 1:5 was $\leq 10\%$. |
| Interference Check Standard (ICS) | Yes | <p>All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary.</p> <p>The interferent element iron was present in some of the soil samples in this data package at concentrations greater than or equal to that in the ICSs. As such, these samples were evaluated for positive and negative biases suggested by the ICS A. Data qualification was issued if the absolute value of the ICS A result was greater than the MDL and it suggested a positive or negative bias which accounted for more than 25% of associated sample results or reporting limits. (Note: The ICS A solution only contains the interferent elements [Al, Ca, Mg, and Fe] so any positive or negative result for other analytes is inferred to be a bias potentially caused by one or more of the interferent elements present.) As the total molybdenum ICSA results did not account for more than 25% of the sample total molybdenum results, data qualification was not necessary.</p> |
| Field Quality Control <ul style="list-style-type: none"> • Trip Blank (TB) None • Field Duplicate (FD) CVR1TR3-1-T02D-SOL • Rinsate/ Field Blanks (RB, FBs) RB01-T02N-PLTGAW RB02-T02N-PLTGBW RB03-T02N-SOL RB04-T02N-SOL RB05-T02N-SOL RB06-T02N-PLTGAW RB07-T02N-PLTGBW RB08-T02N-SOL RB09-T03N-PLTFAW RB10-T03N-PLTGBW RB11-T03N-SOL RB12-T02N-SOL | Yes | <p>A trip blank was not required for this sampling event.</p> <p>A collective assessment of field duplicates is discussed in the overall assessment (Section I).</p> <p>The rinsate blank results are reported in data package 137171. A collective assessment of rinsate blanks is discussed in the overall assessment (Section I).</p> |
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|---|
| Total Molybdenum | MB | 1.9 | None. The associated total molybdenum sample results were reported at concentrations >5x the blank contamination. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137166

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 9th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|--------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR2TR1-1-T01N-SOL | SA | 828828 | S | X |
| CVR2TR1-1-T01N-TLG | SA | 828829 | S | X |
| CVR2TR1-1-T03N-SOL | SA | 828830 | S | X ^M |
| CVR2TR1-2-T01N-SOL | SA | 828831 | S | X |
| CVR2TR1-2-T01N-TLG | SA | 828832 | S | X |
| CVR2TR1-2-T02N-SOL | SA | 828833 | S | X |
| CVR2TR1-2-T03N-SOL | SA | 828834 | S | X |
| CVR2TR2-1-T02N-SOL | SA | 828835 | S | X |
| CVR2TR2-2-T01N-SOL | SA | 828836 | S | X |
| CVR2TR2-2-T01N-TLG | SA | 828837 | S | X |
| CVR2TR2-2-T02N-SOL | SA | 828838 | S | X |
| CVR2TR2-2-T02D-SOL | FD | 828839 | S | X |
| CVR2TR2-2-T03N-SOL | SA | 828840 | S | X |
| CVR2TR2-2-T03D-SOL | FD | 828841 | S | X |
| CVR2TR2-3-T01N-SOL | SA | 828842 | S | X |
| CVR2TR2-3-T01N-TLG | SA | 828843 | S | X |
| CVR2TR2-3-T02N-SOL | SA | 828844 | S | X |

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|--------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR2TR3-1-T01N-SOL | SA | 828845 | S | X |
| CVR2TR3-1-T01N-TLG | SA | 828846 | S | X |
| CVR2TR3-1-T02N-SOL | SA | 828847 | S | X |

Sample Type: SA = Sample

FD = Field Duplicate

X^M = Matrix spike and/or matrix spike duplicate.

Matrix: S = Solid

--- = Not analyzed for this parameter

General Overall Assessment:

| | |
|---|---|
| | Data are usable without qualification. |
| X | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) | No | With the exceptions listed below in Table 1, all blanks were reported as non-detect for the target compounds. |
| Laboratory Performance <ul style="list-style-type: none"> Initial and Continuing Calibration Verifications (ICV/ CCV) | Yes | ICV and CCV analyses were conducted at the proper frequency specified in the QAPP. All target analytes were recovered within the applicable QAPP acceptance ranges. |
| Laboratory Performance <ul style="list-style-type: none"> Laboratory Control Samples (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS percent recoveries and RPDs were within the acceptance limits. Data qualification was not necessary. |
| Internal Standard Areas | Yes | All internal standard areas were within the acceptance limits. |
| Matrix Quality Control <ul style="list-style-type: none"> Matrix Spike (MS) CVR2TR1-1-T03N-SOL (Total Molybdenum) Method Duplicate (MD) | No | With the exception summarized below in Table 2, the MS percent recovery was within the laboratory acceptance limits. When MS issues accounted for less than 35% of the MS analyses conducted, |

| Review Parameter | Criteria Met? | Comments |
|---|---------------|--|
| CVR2TR1-1-T03N-SOL (Percent Solids, Total Molybdenum) | | <p>applicable data qualification was limited to qualification of the parent sample. When >35% of the MS results did not met criteria, evaluation was extended to all associated samples as presented in Section I.</p> <p>The laboratory duplicates met the evaluation criteria. Data qualification was not necessary.</p> |
| Post Digestion Spikes (PDS) CVR2TR1-1-T03N-SOL | Yes | A post-digestion spike was conducted on sample CVR2TR1-1-T03N-SOL for the 6010B analysis. The total molybdenum recovery for the PDS was within the laboratory determined acceptance range. |
| Serial Dilution (SD) CVR2TR1-1-T03N-SOL | Yes | A serial dilution analysis was conducted on sample CVR2TR1-1-T03N-SOL for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. The total molybdenum percent difference (%D) between the original sample result and the result obtained from the sample-diluted 1:5 was $\leq 10\%$. |
| Interference Check Standard (ICS) | Yes | <p>All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary.</p> <p>The interferent element iron was present in some of the soil samples in this data package at concentrations greater than or equal to that in the ICSs. As such, these samples were evaluated for positive and negative biases suggested by the ICS A. Data qualification was issued if the absolute value of the ICS A result was greater than the MDL and it suggested a positive or negative bias which accounted for more than 25% of associated sample results or reporting limits. (Note: The ICS A solution only contains the interferent elements [Al, Ca, Mg, and Fe] so any positive or negative result for other analytes is inferred to be a bias potentially caused by one or more of the interferent elements present.) As the total molybdenum ICSA results did not account for more than 25% of the sample total molybdenum results, data qualification was not necessary.</p> |
| Field Quality Control <ul style="list-style-type: none"> • Trip Blank (TB) None • Field Duplicate (FD) CVR2TR2-2-T02D-SOL CVR2TR2-2-T03D-SOL • Rinsate/ Field Blanks (RB, FBs) RB01-T02N-PLTGAW RB02-T02N-PLTGBW RB03-T02N-SOL RB04-T02N-SOL RB05-T02N-SOL RB06-T02N-PLTGAW RB07-T02N-PLTGBW RB08-T02N-SOL RB09-T03N-PLTFAW RB10-T03N-PLTFBW RB11-T03N-SOL RB12-T02N-SOL | Yes | <p>A trip blank was not required for this sampling event.</p> <p>A collective assessment of field duplicates is discussed in the overall assessment (Section I).</p> <p>The rinsate blank results are reported in data package 137171. A collective assessment of rinsate blanks is discussed in the overall assessment (Section I).</p> |
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|---|
| Total Molybdenum | CCB 4 | 1.2 | None. The associated total molybdenum sample results were reported at concentrations >5x the blank contamination. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

Table 2: MS Outliers and Resultant Data Qualification

| Sample | Analyte | MS %R (Limits) | RPD (Limit) | Qualification |
|--------------------|------------------|-------------------------|-------------|--|
| CVR2TR1-1-T03N-SOL | Total Molybdenum | 56.6 (80-120) | --- | As the potential bias was considered to be low, the total molybdenum result for sample CVR2TR1-1-T03N-SOL was qualified as estimated (J MS-L). |

MS – Matrix Spike

%R – Percent Recovery

RPD – Relative Percent Difference

J – Estimated

L- Low Bias

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137168

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 9th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|---------------------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR3TR1-1-T01N-SOL | SA | 828857 | S | X |
| CVR3TR1-1-T01N-TLG | SA | 828858 | S | X |
| CVR3TR1-1-T02N-SOL | SA | 828859 | S | X ^M |
| CVR3TR1-1-T04N-SOL ¹ | SA | 828860 | S | X |
| CVR3TR1-1-T04D-SOL | FD | 828861 | S | X |
| CVR3TR1-2-T01N-SOL | SA | 828862 | S | X |
| CVR3TR1-2-T01N-TLG | SA | 828863 | S | X |
| CVR3TR1-2-T02N-SOL | SA | 828864 | S | X |
| CVR3TR1-2-T03N-SOL | SA | 828865 | S | X |
| CVR3TR1-2-T04N-SOL | SA | 828866 | S | X |
| CVR3TR1-3-T01N-SOL | SA | 828867 | S | X |
| CVR3TR1-3-T01N-TLG | SA | 828868 | S | X |
| CVR3TR1-3-T02N-SOL | SA | 828869 | S | X |
| CVR3TR1-3-T03N-SOL | SA | 828870 | S | X |
| CVR3TR1-3-T04N-SOL | SA | 828871 | S | X |
| CVR3TR2-1-T01N-SOL | SA | 828872 | S | X |
| CVR3TR2-1-T01N-TLG | SA | 828873 | S | X |

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|--------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR3TR2-1-T03N-SOL | SA | 828874 | S | X |
| CVR3TR2-1-T04N-SOL | SA | 828875 | S | X |
| CVR3TR2-2-T01N-SOL | SA | 828876 | S | X |

Sample Type: SA = Sample FD = Field Duplicate X^M = Matrix spike and/or matrix spike duplicate.

Matrix: S = Solid

--- = Not analyzed for this parameter

¹ The laboratory inadvertently logged this sample in as sample CVR3TR1-1-T03N-SOL. To reflect the proper nomenclature the database and data sheets have been correct to read CVR3TR1-1-T04N-SOL.

General Overall Assessment:

| | |
|---|---|
| X | Data are usable without qualification. |
| | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) | No | With the exception listed below in Table 1, all blanks were reported as non-detect for the target compounds. |
| Laboratory Performance <ul style="list-style-type: none"> Initial and Continuing Calibration Verifications (ICV/ CCV) | Yes | ICV and CCV analyses were conducted at the proper frequency specified in the QAPP. All target analytes were recovered within the applicable QAPP acceptance ranges. |
| Laboratory Performance <ul style="list-style-type: none"> Laboratory Control Samples (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS percent recoveries and RPDs were within the acceptance limits. Data qualification was not necessary. |
| Internal Standard Areas | Yes | All internal standard areas were within the acceptance limits. |
| Matrix Quality Control <ul style="list-style-type: none"> Matrix Spike (MS) | Yes | The MS percent recovery was within the laboratory acceptance limits. Data qualification was not necessary. |

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| CVR3TR1-1-T02N-SOL (Total Molybdenum) <ul style="list-style-type: none"> Method Duplicate (MD) CVR3TR1-1-T02N-SOL (Percent Solids, Total Molybdenum) | | <p>When MS issues accounted for less than 35% of the MS analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS results did not met criteria, evaluation was extended to all associated samples as presented in Section I.</p> <p>The laboratory duplicates met the evaluation criteria. Data qualification was not necessary.</p> |
| Post Digestion Spikes (PDS) CVR3TR1-1-T02N-SOL | Yes | A post-digestion spike was conducted on sample CVR3TR1-1-T02N-SOL for the 6010B analysis. The total molybdenum recovery for the PDS was within the laboratory determined acceptance range. |
| Serial Dilution (SD) CVR3TR1-1-T02N-SOL | Yes | A serial dilution analysis was conducted on sample CVR3TR1-1-T02N-SOL for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. The total molybdenum percent difference (%D) between the original sample result and the result obtained from the sample-diluted 1:5 was $\leq 10\%$. |
| Interference Check Standard (ICS) | Yes | <p>All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary.</p> <p>The interferent elements iron and calcium were present in some of the soil samples in this data package at concentrations greater than or equal to that in the ICSs. As such, these samples were evaluated for positive and negative biases suggested by the ICS A. Data qualification was issued if the absolute value of the ICS A result was greater than the MDL and it suggested a positive or negative bias which accounted for more than 25% of associated sample results or reporting limits. (Note: The ICS A solution only contains the interferent elements [Al, Ca, Mg, and Fe] so any positive or negative result for other analytes is inferred to be a bias potentially caused by one or more of the interferent elements present.) As the total molybdenum ICSA results did not account for more than 25% of the sample total molybdenum results, data qualification was not necessary.</p> |
| Field Quality Control <ul style="list-style-type: none"> Trip Blank (TB) None <ul style="list-style-type: none"> Field Duplicate (FD) CVR3TR1-1-T04D-SOL <ul style="list-style-type: none"> Rinsate/ Field Blanks (RB, FBs) RB01-T02N-PLTGAW RB02-T02N-PLTGBW RB03-T02N-SOL RB04-T02N-SOL RB05-T02N-SOL RB06-T02N-PLTGAW RB07-T02N-PLTGBW RB08-T02N-SOL RB09-T03N-PLTFW RB10-T03N-PLTFBW RB11-T03N-SOL RB12-T02N-SOL | Yes | <p>A trip blank was not required for this sampling event.</p> <p>A collective assessment of field duplicates is discussed in the overall assessment (Section I).</p> <p>The rinsate blank results are reported in data package 137171. A collective assessment of rinsate blanks is discussed in the overall assessment (Section I).</p> |
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|---|
| Total Molybdenum | CCB 1 | 0.6 | None. The associated total molybdenum sample results were reported at concentrations >5x the blank contamination. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137169

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 9th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|---------------------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR3TR2-2-T01N-TLG | SA | 828877 | S | X |
| CVR3TR2-2-T02N-SOL | SA | 828878 | S | X |
| CVR3TR2-2-T03N-SOL | SA | 828879 | S | X |
| CVR3TR2-3-T01N-SOL | SA | 828880 | S | X |
| CVR3TR2-3-T01N-TLG ¹ | SA | 828881 | S | X |
| CVR3TR2-3-T02N-SOL | SA | 828882 | S | X |
| CVR3TR2-3-T03N-SOL | SA | 828883 | S | X |
| CVR3TR2-3-T04N-SOL | SA | 828884 | S | X |
| CVR3TR3-1-T01N-SOL | SA | 828885 | S | X |
| CVR3TR3-1-T01N-TLG | SA | 828886 | S | X ^M |
| CVR3TR3-1-T02N-SOL | SA | 828887 | S | X |
| CVR3TR3-1-T04N-SOL | SA | 828888 | S | X |
| CVR3TR3-2-T01N-SOL | SA | 828889 | S | X |
| CVR3TR3-2-T01N-TLG | SA | 828890 | S | X |
| CVR3TR3-2-T02N-SOL | SA | 828891 | S | X |
| CVR3TR3-2-T04N-SOL | SA | 828892 | S | X |
| CVR3TR3-3-T01N-SOL | SA | 828893 | S | X |

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|--------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR3TR3-3-T01N-TLG | SA | 828894 | S | X |
| CVR3TR3-3-T02N-SOL | SA | 828895 | S | X |
| CVR3TR3-3-T03N-SOL | SA | 828896 | S | X |

Sample Type: SA = Sample X^M = Matrix spike and/or matrix spike duplicate.

Matrix: S = Solid

--- = Not analyzed for this parameter

¹ The laboratory inadvertently logged this sample in as sample CVR3TR2-3-T01N-SOL. To reflect the proper nomenclature the database and data sheets have been correct to read CVR3TR2-3-T01N-TLG.

General Overall Assessment:

| | |
|---|---|
| | Data are usable without qualification. |
| X | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) | No | With the exception listed below in Table 1, all blanks were reported as non-detect for the target compounds. |
| Laboratory Performance <ul style="list-style-type: none"> Initial and Continuing Calibration Verifications (ICV/ CCV) | Yes | ICV and CCV analyses were conducted at the proper frequency specified in the QAPP. All target analytes were recovered within the applicable QAPP acceptance ranges. |
| Laboratory Performance <ul style="list-style-type: none"> Laboratory Control Samples (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS percent recoveries and RPDs were within the acceptance limits. Data qualification was not necessary. |
| Internal Standard Areas | Yes | All internal standard areas were within the acceptance limits. |
| Matrix Quality Control <ul style="list-style-type: none"> Matrix Spike (MS) | No | With the exception summarized below in Table 2, the MS percent recovery was within the laboratory acceptance limits. |

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| CVR3TR3-1-T01N-TLG (Total Molybdenum) <ul style="list-style-type: none"> Method Duplicate (MD) CVR3TR3-1-T01N-TLG (Percent Solids, Total Molybdenum) | | <p>When MS issues accounted for less than 35% of the MS analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS results did not meet criteria, evaluation was extended to all associated samples as presented in Section I.</p> <p>The laboratory duplicates met the evaluation criteria. Data qualification was not necessary.</p> |
| Post Digestion Spikes (PDS) CVR3TR3-1-T01N-TLG | Yes | A post-digestion spike was conducted on sample CVR3TR3-1-T01N-TLG for the 6010B analysis. The total molybdenum recovery for the PDS was within the laboratory determined acceptance range. |
| Serial Dilution (SD) CVR3TR3-1-T01N-TLG | Yes | A serial dilution analysis was conducted on sample CVR3TR3-1-T01N-TLG for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. The total molybdenum percent difference (%D) between the original sample result and the result obtained from the sample-diluted 1:5 was $\leq 10\%$. |
| Interference Check Standard (ICS) | Yes | <p>All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary.</p> <p>The interferent element iron was present in some of the soil samples in this data package at concentrations greater than or equal to that in the ICSs. As such, these samples were evaluated for positive and negative biases suggested by the ICS A. Data qualification was issued if the absolute value of the ICS A result was greater than the MDL and it suggested a positive or negative bias which accounted for more than 25% of associated sample results or reporting limits. (Note: The ICS A solution only contains the interferent elements [Al, Ca, Mg, and Fe] so any positive or negative result for other analytes is inferred to be a bias potentially caused by one or more of the interferent elements present.) As the total molybdenum ICSA results did not account for more than 25% of the sample total molybdenum results, data qualification was not necessary.</p> |
| Field Quality Control <ul style="list-style-type: none"> Trip Blank (TB) None <ul style="list-style-type: none"> Field Duplicate (FD) None <ul style="list-style-type: none"> Rinsate/ Field Blanks (RB, FBs) RB01-T02N-PLTGAW RB02-T02N-PLTGBW RB03-T02N-SOL RB04-T02N-SOL RB05-T02N-SOL RB06-T02N-PLTGAW RB07-T02N-PLTGBW RB08-T02N-SOL RB09-T03N-PLTFW RB10-T03N-PLTFBW RB11-T03N-SOL RB12-T02N-SOL | Yes | <p>A trip blank was not required for this sampling event.</p> <p>A collective assessment of field duplicates is discussed in the overall assessment (Section I).</p> <p>The rinsate blank results are reported in data package 137171. A collective assessment of rinsate blanks is discussed in the overall assessment (Section I).</p> |
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|---|
| Total Molybdenum | CCB 4 | 0.9 | None. The associated total molybdenum sample results were reported at concentrations >5x the blank contamination. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

Table 2: MS Outliers and Resultant Data Qualification

| Sample | Analyte | MS %R (Limits) | RPD (Limit) | Qualification |
|--------------------|------------------|-------------------------|-------------|--|
| CVR3TR3-1-T01N-TLG | Total Molybdenum | 50.2 (80-120) | --- | As the potential bias was considered to be low, the total molybdenum result for sample CVR3TR3-1-T01N-TLG was qualified as estimated (J MS-L). |

MS – Matrix Spike

%R – Percent Recovery

RPD – Relative Percent Difference

J – Estimated

L- Low Bias

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137170

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 9th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|--------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR2TR1-1-T04N-SOL | SA | 828897 | S | X ^M |
| CVR2TR3-2-T01N-SOL | SA | 828898 | S | X |
| CVR2TR3-2-T01N-TLG | SA | 828899 | S | X |
| CVR2TR3-2-T02N-SOL | SA | 828900 | S | X |
| CVR2TR3-2-T04N-SOL | SA | 828901 | S | X |
| CVR2TR3-3-T01N-SOL | SA | 828902 | S | X |
| CVR2TR3-3-T01N-TLG | SA | 828903 | S | X |
| CVR2TR3-3-T02N-SOL | SA | 828904 | S | X |
| BA5-T01N-SOL | SA | 828905 | S | X |
| BA6-T01N-SOL | SA | 828906 | S | X |
| CVR3TR3-3-T04N-SOL | SA | 828907 | S | X |

Sample Type: SA = Sample X^M = Matrix spike and/or matrix spike duplicate.

Matrix: S = Solid

--- = Not analyzed for this parameter

¹ The laboratory inadvertently logged this sample in as sample CVR3TR2-3-T01N-SOL. To reflect the proper nomenclature the database and data sheets have been correct to read CVR3TR2-3-T01N-TLG.

General Overall Assessment:

| | |
|---|---|
| X | Data are usable without qualification. |
| | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|---|---------------|---|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) | No | With the exception listed below in Table 1, all blanks were reported as non-detect for the target compounds. |
| Laboratory Performance <ul style="list-style-type: none"> Initial and Continuing Calibration Verifications (ICV/CCV) | Yes | ICV and CCV analyses were conducted at the proper frequency specified in the QAPP. All target analytes were recovered within the applicable QAPP acceptance ranges. |
| Laboratory Performance <ul style="list-style-type: none"> Laboratory Control Samples (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS percent recoveries and RPDs were within the acceptance limits. Data qualification was not necessary. |
| Internal Standard Areas | Yes | All internal standard areas were within the acceptance limits. |
| Matrix Quality Control <ul style="list-style-type: none"> Matrix Spike (MS) CVR2TR1-1-T04N-SOL (Total Molybdenum) Method Duplicate (MD) CVR2TR1-1-T04N-SOL (Percent Solids, Total Molybdenum) | Yes | <p>The MS percent recovery was within the laboratory acceptance limits. Data qualification was not necessary.</p> <p>When MS issues accounted for less than 35% of the MS analyses conducted, applicable data qualification was limited to qualification of the parent sample. When $>35\%$ of the MS results did not meet criteria, evaluation was extended to all associated samples as presented in Section I.</p> <p>The laboratory duplicates met the evaluation criteria. Data qualification was not necessary.</p> |
| Post Digestion Spikes (PDS) CVR2TR1-1-T04N-SOL | Yes | A post-digestion spike was conducted on sample CVR2TR1-1-T04N-SOL for the 6010B analysis. The total molybdenum recovery for the PDS was within the laboratory determined acceptance range. |
| Serial Dilution (SD) CVR2TR1-1-T04N-SOL | Yes | A serial dilution analysis was conducted on sample CVR2TR1-1-T04N-SOL for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. The total molybdenum percent difference (%D) between the original sample result and the result obtained from the sample-diluted 1:5 was $\leq 10\%$. |
| Interference Check Standard (ICS) | Yes | <p>All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary.</p> <p>The interferent element iron was present in some of the soil samples in this data package at concentrations greater than or equal to that in the ICSs. As such, these samples were evaluated for positive and negative biases suggested</p> |

| Review Parameter | Criteria Met? | Comments |
|--|---------------|---|
| | | by the ICS A. Data qualification was issued if the absolute value of the ICS A result was greater than the MDL and it suggested a positive or negative bias which accounted for more than 25% of associated sample results or reporting limits. (Note: The ICS A solution only contains the interferent elements [Al, Ca, Mg, and Fe] so any positive or negative result for other analytes is inferred to be a bias potentially caused by one or more of the interferent elements present.) As the total molybdenum ICSA results did not account for more than 25% of the sample total molybdenum results, data qualification was not necessary. |
| Field Quality Control <ul style="list-style-type: none"> • Trip Blank (TB) None • Field Duplicate (FD) None • Rinsate/ Field Blanks (RB, FBs) RB01-T02N-PLTGAW RB02-T02N-PLTGBW RB03-T02N-SOL RB04-T02N-SOL RB05-T02N-SOL RB06-T02N-PLTGAW RB07-T02N-PLTGBW RB08-T02N-SOL RB09-T03N-PLTFAW RB10-T03N-PLTGBW RB11-T03N-SOL RB12-T02N-SOL | Yes | A trip blank was not required for this sampling event. A collective assessment of field duplicates is discussed in the overall assessment (Section I). The rinsate blank results are reported in data package 137171. A collective assessment of rinsate blanks is discussed in the overall assessment (Section I). |
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|---|
| Total Molybdenum | CCB 2 | 1.5 | None. The associated total molybdenum sample results were reported at concentrations >5x the blank contamination. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137171

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 9th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| RB01-T02N-PLTGAW | RB | 828908 | W | X |
| RB02-T02N-PLTGBW | RB | 828909 | W | X |
| RB03-T02N-SOL | RB | 828910 | W | X |
| RB04-T02N-SOL | RB | 828911 | W | X |
| RB05-T02N-SOL | RB | 828912 | W | X |
| RB06-T02N-PLTGAW | RB | 828913 | W | X |
| RB07-T02N-PLTGBW | RB | 828914 | W | X |
| RB08-T02N-SOL | RB | 828915 | W | X |
| RB09-T03N-PLTFAW | RB | 828916 | W | X |
| RB10-T03N-PLTFBW | RB | 828917 | W | X |
| RB11-T03N-SOL | RB | 828918 | W | X |
| RB12-T02N-SOL | RB | 828919 | W | X |

Sample Type: RB = Rinsate Blank

X^M = Matrix spike and/or matrix spike duplicate.

Matrix: W = Water

--- = Not analyzed for this parameter

¹ The laboratory inadvertently logged this sample in as sample CVR3TR2-3-T01N-SOL. To reflect the proper nomenclature the database and data sheets have been correct to read CVR3TR2-3-T01N-TLG.

General Overall Assessment:

| | |
|---|---|
| | Data are usable without qualification. |
| X | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|--|---------------|---|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) | No | With the exception listed below in Table 1, all blanks were reported as non-detect for the target compounds. |
| Laboratory Performance <ul style="list-style-type: none"> Initial and Continuing Calibration Verifications (ICV/ CCV) | Yes | ICV and CCV analyses were conducted at the proper frequency specified in the QAPP. All target analytes were recovered within the applicable QAPP acceptance ranges. |
| Laboratory Performance <ul style="list-style-type: none"> Laboratory Control Samples (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS percent recoveries and RPDs were within the acceptance limits. Data qualification was not necessary. |
| Internal Standard Areas | Yes | All internal standard areas were within the acceptance limits. |
| Matrix Quality Control <ul style="list-style-type: none"> Matrix Spike (MS) None Method Duplicate (MD) None | N/A | As a sample in this data package was not the selected quality control sample, MS and MD results are not included in this report. When MS issues accounted for less than 35% of the MS analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS results did not meet criteria, evaluation was extended to all associated samples as presented in Section I. |
| Post Digestion Spikes (PDS) None | N/A | A post-digestion spike was not conducted on the samples in this data package. |
| Serial Dilution (SD) RB01-T02N-PLTGAW | Yes | A serial dilution analysis was conducted on sample RB01-T02N-PLTGAW for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. As the total molybdenum result for sample RB01-T02N-PLTGAW was not greater than 50 times the MDL, further action was not necessary. |
| Interference Check Standard (ICS) | Yes | All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary. Interferent elements were not present in the water samples in this data package at concentrations greater than or equal to that in the ICSs. Further action was not necessary. |

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| Field Quality Control • Trip Blank (TB) None • Field Duplicate (FD) None • Rinsate/ Field Blanks (RB, FBs) RB01-T02N-PLTGAW RB02-T02N-PLTGBW RB03-T02N-SOL RB04-T02N-SOL RB05-T02N-SOL RB06-T02N-PLTGAW RB07-T02N-PLTGBW RB08-T02N-SOL RB09-T03N-PLTFW RB10-T03N-PLTFBW RB11-T03N-SOL RB12-T02N-SOL | Yes | A trip blank was not required for this sampling event. A collective assessment of field duplicates is discussed in the overall assessment (Section I). After accounting for continuing calibration blank contamination, total molybdenum was not reported in the rinsate blanks. |
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |

N/A – Not Applicable

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|---|
| Total Molybdenum | CCB 4 | 0.9 | The associated sample total molybdenum results reported at concentrations <5x the blank contamination were qualified as non-detect (U CCB-I) at the reported value. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

U – Non-detect

I – Indeterminate Bias

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137201

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 10th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|------------------------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR1TR1-1-T02N-PLTGAW ¹ | SA | 829194 | P | X ^M |
| CVR1TR1-1-T02N-PLTGBW ¹ | SA | 829195 | P | X ^M |
| CVR1TR1-2-T02N-PLTGAW | SA | 829196 | P | X |
| CVR1TR1-2-T02N-PLTGBW | SA | 829197 | P | X |
| CVR1TR1-3-T02N-PLTGAW | SA | 829198 | P | X |
| CVR1TR1-3-T02N-PLTGBW | SA | 829199 | P | X |
| CVR1TR2-1-T02N-PLTGAW | SA | 829200 | P | X |
| CVR1TR2-1-T02N-PLTGBW | SA | 829201 | P | X |
| CVR1TR2-2-T02N-PLTGAW | SA | 829202 | P | X |
| CVR1TR2-2-T02N-PLTGBW | SA | 829203 | P | X |
| CVR1TR2-3-T02N-PLTGAW | SA | 829204 | P | X |
| CVR1TR2-3-T02D-PLTGAW | FD | 829205 | P | X |
| CVR1TR2-3-T02N-PLTGBW | SA | 829206 | P | X |
| CVR1TR2-3-T02D-PLTGBW | FD | 829207 | P | X |
| CVR1TR3-1-T02N-PLTGAW | SA | 829208 | P | X |
| CVR1TR3-1-T02N-PLTGBW | SA | 829209 | P | X |
| CVR1TR3-1-T03N-PLTGAW | SA | 829210 | P | X |

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|-----------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR1TR3-1-T03N-PLTGBW | SA | 829211 | P | X |
| CVR1TR3-2-T02N-PLTGAW | SA | 829212 | P | X |
| CVR1TR3-2-T02D-PLTGBW | FD | 829213 | P | X |
| EQBLK01 | EB | 829214 | P | X |

Sample Type: SA = Sample FD – Field Duplicate EB – Equipment Blank

X^M = Matrix spike and/or matrix spike duplicate.

Matrix: P = Plant Tissue

--- = Not analyzed for this parameter

¹ The laboratory inadvertently logged these samples in as samples CVR1TR11T02N-PLTGAW and CVR1TR11T02N-PLTGBW. To reflect the proper nomenclature the database and data sheets have been correct to read CVR1TR1-1-T02N-PLTGAW and CVR1TR1-1-T02N-PLTGBW.

General Overall Assessment:

| | |
|---|---|
| X | Data are usable without qualification. |
| | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|---|---------------|---|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) Laboratory Equipment Blanks (EBs) EQBLK01 | No | With the exception listed below in Table 1, all blanks were reported as non-detect for the target compounds. The laboratory equipment blank results are used to assess the cleanliness of the laboratory's equipment during the plant tissue homogenization process. The total molybdenum result was reported as non-detect in the laboratory equipment blank. Further action was not necessary. |
| Laboratory Performance <ul style="list-style-type: none"> Initial and Continuing Calibration Verifications (ICV/CCV) | Yes | ICV and CCV analyses were conducted at the proper frequency specified in the QAPP. All target analytes were recovered within the applicable QAPP acceptance ranges. |
| Laboratory Performance <ul style="list-style-type: none"> Laboratory Control Samples (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS percent recoveries and RPDs were within the acceptance limits. Data qualification was not necessary. |

| Review Parameter | Criteria Met? | Comments |
|--|---------------|---|
| | | |
| Internal Standard Areas | Yes | All internal standard areas were within the acceptance limits. |
| Matrix Quality Control <ul style="list-style-type: none"> Matrix Spike (MS) CVR1TR1-1-T02N-PLTGAW (Total Molybdenum) CVR1TR1-1-T02N-PLTGBW (Total Molybdenum) Method Duplicate (MD) CVR1TR1-1-T02N-PLTGAW (Percent Solids, Total Molybdenum) CVR1TR1-1-T02N-PLTGBW (Percent Solids, Total Molybdenum) | Yes | <p>The MS percent recoveries were within the laboratory acceptance limits. Data qualification was not necessary.</p> <p>When MS issues accounted for less than 35% of the MS analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS results did not met criteria, evaluation was extended to all associated samples as presented in Section I.</p> <p>The laboratory duplicates met the evaluation criteria. Data qualification was not necessary.</p> |
| Post Digestion Spikes (PDS) CVR1TR1-1-T02N-PLTGAW CVR1TR1-1-T02N-PLTGBW | Yes | A post-digestion spike was conducted on samples CVR1TR1-1-T02N-PLTGAW and CVR1TR1-1-T02N-PLTGBW for the 6010B analysis. The total molybdenum recoveries for the PDS were within the laboratory determined acceptance range. |
| Serial Dilution (SD) CVR1TR1-1-T02N-PLTGAW CVR1TR1-1-T02N-PLTGBW | Yes | A serial dilution analysis was conducted on samples CVR1TR1-1-T02N-PLTGAW and CVR1TR1-1-T02N-PLTGBW for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. The total molybdenum percent differences (%D) between the original sample results and the results obtained from the sample-diluted 1:5 were $\leq 10\%$. |
| Interference Check Standard (ICS) | Yes | <p>All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary.</p> <p>Interferent elements were not present in the samples in this data package at concentrations greater than or equal to that in the ICSs. Further action was not necessary.</p> |
| Field Quality Control <ul style="list-style-type: none"> Trip Blank (TB) None Field Duplicate (FD) CVR1TR2-3-T02D-PLTGAW CVR1TR2-3-T02D-PLTGBW CVR1TR3-2-T02D-PLTGBW Rinsate/ Field Blanks (RB, FBs) None | Yes | <p>A trip blank was not required for this sampling event.</p> <p>A collective assessment of field duplicates is discussed in the overall assessment (Section I).</p> |
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |

N/A – Not Applicable

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|---|
| Total Molybdenum | CCB 2 | 0.70 | None. The associated sample total molybdenum results were reported at concentrations >5x the blank contamination. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137205

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 10th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|------------------------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR1TR3-2-T02N-PLTGBW | SA | 829219 | P | X |
| CVR1TR3-2-T02D-PLTGBW | FD | 829220 | P | X |
| CVR1TR3-2-T03N-PLTFAW ¹ | SA | 829221 | P | X ^M |
| CVR1TR3-2-T03N-PLTFBW ¹ | SA | 829222 | P | X ^M |
| CVR1TR3-3-T02N-PLTGAW | SA | 829223 | P | X |
| CVR1TR3-3-T02N-PLTGBW | SA | 829224 | P | X |
| CVR1TR3-3-T03N-PLTFAW | SA | 829225 | P | X |
| CVR1TR3-3-T03N-PLTFBW | SA | 829226 | P | X |
| CVR3TR1-1-T02N-PLTGAW | SA | 829227 | P | X |
| CVR3TR1-1-T02N-PLTGBW | SA | 829228 | P | X |
| CVR3TR1-2-T03N-PLTFAW | SA | 829229 | P | X |
| CVR3TR1-2-T03N-PLTFBW | SA | 829230 | P | X |
| CVR3TR1-2-T04N-PLTSAW | SA | 829231 | P | X |
| CVR3TR1-2-T04N-PLTSBW | SA | 829232 | P | X |
| CVR3TR1-3-T02N-PLTGAW | SA | 829233 | P | X |
| CVR3TR1-3-T02N-PLTGBW | SA | 829234 | P | X |
| CVR3TR1-3-T03N-PLTFAW | SA | 829235 | P | X |

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|-----------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR3TR1-3-T03N-PLTFBW | SA | 829236 | P | X |
| CVR3TR1-3-T04N-PLTSBW | SA | 829237 | P | X |
| CVR3TR1-3-T04N-PLTSAW | SA | 829238 | P | X |
| EQBLK01 | EB | 829239 | P | X |

Sample Type: SA = Sample FD – Field Duplicate EB – Equipment Blank

X^M = Matrix spike and/or matrix spike duplicate.

Matrix: P = Plant Tissue

--- = Not analyzed for this parameter

¹ The laboratory inadvertently logged these samples in as samples CVR1TR32T03NPLTGAW and CVR1TR32T03NPLTGBW. To reflect the proper nomenclature the database and data sheets have been correct to read CVR1TR3-2-T03N-PLTGAW and CVR1TR3-2-T03N-PLTGBW.

General Overall Assessment:

| | |
|---|---|
| X | Data are usable without qualification. |
| | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|---|---------------|---|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) Laboratory Equipment Blanks (EBs) EQBLK01 | No | With the exception listed below in Table 1, all blanks were reported as non-detect for the target compounds. The laboratory equipment blank results are used to assess the cleanliness of the laboratory's equipment during the plant tissue homogenization process. The total molybdenum result was reported as non-detect in the laboratory equipment blank. Further action was not necessary. |
| Laboratory Performance <ul style="list-style-type: none"> Initial and Continuing Calibration Verifications (ICV/CCV) | Yes | ICV and CCV analyses were conducted at the proper frequency specified in the QAPP. All target analytes were recovered within the applicable QAPP acceptance ranges. |
| Laboratory Performance <ul style="list-style-type: none"> Laboratory Control Samples (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS percent recoveries and RPDs were within the acceptance limits. Data qualification was not necessary. |

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| | | |
| Internal Standard Areas | Yes | All internal standard areas were within the acceptance limits. |
| Matrix Quality Control <ul style="list-style-type: none"> Matrix Spike (MS) CVR1TR3-2-T03N-PLTFAW (Total Molybdenum) CVR1TR3-2-T03N-PLTFBW (Total Molybdenum) Method Duplicate (MD) CVR1TR3-2-T03N-PLTFAW (Percent Solids, Total Molybdenum) CVR1TR3-2-T03N-PLTFBW (Percent Solids, Total Molybdenum) | Yes | <p>The MS percent recoveries were within the laboratory acceptance limits. Data qualification was not necessary.</p> <p>When MS issues accounted for less than 35% of the MS analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS results did not meet criteria, evaluation was extended to all associated samples as presented in Section I.</p> <p>The total molybdenum laboratory duplicate for sample CVR1TR3-2-T03N-PLTFBW was outside the laboratory RPD acceptance limit of 20% with an RPD of 29%. The QAPP laboratory duplicate evaluation criterion is an RPD of 50%. Therefore, the total molybdenum result for sample CVR1TR3-2-T03N-PLTFBW was not qualified on the basis of laboratory duplicate imprecision.</p> <p>All other laboratory duplicates met the evaluation criteria. Data qualification was not necessary.</p> |
| Post Digestion Spikes (PDS) CVR1TR3-2-T03N-PLTFAW CVR1TR3-2-T03N-PLTFBW | Yes | A post-digestion spike was conducted on samples CVR1TR3-2-T03N-PLTFAW and CVR1TR3-2-T03N-PLTFBW for the 6010B analysis. The total molybdenum recoveries for the PDS were within the laboratory determined acceptance range. |
| Serial Dilution (SD) CVR1TR3-2-T03N-PLTFAW CVR1TR3-2-T03N-PLTFBW | Yes | A serial dilution analysis was conducted on samples CVR1TR3-2-T03N-PLTFAW and CVR1TR3-2-T03N-PLTFBW for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. The total molybdenum percent differences (%D) between the original sample results and the results obtained from the sample-diluted 1:5 were ≤10%. |
| Interference Check Standard (ICS) | Yes | <p>All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary.</p> <p>Interferent elements were not present in the samples in this data package at concentrations greater than or equal to that in the ICSs. Further action was not necessary.</p> |
| Field Quality Control <ul style="list-style-type: none"> Trip Blank (TB) None Field Duplicate (FD) CVR1TR3-2-T02D-PLTGBW Rinsate/ Field Blanks (RB, FBs) None | Yes | <p>A trip blank was not required for this sampling event.</p> <p>A collective assessment of field duplicates is discussed in the overall assessment (Section I).</p> |
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |

N/A – Not Applicable

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|---|
| Total Molybdenum | CCB 1 | 0.9 | None. The associated sample total molybdenum results were reported at concentrations >5x the blank contamination. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137208

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 10th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|------------------------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR3TR1-1-T04N-PLTSAW ¹ | SA | 829265 | P | X ^M |
| CVR3TR2-1-T03N-PLTFAW | SA | 829266 | P | X |
| CVR3TR2-1-T03N-PLTFBW | SA | 829267 | P | X |
| CVR3TR2-1-T04N-PLTSAW | SA | 829268 | P | X |
| CVR3TR2-1-T04N-PLTSBW | SA | 829269 | P | X |
| CVR3TR2-2-T02N-PLTGAW | SA | 829270 | P | X |
| CVR3TR2-2-T02N-PLTGBW | SA | 829271 | P | X |
| CVR3TR2-2-T03N-PLTFAW | SA | 829272 | P | X |
| CVR3TR2-2-T03N-PLTFBW | SA | 829273 | P | X |
| CVR3TR2-3-T02N-PLTGAW | SA | 829274 | P | X |
| CVR3TR2-3-T02N-PLTGBW | SA | 829275 | P | X |
| CVR3TR2-3-T03N-PLTFAW | SA | 829276 | P | X |
| CVR3TR2-3-T03N-PLTFBW | SA | 829277 | P | X |
| CVR3TR2-3-T04N-PLTSAW | SA | 829278 | P | X |
| CVR3TR2-3-T04N-PLTSBW | SA | 829279 | P | X |
| CVR3TR3-1-T02N-PLTGAW | SA | 829280 | P | X |
| CVR3TR3-1-T02N-PLTGBW | SA | 8292801 | P | X |

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|-----------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR3TR3-1-T04N-PLTSAW | SA | 829282 | P | X |
| CVR3TR3-1-T04N-PLTSBW | SA | 829283 | P | X |
| CVR3TR3-2-T02N-PLTGAW | SA | 829284 | P | X |
| EQBLK01 | EB | 829285 | P | X |

Sample Type: SA = Sample FD – Field Duplicate EB – Equipment Blank

X^M = Matrix spike and/or matrix spike duplicate.

Matrix: P = Plant Tissue

--- = Not analyzed for this parameter

¹ The laboratory inadvertently logged this sample in as sample CVR3TR11T04NPLTSAW. To reflect the proper nomenclature the database and data sheets have been correct to read CVR3TR1-1-T04N-PLTSAW.

General Overall Assessment:

| | |
|---|---|
| X | Data are usable without qualification. |
| | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|---|---------------|--|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) Laboratory Equipment Blanks (EBs) EQBLK01 | No | With the exception listed below in Table 1, all blanks were reported as non-detect for the target compounds. The laboratory equipment blank results are used to assess the cleanliness of the laboratory's equipment during the plant tissue homogenization process. The total molybdenum result was reported at a concentration of 0.053 mg/Kg in the laboratory equipment blank. As the associated sample results were reported at concentrations $>5\times$ the blank contamination, data qualification was not necessary. |
| Laboratory Performance <ul style="list-style-type: none"> Initial and Continuing Calibration Verifications (ICV/ CCV) | Yes | ICV and CCV analyses were conducted at the proper frequency specified in the QAPP. All target analytes were recovered within the applicable QAPP acceptance ranges. |

| Review Parameter | Criteria Met? | Comments |
|--|---------------|---|
| Laboratory Performance • Laboratory Control Samples (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS percent recoveries and RPDs were within the acceptance limits. Data qualification was not necessary. |
| Internal Standard Areas | Yes | All internal standard areas were within the acceptance limits. |
| Matrix Quality Control • Matrix Spike (MS) CVR3TR1-1-T04N-PLTSAW (Total Molybdenum) • Method Duplicate (MD) CVR3TR1-1-T04N-PLTSAW (Percent Solids, Total Molybdenum) | Yes | The MS percent recovery was within the laboratory acceptance limits. Data qualification was not necessary. When MS issues accounted for less than 35% of the MS analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS results did not meet criteria, evaluation was extended to all associated samples as presented in Section I. All laboratory duplicates met the evaluation criteria. Data qualification was not necessary. |
| Post Digestion Spikes (PDS) CVR3TR1-1-T04N-PLTSAW | Yes | A post-digestion spike was conducted on sample CVR3TR1-1-T04N-PLTSAW for the 6010B analysis. The total molybdenum recovery for the PDS was within the laboratory determined acceptance range. |
| Serial Dilution (SD) CVR3TR1-1-T04N-PLTSAW | Yes | A serial dilution analysis was conducted on sample CVR3TR1-1-T04N-PLTSAW for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. The total molybdenum percent difference (%D) between the original sample result and the result obtained from the sample-diluted 1:5 was $\leq 10\%$. |
| Interference Check Standard (ICS) | Yes | All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary. Interferent elements were not present in the samples in this data package at concentrations greater than or equal to that in the ICSs. Further action was not necessary. |
| Field Quality Control • Trip Blank (TB) None • Field Duplicate (FD) None • Rinsate/ Field Blanks (RB, FBs) None | Yes | A trip blank was not required for this sampling event. A collective assessment of field duplicates is discussed in the overall assessment (Section I). |
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |

N/A – Not Applicable

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|---|
| Total Molybdenum | CCB 1 | 1.0 | None. The associated sample total molybdenum results were reported at concentrations >5x the blank contamination. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137210

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 10th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|------------------------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR3TR1-1-T04N-PLTSBW ¹ | SA | 829287 | P | X ^M |
| CVR3TR3-2-T02N-PLTGBW | SA | 829288 | P | X |
| CVR3TR3-2-T04N-PLTSAW | SA | 829289 | P | X |
| CVR3TR3-2-T04D-PLTSAW | FD | 829290 | P | X |
| CVR3TR3-2-T04N-PLTSBW | SA | 829291 | P | X |
| CVR3TR3-2-T04D-PLTSBW | FD | 829292 | P | X |
| CVR3TR3-3-T02N-PLTGAW | SA | 829293 | P | X |
| CVR3TR3-3-T02N-PLTGBW | SA | 829294 | P | X |
| CVR3TR3-3-T03N-PLTFAW | SA | 829295 | P | X |
| CVR3TR3-3-T03N-PLTFBW | SA | 829296 | P | X |
| CVR2TR1-1-T04N-PLTSAW | SA | 829297 | P | X |
| CVR2TR1-1-T04N-PLTSBW | SA | 829298 | P | X |
| CVR2TR1-1-T03N-PLTFAW | SA | 829399 | P | X |
| CVR2TR1-1-T03N-PLTFBW | SA | 829300 | P | X |
| CVR2TR1-2-T02N-PLTGAW | SA | 829301 | P | X |
| CVR2TR1-2-T02N-PLTGBW | SA | 829302 | P | X |
| CVR2TR1-2-T03N-PLTFAW | SA | 829303 | P | X |

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|-----------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR2TR1-2-T03D-PLTFAW | FD | 829304 | P | X |
| CVR2TR1-2-T03N-PLTFBW | SA | 829305 | P | X |
| CVR2TR1-2-T03D-PLTFBW | FD | 829306 | P | X |
| EQBLK01 | EB | 829307 | P | X |

Sample Type: SA = Sample FD – Field Duplicate EB – Equipment Blank

X^M = Matrix spike and/or matrix spike duplicate.

Matrix: P = Plant Tissue

--- = Not analyzed for this parameter

¹ The laboratory inadvertently logged this sample in as sample CVR3TR11T04NPLTSBW. To reflect the proper nomenclature the database and data sheets have been correct to read CVR3TR1-1-T04N-PLTSBW.

General Overall Assessment:

| | |
|---|---|
| X | Data are usable without qualification. |
| | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|---|---------------|---|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) Laboratory Equipment Blanks (EBs) EQBLK01 | No | With the exception listed below in Table 1, all blanks were reported as non-detect for the target compounds. The laboratory equipment blank results are used to assess the cleanliness of the laboratory's equipment during the plant tissue homogenization process. The total molybdenum result was reported as non-detect in the laboratory equipment blank. Further action was not necessary. |
| Laboratory Performance <ul style="list-style-type: none"> Initial and Continuing Calibration Verifications (ICV/CCV) | Yes | ICV and CCV analyses were conducted at the proper frequency specified in the QAPP. All target analytes were recovered within the applicable QAPP acceptance ranges. |
| Laboratory Performance <ul style="list-style-type: none"> Laboratory Control Samples (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS percent recoveries and RPDs were within the acceptance limits. Data qualification was not necessary. |

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| | | |
| Internal Standard Areas | Yes | All internal standard areas were within the acceptance limits. |
| Matrix Quality Control <ul style="list-style-type: none"> Matrix Spike (MS) CVR3TR1-1-T04N-PLTSBW (Total Molybdenum) Method Duplicate (MD) CVR3TR1-1-T04N-PLTSBW (Percent Solids, Total Molybdenum) | Yes | <p>The MS percent recovery was within the laboratory acceptance limits. Data qualification was not necessary.</p> <p>When MS issues accounted for less than 35% of the MS analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS results did not met criteria, evaluation was extended to all associated samples as presented in Section I.</p> <p>All laboratory duplicates met the evaluation criteria. Data qualification was not necessary.</p> |
| Post Digestion Spikes (PDS) CVR3TR1-1-T04N-PLTSBW | Yes | A post-digestion spike was conducted on sample CVR3TR1-1-T04N-PLTSBW for the 6010B analysis. The total molybdenum recovery for the PDS was within the laboratory determined acceptance range. |
| Serial Dilution (SD) CVR3TR1-1-T04N-PLTSBW | Yes | A serial dilution analysis was conducted on sample CVR3TR1-1-T04N-PLTSBW for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. The total molybdenum percent difference (%D) between the original sample result and the result obtained from the sample-diluted 1:5 was $\leq 10\%$. |
| Interference Check Standard (ICS) | Yes | <p>All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary.</p> <p>Interferent elements were not present in the samples in this data package at concentrations greater than or equal to that in the ICSs. Further action was not necessary.</p> |
| Field Quality Control <ul style="list-style-type: none"> Trip Blank (TB) None Field Duplicate (FD) CVR3TR3-2-T04D-PLTSAW CVR3TR3-2-T04D-PLTSBW CVR2TR1-2-T03D-PLTFAW CVR2TR1-2-T03D-PLTFBW Rinsate/ Field Blanks (RB, FBs) None | Yes | <p>A trip blank was not required for this sampling event.</p> <p>A collective assessment of field duplicates is discussed in the overall assessment (Section I).</p> |
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |

N/A – Not Applicable

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|---|
| Total Molybdenum | CCB 1 | 0.6 | None. The associated sample total molybdenum results were reported at concentrations >5x the blank contamination. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137213

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 10th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|------------------------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR3TR1-2-T02N-PLTGAW ¹ | SA | 829309 | P | X ^M |
| CVR2TR1-3-T03N-PLTFAW | SA | 829310 | P | X |
| CVR2TR1-3-T03N-PLTFBW | SA | 829311 | P | X |
| CVR2TR2-1-T02N-PLTGAW | SA | 829312 | P | X |
| CVR2TR2-1-T02N-PLTGBW | SA | 829313 | P | X |
| CVR2TR2-2-T02N-PLTGAW | SA | 829314 | P | X |
| CVR2TR2-2-T02N-PLTGBW | SA | 829315 | P | X |
| CVR2TR2-2-T03N-PLTFAW | SA | 829316 | P | X |
| CVR2TR2-2-T03D-PLTFAW | FD | 829317 | P | X |
| CVR2TR2-2-T03N-PLTFBW | SA | 829318 | P | X |
| CVR2TR2-2-T03D-PLTFBW | FD | 829319 | P | X |
| CVR2TR2-3-T02N-PLTGAW | SA | 829320 | P | X |
| CVR2TR2-3-T02N-PLTGBW | SA | 829321 | P | X |
| CVR2TR3-1-T02N-PLTGAW | SA | 829322 | P | X |
| CVR2TR3-1-T02N-PLTBAW | SA | 829323 | P | X |
| CVR2TR3-2-T02N-PLTGAW | SA | 829324 | P | X |
| CVR2TR3-2-T02N-PLTGBW | SA | 829325 | P | X |

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|-----------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR2TR3-2-T04N-PLTSAW | SA | 829326 | P | X |
| CVR2TR3-2-T04N-PLTSBW | SA | 829327 | P | X |
| CVR2TR3-3-T02N-PLTGAW | SA | 829328 | P | X |
| EQBLK01 | EB | 829329 | P | X |

Sample Type: SA = Sample FD – Field Duplicate EB – Equipment Blank

X^M = Matrix spike and/or matrix spike duplicate.

Matrix: P = Plant Tissue

--- = Not analyzed for this parameter

¹ The laboratory inadvertently logged this sample in as sample CVR3TR12T02NPLTGAW. To reflect the proper nomenclature the database and data sheets have been correct to read CVR3TR1-2-T02N-PLTGAW.

General Overall Assessment:

| | |
|---|---|
| X | Data are usable without qualification. |
| | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|---|---------------|---|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) Laboratory Equipment Blanks (EBs) EQBLK01 | No | With the exception listed below in Table 1, all blanks were reported as non-detect for the target compounds. The laboratory equipment blank results are used to assess the cleanliness of the laboratory's equipment during the plant tissue homogenization process. The total molybdenum result was reported as non-detect in the laboratory equipment blank. Further action was not necessary. |
| Laboratory Performance <ul style="list-style-type: none"> Initial and Continuing Calibration Verifications (ICV/CCV) | Yes | ICV and CCV analyses were conducted at the proper frequency specified in the QAPP. All target analytes were recovered within the applicable QAPP acceptance ranges. |
| Laboratory Performance <ul style="list-style-type: none"> Laboratory Control Samples (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS percent recoveries and RPDs were within the acceptance limits. Data qualification was not necessary. |

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| | | |
| Internal Standard Areas | Yes | All internal standard areas were within the acceptance limits. |
| Matrix Quality Control <ul style="list-style-type: none"> Matrix Spike (MS) CVR3TR1-2-T02N-PLTGAW (Total Molybdenum) Method Duplicate (MD) CVR3TR1-2-T02N-PLTGAW (Percent Solids) | Yes | <p>The MS percent recovery was within the laboratory acceptance limits. Data qualification was not necessary.</p> <p>When MS issues accounted for less than 35% of the MS analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS results did not met criteria, evaluation was extended to all associated samples as presented in Section I.</p> <p>All laboratory duplicates met the evaluation criteria. Data qualification was not necessary.</p> |
| Post Digestion Spikes (PDS) CVR3TR1-2-T02N-PLTGAW | Yes | A post-digestion spike was conducted on sample CVR3TR1-2-T02N-PLTGAW for the 6010B analysis. The total molybdenum recovery for the PDS was within the laboratory determined acceptance range. |
| Serial Dilution (SD) CVR3TR1-2-T02N-PLTGAW | Yes | A serial dilution analysis was conducted on sample CVR3TR1-2-T02N-PLTGAW for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. The total molybdenum percent difference (%D) between the original sample result and the result obtained from the sample-diluted 1:5 was $\leq 10\%$. |
| Interference Check Standard (ICS) | Yes | <p>All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary.</p> <p>Interferent elements were not present in the samples in this data package at concentrations greater than or equal to that in the ICSs. Further action was not necessary.</p> |
| Field Quality Control <ul style="list-style-type: none"> Trip Blank (TB) None Field Duplicate (FD) CVR2TR2-2-T03D-PLTFAW CVR2TR2-2-T03D-PLTFBW Rinsate/ Field Blanks (RB, FBs) None | Yes | <p>A trip blank was not required for this sampling event.</p> <p>A collective assessment of field duplicates is discussed in the overall assessment (Section I).</p> |
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |

N/A – Not Applicable

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|---|
| Total Molybdenum | CCB 1 | 1.2 | None. The associated sample total molybdenum results were reported at concentrations >5x the blank contamination. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137214

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 11th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses |
|------------------------------------|-------------|---------------|--------|--------------------------|
| | | | | Total Molybdenum (6010B) |
| CVR3TR1-2-T02N-PLTGBW ¹ | SA | 829330 | P | X ^M |
| CVR2TR3-3-T02N-PLTGBW | SA | 829331 | P | X |
| CVR3TR3-3-T04N-PLTSAW | SA | 829332 | P | X |
| CVR3TR3-3-T04N-PLTSBW | SA | 829333 | P | X |
| EQBLK01 | EB | 829334 | P | X |

Sample Type: SA = Sample EB – Equipment Blank
X^M = Matrix spike and/or matrix spike duplicate.

Matrix: P = Plant Tissue

--- = Not analyzed for this parameter

¹ The laboratory inadvertently logged this sample in as sample CVR3TR12T02NPLTGBW. To reflect the proper nomenclature the database and data sheets have been correct to read CVR3TR1-2-T02N-PLTGBW.

General Overall Assessment:

| | |
|---|---|
| X | Data are usable without qualification. |
| | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|---|---------------|---|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) Laboratory Equipment Blanks (EBs) EQBLK01 | No | <p>With the exception listed below in Table 1, all blanks were reported as non-detect for the target compounds.</p> <p>The laboratory equipment blank results are used to assess the cleanliness of the laboratory's equipment during the plant tissue homogenization process. The total molybdenum result was reported as non-detect in the laboratory equipment blank. Further action was not necessary.</p> |
| Matrix Quality Control <ul style="list-style-type: none"> Matrix Spike (MS) CVR3TR1-2-T02N-PLTGBW (Total Molybdenum) Method Duplicate (MD) CVR3TR1-2-T02N-PLTGBW (Percent Solids, Total Molybdenum) | Yes | <p>The MS percent recovery was within the laboratory acceptance limits. Data qualification was not necessary.</p> <p>When MS issues accounted for less than 35% of the MS analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS results did not meet criteria, evaluation was extended to all associated samples as presented in Section I.</p> <p>All laboratory duplicates met the evaluation criteria. Data qualification was not necessary.</p> |
| Post Digestion Spikes (PDS) CVR3TR1-2-T02N-PLTGBW | Yes | A post-digestion spike was conducted on sample CVR3TR1-2-T02N-PLTGBW for the 6010B analysis. The total molybdenum recovery for the PDS was within the laboratory determined acceptance range. |
| Serial Dilution (SD) CVR3TR1-2-T02N-PLTGBW | Yes | A serial dilution analysis was conducted on sample CVR3TR1-2-T02N-PLTGBW for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. The total molybdenum percent difference (%D) between the original sample result and the result obtained from the sample-diluted 1:5 was $\leq 10\%$. |
| Interference Check Standard (ICS) | Yes | <p>All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary.</p> <p>Interferent elements were not present in the samples in this data package at concentrations greater than or equal to that in the ICSs. Further action was not necessary.</p> |
| Field Quality Control <ul style="list-style-type: none"> Trip Blank (TB) None Field Duplicate (FD) None Rinsate/ Field Blanks (RB, FBs) None | Yes | <p>A trip blank was not required for this sampling event.</p> <p>A collective assessment of field duplicates is discussed in the overall assessment (Section I).</p> |

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |
| Laboratory Performance Review | | |
| Initial Calibration | Yes | Method 6010B (Metals) The correlation coefficient for the curves were >0.995, meeting method requirements. |
| Initial Calibration Verification/Continuing Calibration Verification (ICV/CCV) | Yes | Method 6010B (Metals) ICVs and CCVs were analyzed at the specified frequency. All ICV and CCV recoveries for target analytes were within the applicable acceptance range. Therefore, data qualification based on ICV/CCV recoveries was not necessary. |
| Internal Standard | Yes | All recoveries for the internal standards in field samples for were within the applicable acceptance limits. Therefore, data qualification based on internal standards was not necessary. |
| Laboratory Control Sample (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS recoveries were within the laboratory determined acceptance limits. These results are indicative of an acceptable level of accuracy with respect to the analytical method. |
| Target Compound Identification | Yes | Method 6010B (Metals) The instrument printouts were reviewed. Results obtained for QC check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities agreed with reported concentrations for all samples. No errors in compound identification were found and data qualification was not necessary. |
| Transcription Errors | Yes | Transcription errors were not found in this data package. Data qualification was not necessary. |
| Recalculation | Yes | Calculation or sample quantitation errors were not found in this data package. Data qualification was not necessary. |

N/A – Not Applicable

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|---|
| Total Molybdenum | CCB 1 | 1.0 | None. The associated sample total molybdenum results were reported at concentrations >5x the blank contamination. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

CMI SOIL AND VEGETATION SAMPLING DATA REVIEW SUMMARY

Sample Delivery Groups: 137254

Sampling Date: April and May 2010

Data Reviewer: Liz Best

Date Completed: June 11th, 2010

Peer Reviewer: Sheri O'Connor

Date Completed: June 16th, 2010

This report contains the final results of the data review conducted for the samples collected in April and May 2010 from the tailings facility at the Questa Mine. Samples were sent to TestAmerica (TA) of South Burlington, Vermont for total molybdenum analysis. Four borrow area samples were subcontracted to Energy Laboratories (Energy) of Billings, Montana for soil characterization analyses. TA and Energy conducted the analyses and reported the results in accordance with the requirements of the Chevron Mining, Inc. Questa Mine Sampling Quality Assurance Project Plan Revision 0.0 (QAPP) (URS, April 23, 2010). The data review was conducted in accordance with the Chevron Mining, Inc. Questa Mine Sampling QAPP and evaluation of laboratory criteria, as applicable. The table below summarizes the samples and analyses presented in this data package.

| Field ID | Sample Type | Laboratory ID | Matrix | Analyses | |
|--------------|-------------|---------------|--------|--------------------------|-------------------------------|
| | | | | Total Molybdenum (6010B) | Particle Size (ASTM D422-MOD) |
| BA1-T01N-SOL | SA | 829620 | S | X | X |
| BA2-T01N-SOL | SA | 829621 | S | X | X |
| BA3-T01N-SOL | SA | 829622 | S | X | X |
| BA4-T01N-SOL | SA | 829623 | S | X ^M | X |

Sample Type: SA = Sample

Matrix: S = Solid

--- = Not analyzed for this parameter

X^M = Matrix spike and/or matrix spike duplicate.

General Overall Assessment:

| | |
|---|---|
| X | Data are usable without qualification. |
| | Data are usable with qualification (noted below). |
| | Some or all data are unusable for any purpose (detailed below). |

Case Narrative Comments: All case narrative comments concerning data qualification are noted in the table below.

| Review Parameter | Criteria Met? | Comments |
|---|---------------|--|
| Chain of Custody (COC) & Sample Receipt | Yes | All samples were received intact and under COC. The temperature of the coolers upon receipt were within the $\leq 6^{\circ}\text{C}$ temperature criterion. |
| Holding Times | Yes | All samples were extracted and analyzed within the applicable holding time criteria specified in the QAPP. Data qualification was not required. |
| Laboratory Blanks <ul style="list-style-type: none"> Method Blanks (MB) Initial and Continuing Calibration Blanks (ICB, CCB) Laboratory Equipment Blanks (EBs) EQBLK01 | No | <p>With the exception listed below in Table 1, all blanks were reported as non-detect for the target compounds.</p> <p>The laboratory equipment blank results are used to assess the cleanliness of the laboratory's equipment during the plant tissue homogenization process. A collective assessment of laboratory equipment blanks is discussed in the overall assessment (Section I).</p> |
| Matrix Quality Control <ul style="list-style-type: none"> Matrix Spike (MS) BA4-T01N-SOL (Total Molybdenum) Method Duplicate (MD) BA4-T01N-SOL (Total Molybdenum) | Yes | <p>The MS percent recovery was within the laboratory acceptance limits. Data qualification was not necessary.</p> <p>When MS issues accounted for less than 35% of the MS analyses conducted, applicable data qualification was limited to qualification of the parent sample. When >35% of the MS results did not meet criteria, evaluation was extended to all associated samples as presented in Section I.</p> <p>All laboratory duplicates met the evaluation criteria. Data qualification was not necessary.</p> |
| Post Digestion Spikes (PDS) BA4-T01N-SOL | Yes | A post-digestion spike was conducted on sample BA4-T01N-SOL for the 6010B analysis. The total molybdenum recovery for the PDS was within the laboratory determined acceptance range. |
| Serial Dilution (SD) BA4-T01N-SOL | Yes | A serial dilution analysis was conducted on sample BA4-T01N-SOL for the 6010B analysis. Only the results that were greater than 50 times their respective MDLs were appropriate for comparing to the evaluation criterion. The total molybdenum percent difference (%D) between the original sample result and the result obtained from the sample-diluted 1:5 was $\leq 10\%$. |
| Interference Check Standard (ICS) | Yes | <p>All ICS A and ICS B solution percent recoveries were within the acceptance limits of 80-120%. Therefore, data qualification based on ICS A and ICS B percent recoveries was not necessary.</p> <p>The interferent element iron was present in some of the soil samples in this data package at concentrations greater than or equal to that in the ICSs. As such, these samples were evaluated for positive and negative biases suggested by the ICS A. Data qualification was issued if the absolute value of the ICS A result was greater than the MDL and it suggested a positive or negative bias which accounted for more than 25% of associated sample results or reporting limits. (Note: The ICS A solution only contains the interferent elements [Al, Ca, Mg, and Fe] so any positive or negative result for other analytes is inferred to be a bias potentially caused by one or more of the interferent elements present.) As the total molybdenum ICSA results did not account for more than 25% of the sample total molybdenum results, data qualification was not necessary.</p> |

| Review Parameter | Criteria Met? | Comments |
|--|---------------|--|
| Field Quality Control <ul style="list-style-type: none"> • Trip Blank (TB) None • Field Duplicate (FD) None • Rinsate/ Field Blanks (RB, FBs) None | Yes | A trip blank was not required for this sampling event. A collective assessment of field duplicates is discussed in the overall assessment (Section I). |
| Non-detect results without altered reporting limits (RLs) | Yes | No results were reported as non-detect at elevated reporting limits. |
| Package Completeness | Yes | All results are considered usable as qualified. |
| Laboratory Performance Review | | |
| Initial Calibration | Yes | Method 6010B (Metals) The correlation coefficient for the curves were >0.995, meeting method requirements. |
| Initial Calibration Verification/Continuing Calibration Verification (ICV/CCV) | Yes | Method 6010B (Metals) ICVs and CCVs were analyzed at the specified frequency. All ICV and CCV recoveries for target analytes were within the applicable acceptance range. Therefore, data qualification based on ICV/CCV recoveries was not necessary. |
| Internal Standard | Yes | All recoveries for the internal standards in field samples for were within the applicable acceptance limits. Therefore, data qualification based on internal standards was not necessary. |
| Laboratory Control Sample (LCS) | Yes | One LCS per method per analytical batch was prepared and analyzed. All of the LCS recoveries were within the laboratory determined acceptance limits. These results are indicative of an acceptable level of accuracy with respect to the analytical method. |
| Target Compound Identification | Yes | Method 6010B (Metals) The instrument printouts were reviewed. Results obtained for QC check samples (calibration standards and laboratory control samples) indicate that instrument signals reported were due to the target analytes. Reported signal intensities agreed with reported concentrations for all samples. No errors in compound identification were found and data qualification was not necessary. |
| Transcription Errors | Yes | Transcription errors were not found in this data package. Data qualification was not necessary. |
| Recalculation | Yes | Calculation or sample quantitation errors were not found in this data package. Data qualification was not necessary. |

N/A – Not Applicable

Table 1: Method Blank Outliers and Resultant Data Qualification

| Analyte | MB or CCB | Concentration (µg/L) | Qualified Data |
|------------------|-----------|----------------------|---|
| Total Molybdenum | CCB 2 | 0.7 | None. The associated sample total molybdenum results were reported at concentrations >5x the blank contamination. |

MB –Method Blank

CCB – Continuing Calibration Blank

RL – Reporting Limit

µg/L – Micrograms per Liter

Appendix D
Laboratory Data Packages
(TestAmerica, Energy Laboratory, University of Colorado)

TestAmerica
South Burlington, VT
Extended Data Package

137161

TestAmerica Laboratories, Inc.

May 28, 2010

Ms. Sheri O'Conner
URS Operating Services, Inc.
1099 18th Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: CMI; SDG: 137161

Dear Ms. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137161 | | | |
| 828744 | CVR1TR1-1-T01N-SOL | 04/30/10 | SOIL |
| 828744DP | CVR1TR1-1-T01N-SOLREP | 04/30/10 | SOIL |
| 828744MD | CVR1TR1-1-T01N-SOLMSD | 04/30/10 | SOIL |
| 828745 | CVR1TR1-1-T01N-TLG | 04/30/10 | SOIL |
| 828746 | CVR1TR1-1-T02N-SOL | 05/01/10 | SOIL |
| 828747 | CVR1TR1-2-T01N-SOL | 04/30/10 | SOIL |
| 828748 | CVR1TR1-2-T01N-TLG | 04/30/10 | SOIL |
| 828749 | CVR1TR1-2-T02N-SOL | 05/01/10 | SOIL |
| 828750 | CVR1TR1-3-T01N-SOL | 04/30/10 | SOIL |
| 828751 | CVR1TR1-3-T01N-TLG | 04/30/10 | SOIL |
| 828752 | CVR1TR1-3-T02N-SOL | 05/01/10 | SOIL |
| 828753 | CVR1TR2-1-T01N-SOL | 04/29/10 | SOIL |
| 828754 | CVR1TR2-1-T01N-TLG | 04/29/10 | SOIL |
| 828755 | CVR1TR2-1-T02N-SOL | 05/01/10 | SOIL |
| 828756 | CVR1TR2-2-T01N-SOL | 04/29/10 | SOIL |
| 828757 | CVR1TR2-2-T01N-TLG | 04/29/10 | SOIL |
| 828758 | CVR1TR2-2-T02N-SOL | 05/01/10 | SOIL |
| 828759 | CVR1TR1-1-T01D-SOL | 04/30/10 | SOIL |
| 828760 | CVR1TR1-1-T01D-TLG | 04/30/10 | SOIL |
| 828761 | CVR1TR2-1-T01D-SOL | 04/29/10 | SOIL |
| 828762 | CVR1TR2-1-T01D-TLG | 04/29/10 | SOIL |
| 828763 | CVR1TR2-3-T01N-SOL | 04/29/10 | SOIL |



Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B Tissue

These sample volumes were homogenized prior to analysis via 6010B. The matrix spike recovery failed low (75.6%) outside the quality control criteria for 6010B (80-120%). Please refer to report for details.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joseph Carabillo', is written over a light blue horizontal line.

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|---|------------|
| Chain of Custody | 2 |
| Sample Report Summary Wet Chemistry | 6 |
| Supportive Documentation Wet Chemistry | 28 |
| Sample Report Summary Metals | 31 |
| QC Summary Metals | 53 |
| Supportive Documentation Metals | 75 |
| Sample Preparation Metals | 122 |
| Sample Handling | 125 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody



| Project Name | | Project Number | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|------------------|--|---|--|--------|--|--------|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| Project Manager | | Report CC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address | | FAX # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # | | SAMPLING DATE | | TIME | | MATRIX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature | | DATE | | TIME | | MATRIX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| by Best | | DATE | | TIME | | MATRIX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CMI Soil + Vegetation | | 32241609 | | 02000 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| More Soellner | | 04/30/10 | | 1505 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8181 E Tufts Ave | | 04/30/10 | | 1500 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Denver, CO 80237 | | 05/01/10 | | 1315 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 04/30/10 | | 1525 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 04/30/10 | | 1520 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 05/01/10 | | 1340 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 04/30/10 | | 1550 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 04/30/10 | | 1545 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | DATE | | TIME | | MATRIX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TRI-1-TOIN-SOL | | | | 04/30/10 | | 1505 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TRI-1-TOIN-TLG | | | | 04/30/10 | | 1500 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TRI-1-TOIN-SOL | | | | 05/01/10 | | 1315 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TRI-2-TOIN-SOL | | | | 04/30/10 | | 1525 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TRI-2-TOIN-TLG | | | | 04/30/10 | | 1520 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TRI-2-TOIN-SOL | | | | 05/01/10 | | 1340 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TRI-3-TOIN-SOL | | | | 04/30/10 | | 1550 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TRI-3-TOIN-TLG | | | | 04/30/10 | | 1545 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS | | | | | | | | | | | | | | TURNAROUND REQUIREMENTS | | | | | | | | | | | | REPORT REQUIREMENTS | | | | | | | | | | | | INVOICE INFORMATION | | | | | | | | | | | |
| Inorganic suite includes: | | | | | | | | | | | | | | RUSH (surcharges apply) | | | | | | | | | | | | I. Results Only | | | | | | | | | | | | II. Results + QC Summaries (LCS, DUP, MS/MSD as required) | | | | | | | | | | | |
| | | | | | | | | | | | | | | 24 hr 48 hr 5 day | | | | | | | | | | | | III. Results + QC and Calibration Summaries | | | | | | | | | | | | PO# | | | | | | | | | | | |
| | | | | | | | | | | | | | | X STANDARD WORK ORDER | | | | | | | | | | | | IV. Data Validation Report with Raw Data | | | | | | | | | | | | BILL TO: Sheri O'Connor | | | | | | | | | | | |
| | | | | | | | | | | | | | | REQUESTED FAX DATE | | | | | | | | | | | | Specialized Forms/Custom Report | | | | | | | | | | | | SUBMISSION #: | | | | | | | | | | | |
| | | | | | | | | | | | | | | REQUESTED REPORT DATE | | | | | | | | | | | | Edata Yes No | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | CUSTODY SEALS: Y N | | | | | | | | | | | | per work order | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.8 | | | | | | | | | | | | | | RECEIVED BY | | | | | | | | | | | | RELINQUISHED BY | | | | | | | | | | | | RECEIVED BY | | | | | | | | | | | |
| Signature | | | | | | | | | | | | | | Signature | | | | | | | | | | | | Signature | | | | | | | | | | | | Signature | | | | | | | | | | | |
| Printed Name | | | | | | | | | | | | | | Printed Name | | | | | | | | | | | | Printed Name | | | | | | | | | | | | Printed Name | | | | | | | | | | | |
| Firm | | | | | | | | | | | | | | Firm | | | | | | | | | | | | Firm | | | | | | | | | | | | Firm | | | | | | | | | | | |
| Date/Time | | | | | | | | | | | | | | Date/Time | | | | | | | | | | | | Date/Time | | | | | | | | | | | | Date/Time | | | | | | | | | | | |
| 05/03/10 1500 | | | | | | | | | | | | | | 05/03/10 1015 | | | | | | | | | | | | 05/03/10 1015 | | | | | | | | | | | | 05/03/10 1015 | | | | | | | | | | | |

White and Yellow to lab

Pink - sample management

Cooler of

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

URS Corporation • 8181 E. Tufts Avenue, Denver, CO 80237 • 303-694-2770 • Fax 303-694-3946

PAGE 2 OF 5

| | | | | | | | | | | | | | | | | | | |
|---|-------------------------------|---|------|---|----------------------------|--------------|-----------------------------|--|------|-------|-------|--|------------|------|------------|------------|-----------|--|
| Project Name CMI Soil + Vegetation | | Project Number 22241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | |
| Project Manager Marc Soellner | | Report CC sheri-o'connor@urscorp.com | | | | | | | | | | | | | | | | |
| Company/Address 3181 E Tufts Ave Denver, CO 80237 | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5297 | FAX # (303) 694-3946 (URS) | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | |
| Sampler's Signature Liz Best | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | FOR LAB USE ONLY | SAMPLING DATE | TIME | MATRIX | Total Number of Containers | Total Metals | Inorganic Suite (see notes) | VOCs | BTEX | TPH-G | TPH-D | SVOCs | Pesticides | PCBs | Explosives | PCDD/PCDFs | Herbicide | PRESERVATIVE |
| CVR1TR1-3-T02N-SOL | | 05/01/10 | 1410 | S | 1 | X | | | | | | | | | | | | 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C |
| CVR1TR2-1-T01N-SOL | | 04/29/10 | 1105 | | | | | | | | | | | | | | | |
| CVR1TR2-1-T01N-TLG | | 04/29/10 | 1100 | | | | | | | | | | | | | | | |
| CVR1TR2-1-T02N-SOL | | 05/01/10 | 1120 | | | | | | | | | | | | | | | |
| CVR1TR2-2-T01N-SOL | | 04/29/10 | 1330 | | | | | | | | | | | | | | | |
| CVR1TR2-2-T01N-TLG | | 04/29/10 | 1325 | | | | | | | | | | | | | | | |
| CVR1TR2-2-T02N-SOL | | 05/01/10 | 1045 | | | | | | | | | | | | | | | |
| CVR1TR1-1-T01D-SOL | | 04/30/10 | 1505 | | | | | | | | | | | | | | | FD |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | | | TURNAROUND REQUIREMENTS RUSH (surcharge apply) 24 hr 48 hr 5 day X STANDARD per WORK ORDER REQUESTED FAX DATE | | | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No per work order | | | | INVOICE INFORMATION PO# BILL TO: Sheri O'Connor SUBMISSION #: | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.8 | | | | CUSTODY SEALS Y/N | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | | | |
| RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | |

White and Yellow to lab

Pink - sample management

Cooler _____ of _____



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

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PAGE 3 OF 5

| Project Name | | Project Number | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | |
|-----------------------|------------------|---------------------------|------|---|----------------------------|--------------|------------------|-----------------------------|------|------|-------|-------|-------|------------|------|------------|------------|-----------|---|---------|
| CMI Soil + Vegetation | | 22241609.02000 | | | | | | | | | | | | | | | | | | |
| Project Manager | | Report CC | | | | | | | | | | | | | | | | | | |
| Maya Soellinev | | sheni-o'connor@urcorp.com | | | | | | | | | | | | | | | | | | |
| Company/Address | | | | | | | | | | | | | | | | | | | | |
| 8181 E Tufts Ave | | | | | | | | | | | | | | | | | | | | |
| Denver, CO 80237 | | | | | | | | | | | | | | | | | | | | |
| Phone # | | FAX # | | | | | | | | | | | | | | | | | | |
| (303) 332-5297 | | (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | |
| Sampler's Signature | | Sampler's Printed Name | | | | | | | | | | | | | | | | | | |
| Liz Best | | Liz Best | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | FOR LAB USE ONLY | SAMPLING DATE | TIME | MATRIX | Total Number of Containers | Total Metals | Dissolved Metals | Inorganic Suite (see notes) | VOCs | BTEX | TPH-G | TPH-D | SVOCs | Pesticides | PCBs | Explosives | PCDD/PCDFs | Herbicide | PRESERVATIVE | REMARKS |
| CVR1TR1-T01D-TLG | | 04/20/10 | 1500 | S | 1 | X | | | | | | | | | | | | | 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | |
| CVR1TR2-1-T01D-TLG | | 04/24/10 | 1105 | | | | | | | | | | | | | | | | | |
| CVR1TR2-1-T01D-TLG | | 04/24/10 | 1100 | | | | | | | | | | | | | | | | | |
| CVR1TR2-3-T01N-SOL | | 04/29/10 | 1405 | | | | | | | | | | | | | | | | | |
| CVR1TR2-3-T01N-TLG | | 04/29/10 | 1400 | | | | | | | | | | | | | | | | | |
| CVR1TR3-1-T01N-SOL | | 04/29/10 | 1500 | | | | | | | | | | | | | | | | | |
| CVR1TR3-1-T01D-SOL | | 04/29/10 | 1500 | | | | | | | | | | | | | | | | | |
| CVR1TR3-1-T01N-TLG | | 04/27/10 | 1500 | | | | | | | | | | | | | | | | | |

SPECIAL INSTRUCTIONS/COMMENTS

Inorganic suite includes:

URS Contact: sheni-o'connor@urcorp.com

See SOW ☒ See QAPP ☐

Matrix Key:

W = Water
S = Soil/Sediment
B = Biotin
O = Other

Container Key:

P = Plastic
G = Glass
C = Clear
A = Amber
V = Vial
Z = Ziploc bag
M = Multiple types

TURNAROUND REQUIREMENTS

RUSH (surcharges apply)

24 hr 48 hr 5 day

X STANDARD per work order

REQUESTED FAX DATE

REQUESTED REPORT DATE

REPORT REQUIREMENTS

I. Results Only

II. Results + QC Summaries (LCS, DUP, MS/MSD as required)

III. Results + QC and Calibration Summaries

IV. Data Validation Report with Raw Data

Specialized Forms/Custom Report

Edata Yes No

per work order

INVOICE INFORMATION

PO#

BILL TO: Sheni O'Connor

SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP. 2.8

CUSTODY SEALS: Y N

| RELINQUISHED BY | RECEIVED BY |
|--------------------------|--------------------------|
| Signature: Liz Best | Signature: [Signature] |
| Printed Name: Liz Best | Printed Name: [Name] |
| Firm: URS | Firm: [Firm] |
| Date/Time: 05/03/10 1500 | Date/Time: 05/04/10 1215 |

RECEIVED BY

Signature

Printed Name

Firm

Date/Time

RELINQUISHED BY

Signature

Printed Name

Firm

Date/Time

RECEIVED BY

Signature

Printed Name

Firm

Date/Time

W:\General\Chemistry\COC Forms\URS General.doc 11/20/06 11:52 AM

White and Yellow to lab

Pink - sample management

Cooler _____ of _____



Sample Report Summary – Wet Chemistry

Sample Report Summary

CVR1TR1-1-T01N-SOL

% Solids: 89.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 89.7 | |

WET CHEMISTRY
Duplicate Sample Report Summary

Client Sample No.

CVR1TR1-1-T01N-SOLRE

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137161

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828744DP

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 89.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | Sample Result Conc. Qual. | | Duplicate Sample Result Conc. Qual. | | RPD ¹ |
|--------|-----------------|------------------------|---------------------|-------|---------------------------------|--|---|--|------------------|
| IN623 | Solids, Percent | 05/04/10 | | % | 89.7 | | 89.8 | | 0.1 |

1 - Control Limit for RPD is +/- 20%, unless otherwise specified.

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR1-1-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137161

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828745

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.0 | |

Sample Report Summary

CVR1TR1-1-T02N-SOL

% Solids: 94.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 94.9 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR1-2-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137161

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828747

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 88.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 88.5 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR1-2-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137161

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828748

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 92.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 92.7 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR1-2-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137161

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828749

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 92.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 92.5 | |

Sample Report Summary

CVR1TR1-3-T01N-SOL

% Solids: 93.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 93.2 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR1-3-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137161

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828751

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 89.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 89.9 | |

Sample Report Summary

CVR1TR1-3-T02N-SOL

SDG No.: 137161

Lab Sample ID: 828752

Date Received: 05/04/10

% Solids: 95.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.4 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR2-1-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137161

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828753

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 88.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 88.7 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR2-1-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137161

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828754

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 96.1 | |

Sample Report Summary

CVR1TR2-1-T02N-SOL

% Solids: 96.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 96.4 | |

Sample Report Summary

CVR1TR2-2-T01N-SOL

% Solids: 93.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 93.3 | |

Sample Report Summary

CVR1TR2-2-T02N-SOL

% Solids: 95.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.3 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR1-1-T01D-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137161

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828759

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 90.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 90.9 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR1-1-T01D-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137161

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828760

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 94.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 94.8 | |

Sample Report Summary

CVR1TR2-1-T01D-SOL

% Solids: 94.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 94.5 | |

Sample Report Summary

CVR1TR2-1-T01D-TLG

% Solids: 88.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 88.3 | |

Sample Report Summary

CVR1TR2-3-T01N-SOL

% Solids: 95.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.0 | |



Supportive Documentation – Wet Chemistry



Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

| | | | | | | |
|-------------------------------------|---------|--------------------|---------------------------------------|---------------------------------------|-----------------------|-------------------------|
| Analysis Start Date: 5/4/2010 | | Oven ID: 2 | | Analysis End Date: 5/5/2010 | | |
| Analysis Start Time: 20:20 | | Time In: 21:30 | | Analysis End Time: 10:45 | | |
| Start Analyst: MNT | | Time Out: 10:20 | | End Analyst: MNT | | |
| Start Analyst Signature: <i>MNT</i> | | | | End Analyst Signature: <i>MNT</i> | | |
| | | | | | | |
| LAB ID | Dish ID | Dish Weight (g) | Weight of Dish + Wet Sample (g) | Weight of Dish + Dry Sample (g) | Percent Solids (%) | Percent Moisture (%) |
| 828307 | 1 | 0.97 | 9.11 | 7.35 | 78.4 | 22 |
| 828744 | 2 | 0.99 | 9.53 | 8.65 | 89.7 | 10 |
| 828744DP | 3 | 0.98 | 8.12 | 7.39 | 89.8 | 10 |
| 828745 | 4 | 0.99 | 9.04 | 8.64 | 95.0 | 5 |
| 828746 | 5 | 1.01 | 9.51 | 9.08 | 94.9 | 5 |
| 828747 | 6 | 0.99 | 8.66 | 7.78 | 88.5 | 12 |
| 828748 | 7 | 0.99 | 7.26 | 6.80 | 92.7 | 7 |
| 828749 | 8 | 0.96 | 11.59 | 10.79 | 92.5 | 8 |
| 828750 | 9 | 1.00 | 9.53 | 8.95 | 93.2 | 7 |
| 828751 | 10 | 0.96 | 8.09 | 7.37 | 89.9 | 10 |
| 828752 | 11 | 1.00 | 10.96 | 10.50 | 95.4 | 5 |
| 828753 | 12 | 0.99 | 7.73 | 6.97 | 88.7 | 11 |
| 828754 | 13 | 0.99 | 11.03 | 10.64 | 96.1 | 4 |
| 828755 | 14 | 1.01 | 11.04 | 10.68 | 96.4 | 4 |
| 828756 | 15 | 0.98 | 9.14 | 8.59 | 93.3 | 7 |
| 828757 | 16 | 0.96 | 7.17 | 6.48 | 88.9 | 11 |
| 828758 | 17 | 1.00 | 10.18 | 9.75 | 95.3 | 5 |
| 828759 | 18 | 1.00 | 9.28 | 8.53 | 90.9 | 9 |
| 828760 | 19 | 0.99 | 8.69 | 8.29 | 94.8 | 5 |
| 828761 | 20 | 0.96 | 9.88 | 9.39 | 94.5 | 6 |
| 828762 | 21 | 0.98 | 8.00 | 7.18 | 88.3 | 12 |
| 828763 | 22 | 0.99 | 11.89 | 11.35 | 95.0 | 5 |
| 828790 | 23 | 0.98 | 7.85 | 7.15 | 89.8 | 10 |
| 828791 | 24 | 0.97 | 9.89 | 9.50 | 95.6 | 4 |
| 828792 | 25 | 0.98 | 10.80 | 10.36 | 95.5 | 5 |
| 828793 | 26 | 1.01 | 10.01 | 9.53 | 94.7 | 5 |
| 828794 | 27 | 1.00 | 11.41 | 10.91 | 95.2 | 5 |
| 828795 | 28 | 0.99 | 11.00 | 10.45 | 94.5 | 6 |
| 828796 | 29 | 0.98 | 9.05 | 8.69 | 95.5 | 5 |
| 828796DP | 30 | 0.98 | 9.54 | 9.17 | 95.7 | 4 |

Calculation: Percent Wet Weight =
$$\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161

SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|---------------------|----------------|
| CVR1TR1-1-T01D-SOL | 828759 |
| CVR1TR1-1-T01D-TLG | 828760 |
| CVR1TR1-1-T01N-SOL | 828744 |
| CVR1TR1-1-T01N-SOLD | 828744D |
| CVR1TR1-1-T01N-SOLS | 828744S |
| CVR1TR1-1-T01N-TLG | 828745 |
| CVR1TR1-1-T02N-SOL | 828746 |
| CVR1TR1-2-T01N-SOL | 828747 |
| CVR1TR1-2-T01N-TLG | 828748 |
| CVR1TR1-2-T02N-SOL | 828749 |
| CVR1TR1-3-T01N-SOL | 828750 |
| CVR1TR1-3-T01N-TLG | 828751 |
| CVR1TR1-3-T02N-SOL | 828752 |
| CVR1TR2-1-T01D-SOL | 828761 |
| CVR1TR2-1-T01D-TLG | 828762 |
| CVR1TR2-1-T01N-SOL | 828753 |
| CVR1TR2-1-T01N-TLG | 828754 |
| CVR1TR2-1-T02N-SOL | 828755 |
| CVR1TR2-2-T01N-SOL | 828756 |
| CVR1TR2-2-T01N-TLG | 828757 |
| CVR1TR2-2-T02N-SOL | 828758 |
| CVR1TR2-3-T01N-SOL | 828763 |

Were ICP interelement corrections applied? Yes/No YESWere ICP background corrections applied? Yes/No YESIf yes-were raw data generated before
application of background corrections? Yes/No NOComments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

COVER PAGE - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR1-1-T01D-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828759
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 90.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 23.0 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR1-1-T01D-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828760
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 265 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR1-1-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828744
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 89.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 41.3 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR1-1-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828745
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 249 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TRI-1-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828746
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 63.3 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR1-2-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828747
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 88.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 126 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR1-2-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828748
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 92.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 252 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TRI-2-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828749
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 92.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 43.7 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR1-3-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828750
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 93.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 17.2 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR1-3-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828751
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 89.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 265 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR1-3-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828752
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 40.8 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-1-T01D-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828761
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 74.1 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-1-T01D-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828762
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 88.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 270 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-1-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828753
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 88.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 62.5 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-1-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828754
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 227 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-1-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828755
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 22.0 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-2-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828756
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 93.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 11.3 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-2-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828757
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 88.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 174 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-2-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828758
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 42.6 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-3-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Lab Sample ID: 828763
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 34.0 | | N | P |

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

Form I - IN



QC Summary – Metals

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: SDG No.: 137161
Initial Calibration Source: Inorganic Ventures/Fisher
Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 516.80 | 103.4 | 200.0 | 201.00 | 100.5 | 205.50 | 102.8 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&G SAS No.: SDG No.: 137161
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 207.00 | 103.5 | 203.80 | 101.9 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|------------|------|-------|----|-----------------------|-------|-------|-------|----|
| | True | Found | %R | Initial | | Final | | |
| | True | Found | %R | True | Found | %R | Found | %R |
| Molybdenum | | | | 10.0 | 12.85 | 128.5 | | |

Control Limits: no limits have been established by EPA at this time

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | |
|------------|--------------------------------------|--|-----|---|-----|---|-----|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| | | C | C | C | C | C | C | C | M |
| Molybdenum | 1.1 | B | 0.5 | U | 1.0 | B | 1.0 | B | P |

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | M |
|------------|--------------------------------------|--|---|---|--|--|--|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| Molybdenum | | 1.2 | B | | | | | | P |

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161ICP ID Number: TJA ICAP 7 ICS Source: Inorganic VenturesConcentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|-------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | -1 | 1008.0 | 102.2 | | | |

Form IV - IN

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR1TR1-1-T01N-SOLS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 89.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|---------------------|------|---|---|
| Molybdenum | 80 - 120 | 77.3233 | 41.3251 | 47.64 | 75.6 | N | P |

Comments:

Form V (PART 1) - IN

USEPA-CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR1TR1-1-T01N-SOLA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|---------------------|------|---|---|
| Molybdenum | | 831.90 | | 378.10 | | 500.0 | 90.8 | | P |

Comments: _____

Form V (PART 2) - IN

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR1TR1-1-T01N-SOLD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 89.7 % Solids for Duplicate: 89.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|------------|------------------|------------|---|---------------|---|-----|---|---|
| Molybdenum | | 41.3251 | | 38.9765 | | 5.8 | | P |

Form VI - IN

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&G SAS No.: SDG No.: 137161

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source:

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | |
|------------|----------------|-------|----|---------------|-------|---|-------------|-------|
| | True | Found | %R | True | Found | C | Limits | %R |
| Molybdenum | | | | 50.0 | 53.7 | | 40.0 60.0 | 107.4 |

Form VII - IN

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

CVR1TR1-1-T01N-SOLL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) C | Serial Dilution Result (S) C | % Differ- ence | Q | M |
|------------|-----------------------------------|------------------------------------|-------------------|---|---|
| Molybdenum | 378.10 | 403.70 | 6.8 | | P |

Form IX - IN

USEPA-CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161

ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|------------|---------------------|-------------|----------------|---------------|---|
| Molybdenum | 202.030 | | 10 | 0.47 | P |

Comments: _____

Form X - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&G SAS No.: SDG No.: 137161

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&G SAS No.: SDG No.: 137161

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: SDG No.: 137161ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments: _____

Form XII - IN

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161Method: P

| EPA Sample No. | Preparation Date | Initial Weight (g) | Volume (mL) |
|---------------------|---------------------|-----------------------|----------------|
| CVR1TR1-1-T01D-SOL | 5/26/2010 | 1.03 | 100.0 |
| CVR1TR1-1-T01D-TLG | 5/26/2010 | 1.06 | 100.0 |
| CVR1TR1-1-T01N-SOL | 5/26/2010 | 1.02 | 100.0 |
| CVR1TR1-1-T01N-SOLD | 5/26/2010 | 1.05 | 100.0 |
| CVR1TR1-1-T01N-SOLS | 5/26/2010 | 1.17 | 100.0 |
| CVR1TR1-1-T01N-TLG | 5/26/2010 | 1.10 | 100.0 |
| CVR1TR1-1-T02N-SOL | 5/26/2010 | 1.27 | 100.0 |
| CVR1TR1-2-T01N-SOL | 5/26/2010 | 1.06 | 100.0 |
| CVR1TR1-2-T01N-TLG | 5/26/2010 | 1.02 | 100.0 |
| CVR1TR1-2-T02N-SOL | 5/26/2010 | 1.10 | 100.0 |
| CVR1TR1-3-T01N-SOL | 5/26/2010 | 1.03 | 100.0 |
| CVR1TR1-3-T01N-TLG | 5/26/2010 | 1.02 | 100.0 |
| CVR1TR1-3-T02N-SOL | 5/26/2010 | 1.19 | 100.0 |
| CVR1TR2-1-T01D-SOL | 5/26/2010 | 1.18 | 100.0 |
| CVR1TR2-1-T01D-TLG | 5/26/2010 | 1.29 | 100.0 |
| CVR1TR2-1-T01N-SOL | 5/26/2010 | 1.25 | 100.0 |
| CVR1TR2-1-T01N-TLG | 5/26/2010 | 1.25 | 100.0 |
| CVR1TR2-1-T02N-SOL | 5/26/2010 | 1.23 | 100.0 |
| CVR1TR2-2-T01N-SOL | 5/26/2010 | 1.08 | 100.0 |
| CVR1TR2-2-T01N-TLG | 5/26/2010 | 1.15 | 100.0 |
| CVR1TR2-2-T02N-SOL | 5/26/2010 | 1.22 | 100.0 |
| CVR1TR2-3-T01N-SOL | 5/26/2010 | 1.04 | 100.0 |
| LCSS052610E | 5/26/2010 | 1.00 | 100.0 |
| PBS052610E | 5/26/2010 | 1.00 | 100.0 |

Form XIII - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/27/2010 End Date: 5/27/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | S | N | S | T | U | W |
| | | | | I | O | S | D | T | I | | | | | | | | | | |
| CalibStd-Blk | 1.00 | 11:29 | | | | X | | | | | | | | | | | | | |
| STD7 | 1.00 | 11:33 | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 11:36 | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 11:40 | | | | X | | | | | | | | | | | | | |
| ICV | 1.00 | 11:44 | | | | X | | | | | | | | | | | | | |
| ICB | 1.00 | 11:48 | | | | X | | | | | | | | | | | | | |
| ICSA | 1.00 | 11:52 | | | | X | | | | | | | | | | | | | |
| ICSAB | 1.00 | 11:56 | | | | X | | | | | | | | | | | | | |
| CRI | 1.00 | 12:00 | | | | X | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 12:04 | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 12:08 | | | | X | | | | | | | | | | | | | |
| CCB | 1.00 | 12:11 | | | | X | | | | | | | | | | | | | |
| PBS052610E | 1.00 | 12:15 | | | | X | | | | | | | | | | | | | |
| LCSS052610E | 1.00 | 12:19 | | | | X | | | | | | | | | | | | | |
| CVR1TR1-1-T01N-SOL | 1.00 | 12:23 | | | | X | | | | | | | | | | | | | |
| CVR1TR1-1-T01N-SOL | 5.00 | 12:27 | | | | X | | | | | | | | | | | | | |
| CVR1TR1-1-T01N-SOL | 1.00 | 12:31 | | | | X | | | | | | | | | | | | | |
| CVR1TR1-1-T01N-SOL | 1.00 | 12:35 | | | | X | | | | | | | | | | | | | |
| CVR1TR1-1-T01N-SOL | 1.00 | 12:39 | | | | X | | | | | | | | | | | | | |
| CVR1TR1-1-T01N-TLG | 1.00 | 12:43 | | | | X | | | | | | | | | | | | | |
| CVR1TR1-1-T02N-SOL | 1.00 | 12:47 | | | | X | | | | | | | | | | | | | |
| CVR1TR1-2-T01N-SOL | 1.00 | 12:51 | | | | X | | | | | | | | | | | | | |
| CCV | 1.00 | 12:55 | | | | X | | | | | | | | | | | | | |
| CCB | 1.00 | 12:59 | | | | X | | | | | | | | | | | | | |
| CVR1TR1-2-T01N-TLG | 1.00 | 13:03 | | | | X | | | | | | | | | | | | | |
| CVR1TR1-2-T02N-SOL | 1.00 | 13:07 | | | | X | | | | | | | | | | | | | |
| CVR1TR1-3-T01N-SOL | 1.00 | 13:11 | | | | X | | | | | | | | | | | | | |
| CVR1TR1-3-T01N-TLG | 1.00 | 13:15 | | | | X | | | | | | | | | | | | | |
| CVR1TR1-3-T02N-SOL | 1.00 | 13:19 | | | | X | | | | | | | | | | | | | |
| CVR1TR2-1-T01N-SOL | 1.00 | 13:23 | | | | X | | | | | | | | | | | | | |
| CVR1TR2-1-T01N-TLG | 1.00 | 13:27 | | | | X | | | | | | | | | | | | | |
| CVR1TR2-1-T02N-SOL | 1.00 | 13:31 | | | | X | | | | | | | | | | | | | |
| CVR1TR2-2-T01N-SOL | 1.00 | 13:35 | | | | X | | | | | | | | | | | | | |
| CVR1TR2-2-T01N-TLG | 1.00 | 13:39 | | | | X | | | | | | | | | | | | | |
| CCV | 1.00 | 13:43 | | | | X | | | | | | | | | | | | | |

Form XIV - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137161
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/27/2010 End Date: 5/27/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|--|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I | |
| CCB | 1.00 | 13:47 | | | | | X | | | | | | | | | | | | | |
| CVR1TR2-2-T02N-SOL | 1.00 | 13:51 | | | | | X | | | | | | | | | | | | | |
| CVR1TR1-1-T01D-SOL | 1.00 | 13:55 | | | | | X | | | | | | | | | | | | | |
| CVR1TR1-1-T01D-TLG | 1.00 | 13:59 | | | | | X | | | | | | | | | | | | | |
| CVR1TR2-1-T01D-SOL | 1.00 | 14:03 | | | | | X | | | | | | | | | | | | | |
| CVR1TR2-1-T01D-TLG | 1.00 | 14:07 | | | | | X | | | | | | | | | | | | | |
| CVR1TR2-3-T01N-SOL | 1.00 | 14:11 | | | | | X | | | | | | | | | | | | | |
| CCV | 1.00 | 14:15 | | | | | X | | | | | | | | | | | | | |
| CCB | 1.00 | 14:19 | | | | | X | | | | | | | | | | | | | |



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

TJA ICAP 7
ICP METALS 6010 *B**

Analyzed by: TFS
Reviewed by: *TFS*
QC Review by: *SW*
Date: 5/27/2010
Date: 5/27/10
Date: 5-27-10

QC use: Cal#: Prep# Inst#:

| Seq Sample ID | Analysis Date | Time | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----------------|---------------|----------|----|--------|---------------|------------|------------------|
| 1. CalibStd-Blk | 5/27/2010 | 11:29:10 | 1 | WATER | 052710-01.txt | | <i>Mo</i> |
| 2. STD7 | 5/27/2010 | 11:33:04 | 1 | WATER | 052710-01.txt | | |
| 3. STD8 | 5/27/2010 | 11:36:58 | 1 | WATER | 052710-01.txt | | |
| 4. STD4 | 5/27/2010 | 11:40:57 | 1 | WATER | 052710-01.txt | | |
| 5. ICV1 | 5/27/2010 | 11:44:57 | 1 | WATER | 052710-01.txt | | |
| 6. ICB1 | 5/27/2010 | 11:48:53 | 1 | WATER | 052710-01.txt | | |
| 7. ICSA1 | 5/27/2010 | 11:52:48 | 1 | WATER | 052710-01.txt | | |
| 8. ICSAB1 | 5/27/2010 | 11:56:38 | 1 | WATER | 052710-01.txt | | |
| 9. CRI1 | 5/27/2010 | 12:00:25 | 1 | WATER | 052710-01.txt | | |
| 10. LRV | 5/27/2010 | 12:04:19 | 1 | WATER | 052710-01.txt | | |
| 11. CCV1 | 5/27/2010 | 12:08:10 | 1 | WATER | 052710-01.txt | | |
| 12. CCB1 | 5/27/2010 | 12:11:59 | 1 | WATER | 052710-01.txt | | |
| 13. PBS052610E | 5/27/2010 | 12:15:54 | 1 | SOIL | 052710-01.txt | | |
| 14. LCSS052610E | 5/27/2010 | 12:19:49 | 1 | SOIL | 052710-01.txt | | |
| 15. 828744 | 5/27/2010 | 12:23:43 | 1 | SOIL | 052710-01.txt | | |
| 16. 828744L | 5/27/2010 | 12:27:45 | 5 | WATER | 052710-01.txt | | |
| 17. 828744A | 5/27/2010 | 12:31:38 | 1 | WATER | 052710-01.txt | | |
| 18. 828744MS | 5/27/2010 | 12:35:37 | 1 | SOIL | 052710-01.txt | | |
| 19. 828744DP | 5/27/2010 | 12:39:37 | 1 | SOIL | 052710-01.txt | | |
| 20. 828745 | 5/27/2010 | 12:43:37 | 1 | SOIL | 052710-01.txt | | |
| 21. 828746 | 5/27/2010 | 12:47:38 | 1 | SOIL | 052710-01.txt | | |
| 22. 828747 | 5/27/2010 | 12:51:39 | 1 | SOIL | 052710-01.txt | | |
| 23. CCV2 | 5/27/2010 | 12:55:39 | 1 | WATER | 052710-01.txt | | |
| 24. CCB2 | 5/27/2010 | 12:59:28 | 1 | WATER | 052710-01.txt | | |
| 25. 828748 | 5/27/2010 | 13:03:23 | 1 | SOIL | 052710-01.txt | | |
| 26. 828749 | 5/27/2010 | 13:07:23 | 1 | SOIL | 052710-01.txt | | |
| 27. 828750 | 5/27/2010 | 13:11:24 | 1 | SOIL | 052710-01.txt | | |
| 28. 828751 | 5/27/2010 | 13:15:26 | 1 | SOIL | 052710-01.txt | | |
| 29. 828752 | 5/27/2010 | 13:19:28 | 1 | SOIL | 052710-01.txt | | |
| 30. 828753 | 5/27/2010 | 13:23:30 | 1 | SOIL | 052710-01.txt | | |
| 31. 828754 | 5/27/2010 | 13:27:32 | 1 | SOIL | 052710-01.txt | | |
| 32. 828755 | 5/27/2010 | 13:31:32 | 1 | SOIL | 052710-01.txt | | |
| 33. 828756 | 5/27/2010 | 13:35:32 | 1 | SOIL | 052710-01.txt | | |
| 34. 828757 | 5/27/2010 | 13:39:34 | 1 | SOIL | 052710-01.txt | | |
| 35. CCV3 | 5/27/2010 | 13:43:35 | 1 | WATER | 052710-01.txt | | |
| 36. CCB3 | 5/27/2010 | 13:47:23 | 1 | WATER | 052710-01.txt | | |
| 37. 828758 | 5/27/2010 | 13:51:19 | 1 | SOIL | 052710-01.txt | | |
| 38. 828759 | 5/27/2010 | 13:55:19 | 1 | SOIL | 052710-01.txt | | |
| 39. 828760 | 5/27/2010 | 13:59:15 | 1 | SOIL | 052710-01.txt | | |
| 40. 828761 | 5/27/2010 | 14:03:17 | 1 | SOIL | 052710-01.txt | | |
| 41. 828762 | 5/27/2010 | 14:07:18 | 1 | SOIL | 052710-01.txt | | |
| 42. 828763 | 5/27/2010 | 14:11:20 | 1 | SOIL | 052710-01.txt | | |
| 43. CCV4 | 5/27/2010 | 14:15:23 | 1 | WATER | 052710-01.txt | | |
| 44. CCB4 | 5/27/2010 | 14:19:12 | 1 | WATER | 052710-01.txt | | |

** SWP
5-27-10*

Analytical Review Report

Data File: 052710-01.txt

Date Printed: 5/27/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7
ICP METALS 6010

Analysis Start Date: 5/27/2010

Analysis End Date: 5/27/2010

Start Time: 11:29:1

End Time: 14:19:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|---------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.001 | 0.000 | 0.000 | 21.91 | 0.0009 | | | | |
| STD4 | 1 | | 0.803 | 0.000 | 0.000 | 0.58 | 0.80 | | | | |
| ICV1 | 1 | PASS | 516.800 | 515.000 | 518.600 | 0.50 | 516.80 | 103.4 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 1.107 | 1.485 | 0.730 | 48.22 | 1.1 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | -1.266 | -1.264 | -1.268 | 0.18 | -1 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 1008.000 | 1003.000 | 1012.000 | 0.62 | 1008.0 | 102.2 | 986 | 80 | 120 |
| CRI1 | 1 | PASS | 12.850 | 13.100 | 12.610 | 2.67 | 12.85 | 128.5 | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 201.000 | 200.200 | 201.700 | 0.52 | 201.00 | 100.5 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | -0.030 | 0.147 | -0.207 | 825.10 | 0.0 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 205.500 | 205.400 | 205.500 | 0.03 | 205.50 | 102.8 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.995 | 1.125 | 0.866 | 18.42 | 1.0 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 207.000 | 206.500 | 207.400 | 0.33 | 207.00 | 103.5 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 1.013 | 1.297 | 0.730 | 39.55 | 1.0 | | | | +/-10.00 |
| CCV4 | 1 | PASS | 203.800 | 204.100 | 203.500 | 0.21 | 203.80 | 101.9 | 200.0 | 90 | 110 |
| CCB4 | 1 | PASS | 1.227 | 1.260 | 1.194 | 3.83 | 1.2 | | | | +/-10.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| LRV | 1 | PASS | -1.792 | -1.416 | -2.169 | 29.70 | -1.8 | | | | |
| PBS052610E | 1 | PASS | -0.731 | -0.488 | -0.973 | 46.98 | -0.073 | | | | +/-10.00 |
| LCSS052610E | 1 | PASS | 537.100 | 535.700 | 538.500 | 0.37 | 53.7 | 107.4 | 50.0 | 40.0 | 60.0 |
| 828744 | 1 | PASS | 378.100 | 377.400 | 378.800 | 0.27 | 41.3 | | | | |
| 828744L | 5 | PASS | 403.700 | 401.900 | 405.500 | 0.63 | 403.70 | | | | |
| 828744A | 1 | PASS | 831.900 | 831.800 | 832.000 | 0.01 | 831.90 | 90.8 | 500.0 | 80 | 120 |
| 828744MS | 1 | FAIL | 811.500 | 809.400 | 813.600 | 0.37 | 77.3233 | 75.6 | 47.64 | 80 | 120 |
| 828744DP | 1 | PASS | 367.100 | 367.000 | 367.300 | 0.06 | 38.9765 | | | | |
| 828745 | 1 | PASS | 2604.000 | 2600.000 | 2607.000 | 0.18 | 249 | | | | |
| 828746 | 1 | PASS | 763.500 | 763.800 | 763.300 | 0.04 | 63.3 | | | | |
| 828747 | 1 | PASS | 1180.000 | 1178.000 | 1181.000 | 0.16 | 126 | | | | |
| 828748 | 1 | PASS | 2382.000 | 2375.000 | 2388.000 | 0.40 | 252 | | | | |
| 828749 | 1 | PASS | 444.400 | 444.500 | 444.300 | 0.04 | 43.7 | | | | |
| 828750 | 1 | PASS | 165.300 | 165.300 | 165.300 | 0.01 | 17.2 | | | | |
| 828751 | 1 | PASS | 2429.000 | 2429.000 | 2430.000 | 0.03 | 265 | | | | |
| 828752 | 1 | PASS | 463.300 | 464.100 | 462.600 | 0.22 | 40.8 | | | | |
| 828753 | 1 | PASS | 692.700 | 692.300 | 693.200 | 0.09 | 62.5 | | | | |
| 828754 | 1 | PASS | 2722.000 | 2713.000 | 2731.000 | 0.46 | 227 | | | | |
| 828755 | 1 | PASS | 261.100 | 261.600 | 260.700 | 0.24 | 22.0 | | | | |
| 828756 | 1 | PASS | 113.900 | 113.900 | 113.800 | 0.06 | 11.3 | | | | |
| 828757 | 1 | PASS | 1782.000 | 1776.000 | 1788.000 | 0.49 | 174 | | | | |
| 828758 | 1 | PASS | 495.600 | 494.300 | 496.900 | 0.36 | 42.6 | | | | |
| 828759 | 1 | PASS | 215.300 | 215.100 | 215.400 | 0.12 | 23.0 | | | | |
| 828760 | 1 | PASS | 2664.000 | 2664.000 | 2664.000 | 0.02 | 265 | | | | |
| 828761 | 1 | PASS | 826.800 | 825.700 | 827.900 | 0.19 | 74.1 | | | | |
| 828762 | 1 | PASS | 3081.000 | 3070.000 | 3091.000 | 0.47 | 270 | | | | |
| 828763 | 1 | PASS | 335.900 | 336.800 | 335.000 | 0.39 | 34.0 | | | | |

Sample Name: CalibStd-Blk Acquired: 5/27/2010 11:29:10 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0080 | -0.0002 | .0004 | .0003 | -0.0004 |
| Stddev | .0020 | .0012 | .0003 | .0003 | .0000 |
| %RSD | 25.51 | 580.9 | 68.40 | 83.10 | 4.832 |
| #1 | -0.0065 | -0.0011 | .0002 | .0001 | -0.0004 |
| #2 | -0.0094 | .0007 | .0006 | .0006 | -0.0004 |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0017 | .0002 | -0.0028 | -0.0031 | -0.0006 |
| Stddev | .0010 | .0011 | .0005 | .0003 | .0001 |
| %RSD | 58.82 | 486.0 | 17.26 | 10.70 | 19.19 |
| #1 | -0.0010 | -0.0005 | -0.0032 | -0.0029 | -0.0005 |
| #2 | -0.0024 | .0010 | -0.0025 | -0.0034 | -0.0007 |
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0567 | -0.0081 | -0.0238 | .0001 | .0006 |
| Stddev | .0008 | .0005 | .0007 | .0011 | .0004 |
| %RSD | 1.497 | 5.641 | 2.781 | 1731. | 71.91 |
| #1 | .0561 | -0.0084 | -0.0243 | -0.0007 | .0003 |
| #2 | .0573 | -0.0078 | -0.0234 | .0008 | .0009 |

Sample Name: CalibStd-Blk Acquired: 5/27/2010 11:29:10 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|----------------|---------------|----------------|----------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0009 | -0.0305 | .0032 | .0000 | -0.0059 |
| Stddev | .0002 | .0049 | .0002 | .0005 | .0052 |
| %RSD | 21.91 | 16.02 | 7.011 | 1413. | 88.24 |
| #1 | .0011 | -0.0271 | .0034 | -0.0003 | -0.0096 |
| #2 | .0008 | -0.0340 | .0031 | .0004 | -0.0022 |
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0004 | .0016 | .0796 | .0002 | .0109 |
| Stddev | .0001 | .0003 | .0058 | .0002 | .0011 |
| %RSD | 20.11 | 21.02 | 7.278 | 95.75 | 10.01 |
| #1 | .0004 | .0018 | .0837 | .0003 | .0102 |
| #2 | .0003 | .0013 | .0755 | .0001 | .0117 |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | |
| Avg | -0.0114 | .0010 | -0.0016 | .0028 | |
| Stddev | .0021 | .0009 | .0003 | .0000 | |
| %RSD | 18.77 | 90.50 | 18.10 | .9845 | |
| #1 | -0.0130 | .0017 | -0.0018 | .0027 | |
| #2 | -0.0099 | .0004 | -0.0014 | .0028 | |

Sample Name: CalibStd-Blk Acquired: 5/27/2010 11:29:10 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 452.10 | 3916.1 | 4139.5 | 5264.7 |
| Stddev | 2.35 | 1.7 | 8.2 | 21.4 |
| %RSD | .51973 | .04430 | .19691 | .40596 |
| #1 | 453.76 | 3917.3 | 4145.2 | 5279.8 |
| #2 | 450.44 | 3914.9 | 4133.7 | 5249.6 |

Analyst: JFS

Sample Name: STD7 Acquired: 5/27/2010 11:33:04 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 { 85} | 318.128 {106} | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.756 | .8046 | 9.232 | 1.817 | .9312 |
| Stddev | .003 | .0001 | .010 | .003 | .0013 |
| %RSD | .1158 | .0179 | .1070 | .1595 | .1353 |
| #1 | 2.758 | .8047 | 9.239 | 1.819 | .9303 |
| #2 | 2.754 | .8045 | 9.225 | 1.815 | .9321 |

| | |
|--------|---------------|
| Elem | Na-LL |
| Line | 589.592 { 57} |
| IS Ref | (Y_HWRD) |
| Units | Cts/S |
| Avg | 6.087 |
| Stddev | .010 |
| %RSD | .1683 |
| #1 | 6.095 |
| #2 | 6.080 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_HWRD |
| Line | 224.306 {150} | 371.030 { 91} |
| Units | Cts/S | Cts/S |
| Avg | 3816.8 | 5185.2 |
| Stddev | 2.5 | 8.2 |
| %RSD | .06450 | .15791 |
| #1 | 3815.1 | 5179.4 |
| #2 | 3818.5 | 5191.0 |

Sample Name: STD8 Acquired: 5/27/2010 11:36:58 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|-----------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 (479) | 220.353 (453) | 206.833 (463) | 196.090 (472) | 189.989 (477)2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0586 | 3.003 | .0751 | .0422 | .1838 |
| Stddev | .0001 | .012 | .0001 | .0001 | .0005 |
| %RSD | .2180 | .3852 | .1428 | .2227 | .2595 |
| #1 | .0587 | 2.995 | .0751 | .0422 | .1841 |
| #2 | .0585 | 3.011 | .0752 | .0423 | .1835 |
| Elem | Ti-LL | | | | |
| Line | 190.856 (477) | | | | |
| IS Ref | (In2306) | | | | |
| Units | Cts/S | | | | |
| Avg | .9266 | | | | |
| Stddev | .0066 | | | | |
| %RSD | .7091 | | | | |
| #1 | .9219 | | | | |
| #2 | .9312 | | | | |
| Int. Std. | In2306 | Y_-LWAX | | | |
| Line | 230.606 (446) | 224.306 (450) | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 452.08 | 4172.7 | | | |
| Stddev | 2.62 | 9.9 | | | |
| %RSD | .57885 | .23767 | | | |
| #1 | 453.93 | 4179.7 | | | |
| #2 | 450.23 | 4165.7 | | | |

Sample Name: STD4 Acquired: 5/27/2010 11:40:57 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|----------------|---------------|----------------|----------------|----------------|
| Elem | Ag-LL | B-LL | Ba-LL | Be-LL | Cd-LL |
| Line | 328.068 {103}2 | 208.959 {461} | 233.527 {144} | 313.042 {108} | 228.802 {447} |
| IS Ref | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.276 | .3385 | .0908 | 2.573 | .9066 |
| Stddev | .008 | .0005 | .0003 | .008 | .0012 |
| %RSD | .3368 | .1512 | .3751 | .3117 | .1293 |
| | | | | | |
| #1 | 2.271 | .3381 | .0910 | 2.579 | .9058 |
| #2 | 2.281 | .3389 | .0906 | 2.567 | .9074 |
| | | | | | |
| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
| Line | 228.616 {447} | 205.552 {464} | 324.754 {104}2 | 257.610 {131}2 | 202.030 {467} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .9744 | 1.533 | 7.244 | 24.53 | .8028 |
| Stddev | .0005 | .003 | .029 | .08 | .0047 |
| %RSD | .0479 | .1978 | .4044 | .3270 | .5820 |
| | | | | | |
| #1 | .9741 | 1.531 | 7.223 | 24.47 | .7995 |
| #2 | .9747 | 1.535 | 7.265 | 24.59 | .8061 |
| | | | | | |
| Elem | Ni-LL | P-HL | Si-LL | Sr-LL | Ti-LL |
| Line | 231.604 {445} | 178.284 {489} | 288.158 {117} | 407.771 { 83} | 334.904 {101}2 |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .5825 | .0776 | 4.679 | 72.11 | 5.314 |
| Stddev | .0012 | .0002 | .020 | .51 | .016 |
| %RSD | .1989 | .2482 | .4203 | .7118 | .3027 |
| | | | | | |
| #1 | .5817 | .0775 | 4.665 | 72.47 | 5.303 |
| #2 | .5833 | .0778 | 4.693 | 71.75 | 5.326 |

Sample Name: STD4 Acquired: 5/27/2010 11:40:57 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | |
|-----------|----------------|---------------|---------------|
| Elem | V-LL | Zn-LL2 | |
| Line | 292.402 {115}2 | 213.856 {458} | |
| IS Ref | (Y_HWAX) | (Y_LWAX) | |
| Units | Cts/S | Cts/S | |
| Avg | 3.714 | 3.384 | |
| Stddev | .014 | .007 | |
| %RSD | .3850 | .2005 | |
| | | | |
| #1 | 3.704 | 3.379 | |
| #2 | 3.724 | 3.389 | |
| | | | |
| Int. Std. | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 224.306 {150} | 224.306 {450} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 3932.7 | 4181.0 | 5254.2 |
| Stddev | 9.0 | 10.0 | 17.4 |
| %RSD | .22910 | .24007 | .33195 |
| | | | |
| #1 | 3939.1 | 4188.1 | 5241.8 |
| #2 | 3926.4 | 4173.9 | 5266.5 |

Sample Name: ICV Acquired: 5/27/2010 11:44:57 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 490.7 | 26360. | 261.3 | 502.6 | 492.6 |
| Stddev | .8 | 48. | 1.0 | 1.1 | 4.8 |
| %RSD | .1680 | .1820 | .3809 | .2104 | .9767 |
| #1 | 490.1 | 26320. | 260.6 | 501.8 | 489.2 |
| #2 | 491.3 | 26390. | 262.0 | 503.3 | 496.0 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 509.3 | 25730. | 486.3 | 484.4 | 490.9 |
| Stddev | .3 | 27. | 1.0 | 1.1 | .9 |
| %RSD | .0588 | .1044 | .2090 | .2255 | .1826 |
| #1 | 509.1 | 25720. | 485.6 | 483.6 | 490.2 |
| #2 | 509.5 | 25750. | 487.0 | 485.2 | 491.5 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICV Acquired: 5/27/2010 11:44:57 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 473.9 | 26220. | 26080. | 25170. | 481.0 |
| Stddev | .1 | 29. | 45. | 17. | .5 |
| %RSD | .0149 | .1094 | .1739 | .0671 | .1016 |
| #1 | 473.9 | 26200. | 26050. | 25160. | 481.3 |
| #2 | 474.0 | 26250. | 26110. | 25180. | 480.6 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 516.8 | 25450. | 474.2 | 520.5 | 1015. |
| Stddev | 2.6 | 75. | .5 | .5 | 3. |
| %RSD | .4952 | .2945 | .1049 | .0983 | .3426 |
| #1 | 515.0 | 25400. | 473.8 | 520.1 | 1013. |
| #2 | 518.6 | 25500. | 474.5 | 520.8 | 1018. |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICV Acquired: 5/27/2010 11:44:57 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 251.9 | 258.7 | 266.8 | 231.8 | 490.0 |
| Stddev | 3.9 | .1 | 1.3 | .8 | 4.3 |
| %RSD | 1.556 | .0384 | .4752 | .3337 | .8728 |
| #1 | 249.1 | 258.8 | 267.7 | 231.3 | 493.1 |
| #2 | 254.6 | 258.7 | 266.0 | 232.4 | 487.0 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 507.5 | 247.7 | 507.4 | 506.7 |
| Stddev | .9 | .0 | .8 | .1 |
| %RSD | .1857 | .0028 | .1623 | .0173 |
| #1 | 506.9 | 247.7 | 508.0 | 506.6 |
| #2 | 508.2 | 247.7 | 506.8 | 506.8 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICV Acquired: 5/27/2010 11:44:57 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 423.24 | 3859.2 | 4093.6 | 5222.8 |
| Stddev | 1.63 | 8.7 | 14.8 | 28.6 |
| %RSD | .38438 | .22588 | .36073 | .54745 |
| #1 | 424.39 | 3865.3 | 4104.1 | 5243.0 |
| #2 | 422.09 | 3853.0 | 4083.2 | 5202.6 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 5/27/2010 11:48:53 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6761 | -28.47 | -1.313 | 1.555 | 2.999 |
| Stddev | .7627 | .69 | .468 | .182 | 2.759 |
| %RSD | 112.8 | 2.440 | 35.68 | 11.70 | 92.01 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | .1368 | -28.96 | -.9818 | 1.426 | 1.048 |
| #2 | 1.215 | -27.98 | -1.644 | 1.683 | 4.950 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1865 | 5.059 | .1597 | .3533 | .1640 |
| Stddev | .0825 | 44.46 | .2826 | .0074 | .1750 |
| %RSD | 44.23 | 879.0 | 177.0 | 2.105 | 106.7 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | .2448 | 36.50 | .3595 | .3586 | .2877 |
| #2 | .1282 | -26.38 | -.0401 | .3480 | .0402 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/27/2010 11:48:53 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3844 | 2.374 | -83.02 | 27.52 | .1440 |
| Stddev | .6483 | .303 | 91.50 | 19.55 | .0075 |
| %RSD | 168.7 | 12.75 | 110.2 | 71.06 | 5.213 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | .0741 | 2.160 | -18.32 | 41.34 | .1493 |
| #2 | -.8428 | 2.588 | -147.7 | 13.69 | .1387 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.107 | 26.32 | .3413 | -3.182 | 1.606 |
| Stddev | .534 | 14.39 | .3421 | 2.346 | .883 |
| %RSD | 48.22 | 54.68 | 100.2 | 73.71 | 54.97 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | 1.485 | 16.14 | .0994 | -1.523 | 2.230 |
| #2 | .7298 | 36.49 | .5833 | -4.841 | .9817 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/27/2010 11:48:53 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3268 | -2.899 | -1.418 | .2287 | .0554 |
| Stddev | 1.938 | 1.555 | 1.028 | .6188 | .0051 |
| %RSD | 593.1 | 53.64 | 72.46 | 270.6 | 9.138 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -1.697 | -3.998 | -6.916 | -.2089 | .0590 |
| #2 | 1.044 | -1.799 | -2.145 | .6662 | .0518 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1826 | -1.066 | .2266 | .1201 |
| Stddev | .0341 | .267 | .3817 | .0064 |
| %RSD | 18.65 | 25.06 | 168.5 | 5.336 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .1585 | -.8775 | -.0433 | .1156 |
| #2 | .2066 | -1.255 | .4965 | .1247 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/27/2010 11:48:53 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 452.13 | 3891.9 | 4156.9 | 5184.1 |
| Stddev | .14 | 8.0 | 8.5 | 12.7 |
| %RSD | .03165 | .20448 | .20382 | .24552 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 452.24 | 3897.5 | 4150.9 | 5193.2 |
| #2 | 452.03 | 3886.3 | 4162.9 | 5175.2 |

UCL

5403.97

LCL

2909.83

Sample Name: ICSA Acquired: 5/27/2010 11:52:48 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.320 | 527400. | 2.531 | .5657 | 1.791 |
| Stddev | .462 | 969. | 1.834 | .0426 | 1.730 |
| %RSD | 35.01 | .1837 | 72.48 | 7.536 | 96.62 |
| #1 | -1.646 | 528100. | 3.828 | .5356 | 3.014 |
| #2 | -.9929 | 526700. | 1.234 | .5958 | .5673 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0918 | 509200. | 1.145 | 2.750 | 8.194 |
| Stddev | .1273 | 848. | .122 | .418 | .510 |
| %RSD | 138.6 | .1665 | 10.62 | 15.21 | 6.230 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | .1819 | 509800. | 1.059 | 2.454 | 7.833 |
| #2 | .0018 | 508600. | 1.232 | 3.046 | 8.555 |

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/27/2010 11:52:48 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.107 | 201200. | -120.0 | 508100. | 9654 |
| Stddev | .303 | .434 | 79.7 | 651. | .0701 |
| %RSD | 27.40 | .2156 | 66.37 | .1282 | 7.263 |
| #1 | -.8928 | 201500. | -63.70 | 508500. | 1.015 |
| #2 | -1.322 | 200900. | -176.4 | 507600. | .9158 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.266 | 53.55 | -6.181 | -4.805 | 5.697 |
| Stddev | .002 | 3.98 | .789 | 2.111 | 4.347 |
| %RSD | .1820 | 7.429 | 12.76 | 43.93 | 76.30 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -1.264 | 50.74 | -6.739 | -6.297 | 2.623 |
| #2 | -1.268 | 56.37 | -5.623 | -3.312 | 8.770 |

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/27/2010 11:52:48 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.215 | -9.181 | 9.576 | -.3621 | 16.00 |
| Stddev | 2.831 | 3.346 | 2.750 | .4898 | .01 |
| %RSD | 30.73 | 36.45 | 28.72 | 135.3 | .0913 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -11.22 | -6.815 | 11.52 | -.0158 | 16.01 |
| #2 | -7.213 | -11.55 | 7.631 | -.7084 | 15.99 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.049 | 3.282 | -2.588 | -5.144 |
| Stddev | .984 | 2.761 | .761 | .196 |
| %RSD | 16.26 | 84.13 | 29.42 | 3.812 |

| | | | | |
|----|-------|-------|--------|--------|
| #1 | 6.744 | 1.330 | -3.126 | -5.282 |
| #2 | 5.354 | 5.234 | -2.049 | -5.005 |

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/27/2010 11:52:48 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 359.95 | 3549.4 | 3788.3 | 5079.0 |
| Stddev | 1.14 | 21.2 | 20.5 | 27.5 |
| %RSD | .31714 | .59641 | .54108 | .54062 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 359.14 | 3534.5 | 3773.8 | 5059.6 |
| #2 | 360.75 | 3564.4 | 3802.8 | 5098.4 |

Sample Name: ICSAB Acquired: 5/27/2010 11:56:38 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.1 | 522800. | 94.62 | 1445. | 471.3 |
| Stddev | .9 | 1478. | 1.53 | 1. | 4.8 |
| %RSD | .4467 | .2828 | 1.618 | .0437 | 1.015 |
| #1 | 198.7 | 521700. | 95.70 | 1445. | 467.9 |
| #2 | 197.5 | 523800. | 93.54 | 1444. | 474.7 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 505.2 | 504000. | 980.9 | 460.9 | 494.2 |
| Stddev | 1.6 | 13. | 7 | .3 | 0 |
| %RSD | .3262 | .0026 | .0759 | .0609 | .0076 |
| #1 | 504.0 | 504000. | 980.3 | 461.1 | 494.2 |
| #2 | 506.4 | 504000. | 981.4 | 460.7 | 494.1 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: ICSAB Acquired: 5/27/2010 11:56:38 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 494.6 | 201200. | -133.2 | 500100. | 482.6 |
| Stddev | 1.1 | 508. | 81.5 | 747. | .5 |
| %RSD | .2298 | .2525 | 61.24 | .1495 | .0975 |
| #1 | 493.8 | 201600. | -75.50 | 499600. | 482.9 |
| #2 | 495.4 | 200900. | -190.8 | 500600. | 482.3 |

Check ? Chk Pass Chk Pass None None Chk Pass
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1008. | 62.67 | 903.6 | 512.0 | 51.91 |
| Stddev | 6. | 23.18 | 1.0 | 1.7 | .67 |
| %RSD | .6244 | 36.98 | .1054 | .3256 | 1.291 |
| #1 | 1003. | 46.29 | 902.9 | 510.8 | 52.39 |
| #2 | 1012. | 79.06 | 904.3 | 513.2 | 51.44 |

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: ICSAB Acquired: 5/27/2010 11:56:38 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 584.6 | 40.34 | 1029. | 1413. | 248.6 |
| Stddev | 5.3 | 4.33 | 2. | 4. | 1.0 |
| %RSD | .9051 | 10.74 | .1745 | .2988 | .4183 |
| #1 | 580.8 | 43.41 | 1030. | 1410. | 247.8 |
| #2 | 588.3 | 37.28 | 1027. | 1416. | 249.3 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 510.1 | 95.69 | 517.2 | 1007. |
| Stddev | .7 | .76 | .5 | |
| %RSD | .1432 | .7951 | .0917 | .0093 |
| #1 | 510.6 | 96.23 | 517.6 | 1007. |
| #2 | 509.6 | 95.15 | 516.9 | 1007. |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: ICSAB Acquired: 5/27/2010 11:56:38 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 360.37 | 3534.3 | 3779.7 | 5050.8 |
| Stddev | .82 | 11.8 | 3.8 | 3.4 |
| %RSD | .22695 | .33478 | .09994 | .06720 |
| #1 | 359.79 | 3526.0 | 3782.4 | 5053.2 |
| #2 | 360.95 | 3542.7 | 3777.1 | 5048.4 |

Sample Name: CRI Acquired: 5/27/2010 12:00:25 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.80 | F 492.7 | 9.509 | 105.1 | 192.3 |
| Stddev | .45 | .5 | 1.581 | 1.2 | .3 |
| %RSD | 4.140 | .1060 | 16.62 | 1.162 | .1535 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 11.11 | 493.0 | 8.392 | 105.9 | 192.5 |
| #2 | 10.48 | 492.3 | 10.63 | 104.2 | 192.1 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 300.0 | | | |
| Low Limit | | 100.0 | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.902 | 5599. | 5.636 | 49.84 | 11.03 |
| Stddev | .151 | .73 | .239 | .19 | .17 |
| %RSD | 2.560 | 1.298 | 4.250 | .3716 | 1.519 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 5.795 | 5650. | 5.467 | 49.71 | 10.91 |
| #2 | 6.009 | 5547. | 5.805 | 49.97 | 11.15 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CRI Acquired: 5/27/2010 12:00:25 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.47 | F 348.1 | 5376. | 5554. | 15.59 |
| Stddev | .27 | 5.7 | 160. | 17. | .04 |
| %RSD | 1.165 | 1.647 | 2.983 | .3083 | .2549 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 23.67 | 344.0 | 5489. | 5541. | 15.56 |
| #2 | 23.28 | 352.1 | 5262. | 5566. | 15.61 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 300.0 | | | |
| Low Limit | | 100.0 | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.85 | 5298. | 40.44 | 260.4 | 8.320 |
| Stddev | .34 | 15. | .06 | .3 | 2.377 |
| %RSD | 2.667 | .2913 | .1572 | .1118 | 28.57 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 13.10 | 5288. | 40.40 | 260.2 | 10.00 |
| #2 | 12.61 | 5309. | 40.49 | 260.6 | 6.639 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CRI Acquired: 5/27/2010 12:00:25 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 60.81 | 40.25 | 109.8 | 19.90 | 21.11 |
| Stddev | .15 | 1.17 | 3.6 | .31 | .12 |
| %RSD | .2386 | 2.919 | 3.298 | 1.569 | .5538 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 60.91 | 39.42 | 112.4 | 20.12 | 21.03 |
| #2 | 60.71 | 41.08 | 107.3 | 19.68 | 21.20 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 21.39 | 23.62 | 50.95 | 21.63 |
| Stddev | .58 | .73 | .23 | .17 |
| %RSD | 2.706 | 3.070 | .4482 | .8082 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 20.98 | 23.11 | 50.79 | 21.50 |
| #2 | 21.80 | 24.14 | 51.11 | 21.75 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CRI Acquired: 5/27/2010 12:00:25 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 449.77 | 3915.7 | 4178.1 | 5203.3 |
| Stddev | .54 | 20.3 | 1.9 | 14.5 |
| %RSD | .12104 | .51814 | .04539 | .27791 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 450.15 | 3901.3 | 4176.8 | 5213.5 |
| #2 | 449.38 | 3930.0 | 4179.4 | 5193.1 |

Sample Name: LRV Acquired: 5/27/2010 12:04:19 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.668 | 612800. | 2104. | 1.516 | 3805. |
| Stddev | .907 | 1644. | 2. | 1.574 | 5. |
| %RSD | 34.01 | .2682 | .1002 | 103.8 | .1247 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -3.310 | 614000. | 2102. | 2.629 | 3802. |
| #2 | -2.027 | 611600. | 2105. | .4037 | 3809. |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1981. | 582300. | 1939. | 3610. | 3870. |
| Stddev | 6. | 1392. | 1. | | 1. |
| %RSD | .2867 | .2391 | .0599 | .0132 | .0300 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 1985. | 583300. | 1938. | 3611. | 3869. |
| #2 | 1977. | 581300. | 1940. | 3610. | 3870. |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: LRV Acquired: 5/27/2010 12:04:19 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4174. | 294000. | 108500. | 579900. | 3799. |
| Stddev | 27. | 1220. | 514. | 1507. | 35. |
| %RSD | .6377 | .4148 | .4732 | .2599 | .9290 |

| | | | | | |
|----|-------|---------|---------|---------|-------|
| #1 | 4193. | 294900. | 108900. | 581000. | 3824. |
| #2 | 4156. | 293100. | 108200. | 578900. | 3774. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.792 | 104300. | F 3543. | 1.812 | 4017. |
| Stddev | .532 | 549. | 1. | 1.453 | 6. |
| %RSD | 29.70 | .5267 | .0258 | 80.21 | .1617 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -1.416 | 104600. | 3544. | 2.839 | 4013. |
| #2 | -2.169 | 103900. | 3542. | .7842 | 4022. |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass |
| High Limit | | | 4400. | | |
| Low Limit | | | 3600. | | |

Sample Name: LRV Acquired: 5/27/2010 12:04:19 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4013. | 1944. | 45.70 | .3860 | 3.823 |
| Stddev | 5. | 5. | 2.13 | .6688 | .021 |
| %RSD | .1269 | .2608 | 4.652 | 173.3 | .5360 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | 4009. | 1948. | 47.21 | .8589 | 3.838 |
| #2 | 4016. | 1940. | 44.20 | -.0870 | 3.809 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7.933 | 1910. | 4078. | 4056. |
| Stddev | .738 | 11. | 18. | 1. |
| %RSD | 9.299 | .5954 | .4359 | .0141 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 8.455 | 1902. | 4091. | 4057. |
| #2 | 7.411 | 1918. | 4065. | 4056. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: LRV Acquired: 5/27/2010 12:04:19 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 358.35 | 3476.0 | 3691.7 | 5016.7 |
| Stddev | 1.17 | 14.9 | 19.3 | 3.5 |
| %RSD | .32685 | .42903 | .52180 | .06969 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 357.53 | 3465.4 | 3678.0 | 5014.3 |
| #2 | 359.18 | 3486.5 | 3705.3 | 5019.2 |

Sample Name: CCV Acquired: 5/27/2010 12:08:10 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.77 | 31190. | 104.7 | 722.1 | 205.2 |
| Stddev | .24 | 155. | 2.2 | 1.1 | 2.1 |
| %RSD | .2387 | .4975 | 2.138 | .1567 | 1.009 |
| #1 | 98.94 | 31080. | 103.1 | 721.3 | 206.6 |
| #2 | 98.60 | 31300. | 106.3 | 722.9 | 203.7 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 102.9 | 31020. | 100.2 | 195.4 | 200.6 |
| Stddev | .1 | 58. | .3 | .1 | .0 |
| %RSD | .0735 | .1859 | .3115 | .0678 | .0069 |
| #1 | 102.9 | 30980. | 100.0 | 195.5 | 200.6 |
| #2 | 103.0 | 31060. | 100.5 | 195.4 | 200.6 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 12:08:10 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 191.8 | 31210. | 30860. | 31270. | 195.4 |
| Stddev | .8 | 116. | 68. | 107. | .4 |
| %RSD | .3980 | .3724 | .2218 | .3413 | .2231 |
| #1 | 192.4 | 31290. | 30910. | 31200. | 195.7 |
| #2 | 191.3 | 31120. | 30810. | 31350. | 195.1 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 201.0 | 31050. | 192.1 | 203.9 | 412.7 |
| Stddev | 1.0 | 81. | .5 | .5 | 3.0 |
| %RSD | .5206 | .2595 | .2662 | .2638 | .7379 |
| #1 | 200.2 | 31000. | 191.8 | 203.5 | 410.5 |
| #2 | 201.7 | 31110. | 192.5 | 204.2 | 414.8 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 12:08:10 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 301.3 | 101.8 | 1019. | 197.9 | 304.8 |
| Stddev | 2.3 | 4.3 | 3. | .8 | 1.0 |
| %RSD | .7683 | 4.186 | .2462 | .4163 | .3362 |
| #1 | 303.0 | 104.9 | 1021. | 197.3 | 304.1 |
| #2 | 299.7 | 98.83 | 1017. | 198.5 | 305.5 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 402.2 | 103.7 | 205.6 | 204.3 |
| Stddev | .8 | .8 | 1.0 | .1 |
| %RSD | .1902 | .7637 | .4739 | .0683 |
| #1 | 402.8 | 104.3 | 206.3 | 204.4 |
| #2 | 401.7 | 103.2 | 204.9 | 204.2 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 12:08:10 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 422.64 | 3865.2 | 4125.1 | 5121.0 |
| Stddev | .74 | 3.9 | 7.0 | 23.4 |
| %RSD | .17623 | .09986 | .16874 | .45762 |
| #1 | 423.17 | 3862.5 | 4120.1 | 5137.6 |
| #2 | 422.12 | 3868.0 | 4130.0 | 5104.5 |

Sample Name: PBS052610E Acquired: 5/27/2010 12:15:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6690 | 98.37 | .4453 | 4.897 | .2424 |
| Stddev | .0382 | 19.68 | .2282 | .421 | 1.563 |
| %RSD | 5.713 | 20.01 | 512.4 | 8.596 | 644.8 |

#1 .6960 84.45 -1.168 4.599 -.8628
 #2 .6420 112.3 2.059 5.195 1.348

Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0452 | 208.6 | .3071 | -.0293 | 1.128 |
| Stddev | .1136 | 45.4 | .3380 | .5588 | .022 |
| %RSD | 251.2 | 21.73 | 110.1 | 1910. | 1.969 |

#1 .0351 176.6 .0681 -.4244 1.144
 #2 -.1255 240.7 .5461 .3659 1.113

Check ? None None None None None
 Value
 Range

Sample Name: PBS052610E Acquired: 5/27/2010 12:15:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1787 | 83.91 | -92.92 | 21.46 | .9095 |
| Stddev | .1160 | 5.76 | 74.42 | 64.07 | .0273 |
| %RSD | 64.88 | 6.865 | 80.09 | 298.6 | 3.000 |

#1 -.0967 79.84 -145.5 -23.85 .9288
 #2 -.2607 87.98 -40.30 66.77 .8902

Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7306 | 32.11 | 1.041 | 3.021 | -.2317 |
| Stddev | .3432 | 7.88 | .495 | 1.138 | 2.665 |
| %RSD | 46.98 | 24.53 | 47.54 | 37.65 | 1150. |

#1 -.4879 37.68 .6908 2.217 -2.116
 #2 -.9733 26.54 1.390 3.826 1.653

Check ? None None None None None
 Value
 Range

Sample Name: PBS052610E Acquired: 5/27/2010 12:15:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6265 | .5825 | 18.56 | 15.06 | .3917 |
| Stddev | 1.236 | 5.239 | 2.83 | .40 | .0088 |
| %RSD | 197.3 | 899.4 | 15.25 | 2.643 | 2.240 |

#1 1.500 -3.122 20.56 14.78 .3855
 #2 -.2475 4.287 16.56 15.34 .3979

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.078 | -1.597 | .6312 | 2.522 |
| Stddev | .140 | 1.448 | 1.037 | .002 |
| %RSD | 12.96 | 90.62 | 164.2 | .0695 |

#1 .9791 -.5737 1.364 2.524
 #2 1.177 -2.621 -.1017 2.521

Check ? None None None None
 Value
 Range

Sample Name: PBS052610E Acquired: 5/27/2010 12:15:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 455.55 | 3925.4 | 4209.3 | 5169.6 |
| Stddev | .59 | 19.5 | 4.4 | 8.6 |
| %RSD | .12992 | .49744 | .10563 | .16722 |

#1 455.97 3911.6 4206.1 5175.7
 #2 455.13 3939.2 4212.4 5163.5

Sample Name: LCSS052610E Acquired: 5/27/2010 12:19:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 260.7 | 2503. | 263.6 | 508.6 | 2163. |
| Stddev | .1 | 18. | 1.3 | .7 | 11. |
| %RSD | .0445 | .7319 | .5095 | .1329 | .4918 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 260.8 | 2490. | 264.5 | 508.1 | 2156. |
| #2 | 260.6 | 2516. | 262.6 | 509.1 | 2171. |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 58.64 | 22380. | 258.1 | 481.1 | 229.2 |
| Stddev | .08 | 115. | .7 | .4 | .7 |
| %RSD | .1439 | .5117 | .2736 | .0752 | .2929 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 58.58 | 22460. | 257.6 | 480.8 | 228.7 |
| #2 | 58.70 | 22290. | 258.6 | 481.3 | 229.7 |

Check ? Value Range

Sample Name: LCSS052610E Acquired: 5/27/2010 12:19:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 272.5 | 1282. | 22380. | 21300. | 520.2 |
| Stddev | 1.6 | 5. | 2. | 26. | 2.3 |
| %RSD | .5906 | .4274 | .0106 | .1226 | .4412 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 273.6 | 1286. | 22380. | 21280. | 521.8 |
| #2 | 271.3 | 1278. | 22370. | 21320. | 518.5 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 537.1 | 21670. | 514.6 | 540.9 | 238.2 |
| Stddev | 2.0 | 5. | 1.4 | .9 | 3.8 |
| %RSD | .3711 | .0236 | .2808 | .1710 | 1.586 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 535.7 | 21660. | 513.6 | 541.6 | 235.6 |
| #2 | 538.5 | 21670. | 515.7 | 540.3 | 240.9 |

Check ? Value Range

Sample Name: LCSS052610E Acquired: 5/27/2010 12:19:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 505.7 | 256.2 | 524.7 | 554.4 | 530.5 |
| Stddev | 3.0 | 2.1 | 6.3 | 1.6 | 3.5 |
| %RSD | .6019 | .8058 | 1.197 | .2813 | .6685 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 503.5 | 254.7 | 529.1 | 553.3 | 533.0 |
| #2 | 507.8 | 257.6 | 520.2 | 555.5 | 528.0 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 534.9 | 264.9 | 538.9 | 523.7 |
| Stddev | 1.9 | 5.2 | 2.4 | .8 |
| %RSD | .3641 | 1.944 | .4497 | .1620 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 536.3 | 261.3 | 540.6 | 523.1 |
| #2 | 533.5 | 268.6 | 537.2 | 524.3 |

Check ? Value Range

Sample Name: LCSS052610E Acquired: 5/27/2010 12:19:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 425.60 | 3849.6 | 4082.2 | 5088.5 |
| Stddev | .11 | 35.5 | 14.2 | 37.8 |
| %RSD | .02492 | .92162 | .34722 | .74220 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 425.52 | 3824.6 | 4072.2 | 5061.8 |
| #2 | 425.67 | 3874.7 | 4092.2 | 5115.2 |

Sample Name: 828744 Acquired: 5/27/2010 12:23:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.180 | 115200. | 53.19 | 36.40 | 1901. |
| Stddev | 1.025 | 45. | 42 | 29 | 2. |
| %RSD | 86.87 | .0392 | .7811 | .7931 | .1297 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -4553 | 115300. | 52.90 | 36.61 | 1899. |
| #2 | -1.905 | 115200. | 53.49 | 36.20 | 1902. |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.194 | 408100. | 3.078 | 57.06 | 151.1 |
| Stddev | .220 | 293. | .194 | .10 | .1 |
| %RSD | 2.684 | .0717 | 6.288 | .1684 | .0980 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 8.350 | 408300. | 2.941 | 56.99 | 151.2 |
| #2 | 8.039 | 407800. | 3.215 | 57.13 | 151.0 |

Check ? Value Range

Sample Name: 828744 Acquired: 5/27/2010 12:23:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 273.9 | 139800. | 22050. | 58910. | 3170. |
| Stddev | .8 | 257. | 9. | 200. | 16. |
| %RSD | .2813 | .1835 | .0396 | .3401 | .5136 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 273.3 | 140000. | 22060. | 59050. | 3158. |
| #2 | 274.4 | 139600. | 22050. | 58770. | 3181. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 378.1 | 1005. | 118.8 | 4772. | 156.0 |
| Stddev | 1.0 | 20. | 1.1 | 2. | 3.4 |
| %RSD | .2713 | 1.958 | .9480 | .0474 | 2.188 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 377.4 | 990.9 | 119.6 | 4773. | 158.4 |
| #2 | 378.8 | 1019. | 118.0 | 4770. | 153.5 |

Check ? Value Range

Sample Name: 828744 Acquired: 5/27/2010 12:23:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.949 | -3.829 | 6126. | 2.796 | 1140. |
| Stddev | 1.147 | 1.421 | 5. | .026 | 4. |
| %RSD | 14.42 | 37.11 | .0793 | .9443 | .3624 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -7.139 | -4.833 | 6123. | 2.815 | 1137. |
| #2 | -8.760 | -2.824 | 6130. | 2.778 | 1143. |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3028. | -8.641 | 303.3 | 542.8 |
| Stddev | 7. | 1.052 | 1.3 | .4 |
| %RSD | .2172 | 12.17 | .4123 | .0814 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3033. | -7.898 | 304.1 | 543.1 |
| #2 | 3024. | -9.385 | 302.4 | 542.5 |

Check ? Value Range

Sample Name: 828744 Acquired: 5/27/2010 12:23:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 391.54 | 4079.2 | 4305.5 | 5584.6 |
| Stddev | 2.21 | 9.8 | 6.0 | 2.2 |
| %RSD | .56378 | .24097 | .14035 | .03962 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 389.98 | 4072.2 | 4309.8 | 5583.0 |
| #2 | 393.10 | 4086.1 | 4301.2 | 5586.2 |

Sample Name: 828744L Acquired: 5/27/2010 12:27:45 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.887 | 125200. | 60.20 | 43.38 | 2092. |
| Stddev | 1.305 | 370. | 17.07 | 5.18 | 9. |
| %RSD | 45.22 | .2953 | 28.36 | 11.94 | .4474 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 3.809 | 124900. | 48.13 | 39.71 | 2086. |
| #2 | 1.964 | 125400. | 72.28 | 47.04 | 2099. |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.203 | 447600. | 3.709 | 64.84 | 165.5 |
| Stddev | 1.306 | 368. | 312 | .49 | .3 |
| %RSD | 14.19 | .0821 | 8.403 | .7615 | .1999 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 10.13 | 447300. | 3.489 | 64.49 | 165.2 |
| #2 | 8.280 | 447900. | 3.930 | 65.19 | 165.7 |

Check ? Value Range

Sample Name: 828744L Acquired: 5/27/2010 12:27:45 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 290.7 | 154200. | 22640. | 65490. | 3538. |
| Stddev | .5 | 223. | 364. | 540. | 5. |
| %RSD | .1621 | .1446 | 1.607 | .8248 | .1402 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 291.0 | 154000. | 22390. | 65110. | 3534. |
| #2 | 290.4 | 154300. | 22900. | 65870. | 3541. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 403.7 | 1062. | 134.4 | 5156. | 159.5 |
| Stddev | 2.5 | 53. | 4.8 | 13. | 4.0 |
| %RSD | .6317 | 4.995 | 3.574 | .2594 | 2.499 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 401.9 | 1025. | 137.8 | 5166. | 156.7 |
| #2 | 405.5 | 1100. | 131.0 | 5147. | 162.3 |

Check ? Value Range

Sample Name: 828744L Acquired: 5/27/2010 12:27:45 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -17.53 | -.0559 | 6802. | -1.992 | 1286. |
| Stddev | 3.14 | .4551 | 8. | 4.499 | 2. |
| %RSD | 17.94 | 813.6 | .1135 | 225.9 | .1695 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -15.31 | -.3778 | 6797. | -5.174 | 1285. |
| #2 | -19.75 | .2659 | 6808. | 1.189 | 1288. |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3210. | -13.72 | 323.5 | 599.3 |
| Stddev | 8. | 2.54 | 2.0 | 1.6 |
| %RSD | .2506 | 18.51 | .6084 | .2622 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3204. | -11.92 | 322.2 | 598.2 |
| #2 | 3216. | -15.52 | 324.9 | 600.4 |

Check ? Value Range

Sample Name: 828744L Acquired: 5/27/2010 12:27:45 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 433.41 | 3948.7 | 4211.1 | 5276.1 |
| Stddev | 1.19 | 10.2 | 6.0 | 28.5 |
| %RSD | .27353 | .25811 | .14225 | .54043 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 432.58 | 3955.9 | 4215.3 | 5296.3 |
| #2 | 434.25 | 3941.5 | 4206.8 | 5256.0 |

Sample Name: 828744A Acquired: 5/27/2010 12:31:38 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.470 | 116300. | 90.96 | 477.2 | 3663. |
| Stddev | .758 | 892. | 5.43 | .1 | 23. |
| %RSD | 51.56 | .7674 | 5.971 | .0165 | .6237 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -2.006 | 115600. | 94.80 | 477.3 | 3646. |
| #2 | -.9340 | 116900. | 87.11 | 477.2 | 3679. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 57.62 | 404900. | 49.60 | 464.5 | 338.7 |
| Stddev | .43 | 2196. | .24 | .9 | .8 |
| %RSD | .7443 | .5423 | .4761 | .1959 | .2267 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 57.32 | 403400. | 49.76 | 465.2 | 339.3 |
| #2 | 57.92 | 406500. | 49.43 | 463.9 | 338.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828744A Acquired: 5/27/2010 12:31:38 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 507.1 | 140200. | 21960. | 58530. | 3594. |
| Stddev | .0 | 158. | 138. | 445. | 23. |
| %RSD | .0098 | .1126 | .6280 | .7603 | .6508 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 507.1 | 140100. | 21860. | 58210. | 3578. |
| #2 | 507.0 | 140300. | 22050. | 58840. | 3611. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 831.9 | 1010. | 523.2 | 5208. | 176.7 |
| Stddev | .1 | 26. | 2.4 | 22. | 1.1 |
| %RSD | .0129 | 2.590 | .4608 | .4173 | .5947 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 831.8 | 991.7 | 524.9 | 5223. | 175.9 |
| #2 | 832.0 | 1029. | 521.5 | 5193. | 177.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828744A Acquired: 5/27/2010 12:31:38 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 426.3 | 43.05 | 6663. | 399.4 | 1537. |
| Stddev | .8 | 1.78 | 11. | 2.4 | 9. |
| %RSD | .1857 | 4.143 | .1721 | .6098 | .5604 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 425.8 | 44.31 | 6671. | 401.1 | 1531. |
| #2 | 426.9 | 41.79 | 6655. | 397.6 | 1543. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3453. | 46.70 | 755.8 | 975.3 |
| Stddev | 13. | 2.98 | 1.2 | 3.1 |
| %RSD | .3650 | 6.377 | .1602 | .3161 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3444. | 48.81 | 754.9 | 977.5 |
| #2 | 3462. | 44.60 | 756.6 | 973.1 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828744A Acquired: 5/27/2010 12:31:38 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 390.33 | 4054.5 | 4291.6 | 5576.2 |
| Stddev | .42 | 1.9 | 9.1 | 43.4 |
| %RSD | .10775 | .04643 | .21167 | .77777 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 390.63 | 4055.8 | 4285.1 | 5606.9 |
| #2 | 390.03 | 4053.1 | 4298.0 | 5545.6 |

Sample Name: 828744MS Acquired: 5/27/2010 12:35:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 42.26 | 147200. | 99.21 | 432.3 | 3922. |
| Stddev | .14 | 141. | 3.40 | .2 | 8. |
| %RSD | .3260 | .0958 | 3.428 | .0352 | .1997 |
| #1 | 42.35 | 147100. | 96.80 | 432.4 | 3916. |
| #2 | 42.16 | 147300. | 101.6 | 432.2 | 3927. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (454) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 58.85 | 389200. | 48.90 | 457.2 | 374.8 |
| Stddev | .07 | 638. | .38 | 1.2 | 1.2 |
| %RSD | .1122 | .1638 | .7679 | .2647 | .0640 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 58.89 | 388800. | 48.53 | 456.4 | 375.0 |
| #2 | 58.80 | 389700. | 49.17 | 458.1 | 374.6 |

Check ? Value Range
 None None None None None

Sample Name: 828744MS Acquired: 5/27/2010 12:35:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 543.5 | 174700. | 26880. | 66840. | 4604. |
| Stddev | 1.2 | 214. | 183. | 368. | 6. |
| %RSD | .2176 | .1224 | .6798 | .5509 | .1407 |
| #1 | 542.7 | 174800. | 27010. | 66580. | 4608. |
| #2 | 544.3 | 174500. | 26750. | 67100. | 4599. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 811.5 | 1179. | 558.1 | 5829. | 340.9 |
| Stddev | 3.0 | 35. | 1.2 | 7. | 6. |
| %RSD | .3680 | 2.994 | .2228 | .1183 | .1674 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 809.4 | 1204. | 557.2 | 5834. | 341.3 |
| #2 | 813.6 | 1154. | 559.0 | 5825. | 340.5 |

Check ? Value Range
 None None None None None

Sample Name: 828744MS Acquired: 5/27/2010 12:35:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 160.1 | 37.30 | 7104. | 425.6 | 1533. |
| Stddev | 1.1 | 5.16 | 12. | 1.4 | 24. |
| %RSD | .7150 | 13.85 | .1720 | .3325 | 1.554 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 160.9 | 40.95 | 7095. | 424.6 | 1516. |
| #2 | 159.3 | 33.65 | 7112. | 426.6 | 1550. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4287. | 44.83 | 814.2 | 1098. |
| Stddev | 10. | 2.46 | .1 | 1. |
| %RSD | .2436 | 5.480 | .0184 | .0462 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4280. | 43.09 | 814.3 | 1099. |
| #2 | 4294. | 46.56 | 814.1 | 1098. |

Check ? Value Range
 None None None None

Sample Name: 828744MS Acquired: 5/27/2010 12:35:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 389.92 | 4085.4 | 4338.1 | 5609.4 |
| Stddev | .59 | 5.4 | 1.1 | 37.7 |
| %RSD | .15225 | .13129 | .02432 | .67224 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 389.50 | 4081.7 | 4337.4 | 5636.1 |
| #2 | 390.34 | 4089.2 | 4338.9 | 5582.8 |

Sample Name: 828744DP Acquired: 5/27/2010 12:39:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|--------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.365 | 135500. | 60.00 | 41.92 | 2156. |
| Stddev | .716 | 734. | 1.00 | .53 | 19. |
| %RSD | 52.47 | .5418 | 1.662 | 1.266 | .8804 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -1.871 | 135000. | 60.71 | 42.29 | 2142. |
| #2 | -.8583 | 136100. | 59.30 | 41.54 | 2169. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.564 | 386400. | 2.754 | 66.67 | 171.5 |
| Stddev | .062 | 1787. | .071 | .38 | .3 |
| %RSD | .6448 | .4625 | 2.577 | .5750 | .1718 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 9.520 | 385200. | 2.804 | 66.40 | 171.3 |
| #2 | 9.607 | 387700. | 2.704 | 66.94 | 171.7 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828744DP Acquired: 5/27/2010 12:39:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|--------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 310.9 | 166700. | 25260. | 63190. | 3628. |
| Stddev | .7 | 354. | 19. | 385. | 12. |
| %RSD | .2255 | .2126 | .0759 | .6096 | .3271 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 311.4 | 166900. | 25250. | 62920. | 3620. |
| #2 | 310.4 | 166400. | 25280. | 63460. | 3636. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| | | | | | |
|--------|---------------|--------------|---------------|---------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 367.1 | 1108. | 136.8 | 4825. | 208.3 |
| Stddev | .2 | 8. | .3 | 4. | 2.4 |
| %RSD | .0644 | .7622 | .2250 | .0893 | 1.153 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 367.0 | 1102. | 137.1 | 4822. | 210.0 |
| #2 | 367.3 | 1114. | 136.6 | 4828. | 206.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828744DP Acquired: 5/27/2010 12:39:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|---------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.96 | -6.629 | 6984. | .9764 | 1109. |
| Stddev | .63 | 1.352 | 4. | .5984 | 4. |
| %RSD | 5.720 | 20.39 | .0502 | 61.29 | .3386 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -11.41 | -5.674 | 6986. | 1.400 | 1106. |
| #2 | -10.52 | -7.585 | 6981. | .5532 | 1112. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| | | | | |
|--------|----------------|---------------|----------------|---------------|
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3526. | -8.074 | 349.5 | 559.4 |
| Stddev | 1. | .636 | .7 | 1.0 |
| %RSD | .0257 | 7.876 | .2080 | .1762 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3525. | -8.523 | 350.0 | 558.7 |
| #2 | 3526. | -7.624 | 349.0 | 560.1 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828744DP Acquired: 5/27/2010 12:39:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 394.43 | 4097.4 | 4347.8 | 5621.9 |
| Stddev | .72 | 2.2 | 7.6 | 59.3 |
| %RSD | .18183 | .05263 | .17492 | 1.0555 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 393.93 | 4099.0 | 4353.2 | 5663.8 |
| #2 | 394.94 | 4095.9 | 4342.4 | 5579.9 |

Sample Name: 828745 Acquired: 5/27/2010 12:43:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5852 | 91310. | 38.55 | -4.932 | 834.5 |
| Stddev | 1.145 | 274. | 2.12 | .029 | 6.3 |
| %RSD | 195.6 | .3000 | 5.508 | .5851 | .7531 |
| #1 | -1.395 | 91120. | 40.05 | -4.952 | 838.9 |
| #2 | .2242 | 91510. | 37.05 | -4.911 | 830.0 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.09 | 157500. | 6.932 | 122.1 | 419.0 |
| Stddev | .06 | 414. | .038 | .1 | .5 |
| %RSD | .4781 | .2629 | .5476 | .1053 | .1213 |
| #1 | 13.13 | 157200. | 6.959 | 122.0 | 418.6 |
| #2 | 13.04 | 157800. | 6.905 | 122.2 | 419.3 |

Check ? Value Range
 None None None None None

Sample Name: 828745 Acquired: 5/27/2010 12:43:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1272. | 208300. | 43000. | 80610. | 6275. |
| Stddev | 1. | 320. | 154. | 230. | 46. |
| %RSD | .1071 | .1536 | .3575 | .2848 | .7250 |
| #1 | 1273. | 208600. | 42890. | 80450. | 6243. |
| #2 | 1271. | 208100. | 43100. | 80770. | 6308. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2604. | 1214. | 321.4 | 9208. | 549.6 |
| Stddev | 5. | 16. | 1.3 | 5. | 6.1 |
| %RSD | .1825 | 1.323 | .4020 | .0583 | 1.115 |
| #1 | 2600. | 1203. | 320.5 | 9211. | 545.3 |
| #2 | 2607. | 1226. | 322.3 | 9204. | 553.9 |

Check ? Value Range
 None None None None None

Sample Name: 828745 Acquired: 5/27/2010 12:43:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.04 | -6.110 | 7521. | -3.973 | 1052. |
| Stddev | .04 | 1.937 | 28. | 1.394 | 14. |
| %RSD | .3754 | 31.70 | .3692 | 35.09 | 1.355 |
| #1 | -10.07 | -4.740 | 7501. | -2.987 | 1042. |
| #2 | -10.02 | -7.479 | 7541. | -4.959 | 1062. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6977. | -15.89 | 444.2 | 1061. |
| Stddev | 10. | 1.89 | .2 | 1. |
| %RSD | .1367 | 11.91 | .0496 | .0479 |
| #1 | 6984. | -17.23 | 444.4 | 1061. |
| #2 | 6970. | -14.55 | 444.1 | 1061. |

Check ? Value Range
 None None None None

Sample Name: 828745 Acquired: 5/27/2010 12:43:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 396.89 | 4149.7 | 4408.4 | 5680.9 |
| Stddev | 2.88 | 4.5 | 11.7 | 46.4 |
| %RSD | .72470 | .10943 | .26645 | .81694 |
| #1 | 398.93 | 4146.5 | 4400.1 | 5713.7 |
| #2 | 394.86 | 4152.9 | 4416.7 | 5648.1 |

Check ? Value Range
 None None None None

Sample Name: 828746 Acquired: 5/27/2010 12:47:38 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.040 | 120300. | 52.29 | 23.40 | 1302. |
| Stddev | .074 | 344. | .61 | 1.10 | 2. |
| %RSD | 3.607 | .2855 | 1.163 | 4.703 | .1738 |
| #1 | -2.092 | 120600. | 51.86 | 24.18 | 1303. |
| #2 | -1.988 | 120100. | 52.72 | 22.63 | 1300. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.32 | 190400. | 3.512 | 76.17 | 268.4 |
| Stddev | .07 | 834. | .064 | .05 | .3 |
| %RSD | .6514 | .4378 | 1.621 | .0605 | .0941 |
| #1 | 10.37 | 191000. | 3.467 | 76.14 | 268.6 |
| #2 | 10.27 | 189900. | 3.558 | 76.20 | 268.2 |

Check ? Value Range
 None None None None None

Sample Name: 828746 Acquired: 5/27/2010 12:47:38 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 465.3 | 199600. | 27140. | 69000. | 4745. |
| Stddev | 3.2 | 179. | 37. | 227. | 24. |
| %RSD | .6834 | .0898 | .1357 | .3285 | .5125 |
| #1 | 467.5 | 199700. | 27170. | 69160. | 4728. |
| #2 | 463.0 | 199500. | 27110. | 68840. | 4762. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 763.5 | 877.9 | 193.0 | 8199. | 291.3 |
| Stddev | .3 | 28.8 | .6 | 2. | .5 |
| %RSD | .0431 | 3.279 | .2946 | .0279 | .1775 |
| #1 | 763.8 | 898.2 | 192.6 | 8198. | 291.7 |
| #2 | 763.3 | 857.5 | 193.4 | 8201. | 290.9 |

Check ? Value Range
 None None None None None

Sample Name: 828746 Acquired: 5/27/2010 12:47:38 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.03 | -6.116 | 5941. | -0.121 | 666.6 |
| Stddev | 1.55 | .590 | 44. | .1720 | 8.6 |
| %RSD | 15.45 | 9.648 | .7397 | 1419. | 1.305 |
| #1 | -11.12 | -5.699 | 5973. | .1095 | 662.6 |
| #2 | -8.933 | -6.534 | 5910. | -.1337 | 650.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWRD) | (In2306) | (Y_HWRD) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4266. | -12.65 | 371.5 | 796.8 |
| Stddev | 5. | 1.44 | .4 | .4 |
| %RSD | .1227 | 11.39 | .1073 | .0440 |
| #1 | 4270. | -11.63 | 371.8 | 797.0 |
| #2 | 4262. | -13.67 | 371.3 | 796.5 |

Check ? Value Range
 None None None None

Sample Name: 828746 Acquired: 5/27/2010 12:47:38 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWRD | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 405.49 | 4202.4 | 4469.1 | 5695.7 |
| Stddev | 1.36 | 35.6 | 4.0 | 3.2 |
| %RSD | .33456 | .84821 | .08873 | .05538 |
| #1 | 404.53 | 4227.6 | 4471.9 | 5698.0 |
| #2 | 406.45 | 4177.2 | 4466.3 | 5693.5 |

Check ? Value Range
 None None None None

Sample Name: 828747 Acquired: 5/27/2010 12:51:39 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.447 | 133000. | 54.99 | 29.05 | 2104. |
| Stddev | .515 | 291. | 2.24 | 1.84 | 10. |
| %RSD | 35.58 | .2187 | 4.074 | 6.322 | .4914 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -1.811 | 133200. | 53.40 | 30.35 | 2111. |
| #2 | -1.083 | 132800. | 56.57 | 27.75 | 2096. |

Check ? Value Range

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.98 | 313500. | 4.404 | 80.26 | 256.5 |
| Stddev | .04 | 775. | .117 | .06 | 5 |
| %RSD | .3271 | .2472 | 2.655 | .0691 | .1766 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 11.01 | 314000. | 4.321 | 80.22 | 256.2 |
| #2 | 10.96 | 312900. | 4.487 | 80.30 | 256.8 |

Check ? Value Range

Sample Name: 828747 Acquired: 5/27/2010 12:51:39 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 609.3 | 170800. | 28980. | 68170. | 4696. |
| Stddev | .9 | 162. | 99. | 193. | 30. |
| %RSD | .1527 | .0950 | .3415 | .2827 | .6297 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 609.9 | 170900. | 29050. | 68310. | 4675. |
| #2 | 608.6 | 170700. | 28910. | 68040. | 4717. |

Check ? Value Range

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_-LWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1180. | 945.1 | 189.1 | 5896. | 413.7 |
| Stddev | 2. | 5.4 | 1.1 | 5. | 1.6 |
| %RSD | .1584 | .5718 | .5559 | .0909 | .3954 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1178. | 948.9 | 189.8 | 5892. | 412.5 |
| #2 | 1181. | 941.3 | 188.4 | 5900. | 414.8 |

Check ? Value Range

Sample Name: 828747 Acquired: 5/27/2010 12:51:39 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|---------------|----------------|---------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_-LWAX) | (Y_-LWAX) | (Y_HWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.25 | -2.427 | 6752. | -.5161 | 1019. |
| Stddev | .98 | 5.278 | 39. | .8519 | 5. |
| %RSD | 9.562 | 217.5 | 5755 | 165.0 | .4520 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -9.554 | -6.159 | 6779. | .0862 | 1015. |
| #2 | -10.94 | 1.305 | 6724. | -1.118 | 1022. |

Check ? Value Range

| | | | | |
|--------|----------------|---------------|----------------|---------------|
| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4521. | -12.93 | 384.8 | 798.1 |
| Stddev | 9. | 1.41 | 1.2 | 1.0 |
| %RSD | .2079 | 10.88 | .3223 | .1193 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 4528. | -11.94 | 385.7 | 797.5 |
| #2 | 4515. | -13.93 | 383.9 | 798.8 |

Check ? Value Range

Sample Name: 828747 Acquired: 5/27/2010 12:51:39 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306 | Y_HWAX | Y_-LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 392.26 | 4131.6 | 4391.4 | 5671.4 |
| Stddev | .34 | 11.9 | 16.9 | 7.0 |
| %RSD | .08540 | .28710 | .38521 | .12403 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 392.49 | 4140.0 | 4379.5 | 5666.4 |
| #2 | 392.02 | 4123.2 | 4403.4 | 5676.4 |

Sample Name: CCV Acquired: 5/27/2010 12:55:39 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.22 | 31050. | 105.4 | 725.3 | 199.3 |
| Stddev | .56 | 104. | 1.1 | 1.1 | 1.1 |
| %RSD | .5632 | .3353 | 1.091 | .1529 | .5665 |
| #1 | 99.62 | 31120. | 106.2 | 726.1 | 198.5 |
| #2 | 98.83 | 30970. | 104.5 | 724.5 | 200.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.7 | 30800. | 99.33 | 194.6 | 198.7 |
| Stddev | .4 | 19. | .05 | .3 | .2 |
| %RSD | .3549 | .0601 | .0494 | .1546 | .0772 |
| #1 | 102.0 | 30810. | 99.37 | 194.4 | 198.6 |
| #2 | 101.5 | 30780. | 99.30 | 194.8 | 198.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 12:55:39 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 189.7 | 31050. | 30810. | 31020. | 196.3 |
| Stddev | 6 | 22 | 174. | 150. | .7 |
| %RSD | .3130 | .0699 | .5650 | .4838 | .3405 |
| #1 | 190.2 | 31040. | 30940. | 31120. | 196.7 |
| #2 | 189.3 | 31070. | 30690. | 30910. | 195.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 205.5 | 30990. | 192.2 | 210.2 | 409.9 |
| Stddev | .1 | 185. | .1 | .6 | 3.3 |
| %RSD | .0281 | .5965 | .0464 | .2791 | .7997 |
| #1 | 205.4 | 31120. | 192.1 | 209.7 | 412.2 |
| #2 | 205.5 | 30860. | 192.2 | 210.6 | 407.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 12:55:39 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 298.1 | 103.5 | 1027. | 199.5 | 307.5 |
| Stddev | 1.3 | 2.5 | 4. | 1.1 | 4.0 |
| %RSD | .4349 | 2.403 | .4024 | .5370 | 1.300 |
| #1 | 297.2 | 105.3 | 1030. | 200.3 | 310.4 |
| #2 | 299.0 | 101.8 | 1025. | 198.8 | 304.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 404.4 | 101.3 | 203.2 | 203.3 |
| Stddev | 2.3 | 1.4 | .1 | .1 |
| %RSD | .5686 | 1.365 | .0734 | .0655 |
| #1 | 406.0 | 102.3 | 203.3 | 203.2 |
| #2 | 402.7 | 100.3 | 203.1 | 203.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 12:55:39 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 423.48 | 3890.6 | 4129.9 | 5107.8 |
| Stddev | 2.22 | 4.8 | 1.4 | 59.0 |
| %RSD | .52519 | .12310 | .03292 | 1.1557 |
| #1 | 421.91 | 3887.2 | 4128.9 | 5066.1 |
| #2 | 425.05 | 3894.0 | 4130.8 | 5149.6 |

#1 421.91 3887.2 4128.9 5066.1
 #2 425.05 3894.0 4130.8 5149.6

Sample Name: CCB Acquired: 5/27/2010 12:59:28 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3520 | 8.383 | .1107 | 2.386 | 1.200 |
| Stddev | .0216 | 13.63 | .0951 | .286 | 1.995 |
| %RSD | 6.132 | 162.6 | 85.89 | 11.97 | 166.3 |
| #1 | .3367 | 18.02 | .1780 | 2.184 | -.2109 |
| #2 | .3673 | -1.253 | .0435 | 2.588 | 2.611 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0574 | 56.52 | .0556 | .0595 | .1718 |
| Stddev | .0625 | 62.49 | .1060 | .1321 | .0533 |
| %RSD | 108.9 | 110.6 | 190.5 | 222.1 | 31.03 |
| #1 | .0132 | 12.33 | .1306 | -.0339 | .1341 |
| #2 | .1016 | 100.7 | -.0193 | .1529 | .2094 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 12:59:28 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2444 | 47.62 | -72.46 | 46.61 | .7382 |
| Stddev | .0650 | 16.54 | 178.7 | 63.05 | .0931 |
| %RSD | 26.58 | 34.72 | 246.6 | 135.3 | 12.61 |
| #1 | .1985 | 35.93 | 53.89 | 91.19 | .8040 |
| #2 | .2904 | 59.31 | -198.8 | 2.027 | .6724 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9953 | 3.540 | .6773 | -3.952 | -1.392 |
| Stddev | .1834 | 30.05 | .1269 | 1.655 | 1.194 |
| %RSD | 18.42 | 848.9 | 18.74 | 41.88 | 85.79 |
| #1 | 1.125 | 24.79 | .5875 | -2.782 | -.5477 |
| #2 | .8657 | -17.71 | .7670 | -5.123 | -2.237 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 12:59:28 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.550 | -.3498 | .7640 | .2457 | .2785 |
| Stddev | .247 | 2.777 | 2.566 | .2098 | .0257 |
| %RSD | 9.679 | 793.9 | 335.9 | 85.36 | 9.221 |
| #1 | -2.375 | -2.313 | -1.051 | .0974 | .2604 |
| #2 | -2.724 | 1.614 | 2.579 | .3941 | .2967 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.660 | .1964 | .4312 | .1118 |
| Stddev | .376 | 1.115 | .9495 | .0307 |
| %RSD | 22.64 | 567.8 | 220.2 | 27.48 |
| #1 | 1.925 | .9849 | 1.103 | .1335 |
| #2 | 1.394 | -.5921 | -.2402 | .0901 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 12:59:28 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 458.05 | 3956.5 | 4208.0 | 5105.1 |
| Stddev | 1.45 | 5.2 | .7 | 45.0 |
| %RSD | .31728 | .13154 | .01739 | .88162 |
| #1 | 457.02 | 3960.2 | 4207.4 | 5073.2 |
| #2 | 459.08 | 3952.9 | 4208.5 | 5136.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.660 | .1964 | .4312 | .1118 |
| Stddev | .376 | 1.115 | .9495 | .0307 |
| %RSD | 22.64 | 567.8 | 220.2 | 27.48 |
| #1 | 1.925 | .9849 | 1.103 | .1335 |
| #2 | 1.394 | -.5921 | -.2402 | .0901 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: 828748 Acquired: 5/27/2010 13:03:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6495 | 86670. | 37.33 | -1.457 | 953.9 |
| Stddev | .7675 | .149 | .99 | .487 | 1.4 |
| %RSD | 118.2 | .1713 | 2.660 | 33.41 | .1518 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -1.067 | 86560. | 36.63 | -1.801 | 954.9 |
| #2 | -1.192 | 86770. | 38.03 | -1.113 | 952.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.03 | 192600. | 6.847 | 88.61 | 359.8 |
| Stddev | .25 | 413. | .250 | .39 | 1.0 |
| %RSD | 2.036 | .2146 | 3.644 | .4383 | .2687 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 11.86 | 192300. | 6.670 | 88.88 | 359.1 |
| #2 | 12.20 | 192900. | 7.023 | 88.34 | 360.5 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828748 Acquired: 5/27/2010 13:03:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1172. | 172700. | 33380. | 67540. | 6034. |
| Stddev | 1. | 184. | 105. | 391. | 23. |
| %RSD | .1271 | .1066 | .3138 | .5795 | .3880 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 1173. | 172600. | 33300. | 67270. | 6017. |
| #2 | 1171. | 172900. | 33450. | 67820. | 6050. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2382. | 986.1 | 243.4 | 8554. | 559.3 |
| Stddev | 9. | 15.1 | .1 | 3. | 1.6 |
| %RSD | .3971 | 1.535 | .0261 | .0351 | .2813 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2375. | 996.8 | 243.4 | 8556. | 558.2 |
| #2 | 2388. | 975.4 | 243.4 | 8552. | 560.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828748 Acquired: 5/27/2010 13:03:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.925 | -7.343 | 7309. | -2.745 | 1010. |
| Stddev | .352 | .540 | 9. | .568 | 3. |
| %RSD | 3.945 | 7.357 | .1286 | 20.70 | .3327 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -8.676 | -7.725 | 7303. | -2.343 | 1008. |
| #2 | -9.174 | -6.961 | 7316. | -3.146 | 1013. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5705. | -15.72 | 376.5 | 1035. |
| Stddev | 2. | .16 | .6 | |
| %RSD | .0336 | 1.008 | .1547 | .0166 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 5706. | -15.60 | 376.1 | 1035. |
| #2 | 5703. | -15.83 | 377.0 | 1035. |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828748 Acquired: 5/27/2010 13:03:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 400.55 | 4174.4 | 4413.1 | 5621.1 |
| Stddev | .99 | 8.1 | 6.1 | 41.4 |
| %RSD | .24605 | .19448 | .13749 | .73654 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 399.86 | 4180.1 | 4408.9 | 5650.4 |
| #2 | 401.25 | 4168.7 | 4417.4 | 5591.8 |

Sample Name: 828749 Acquired: 5/27/2010 13:07:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.116 | 130500. | 58.71 | 32.27 | 2069. |
| Stddev | .535 | 18. | .84 | 1.16 | 5. |
| %RSD | 47.99 | .0140 | 1.429 | 3.600 | .2321 |
| #1 | -1.494 | 130500. | 59.30 | 33.09 | 2073. |
| #2 | -.7370 | 130500. | 58.12 | 31.45 | 2066. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.604 | 339200. | 3.073 | 68.05 | 192.3 |
| Stddev | .054 | 1061. | .056 | .85 | .6 |
| %RSD | .5645 | .3128 | 1.823 | .9521 | .2895 |
| #1 | 9.642 | 340000. | 3.033 | 68.51 | 191.9 |
| #2 | 9.566 | 338500. | 3.113 | 67.59 | 192.7 |

Check ? Value Range
 None None None None None

Sample Name: 828749 Acquired: 5/27/2010 13:07:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 358.0 | 160800. | 22130. | 59550. | 4037. |
| Stddev | .4 | 158. | 20. | 22. | 63. |
| %RSD | .1057 | .0985 | .0895 | .0367 | 1.560 |
| #1 | 358.3 | 160900. | 22150. | 59530. | 4081. |
| #2 | 357.8 | 160600. | 22120. | 59570. | 3992. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 444.4 | 921.0 | 150.7 | 5162. | 294.6 |
| Stddev | .2 | 20.1 | .4 | 13. | .7 |
| %RSD | .0414 | 2.182 | .2735 | .2504 | .2509 |
| #1 | 444.5 | 906.8 | 150.4 | 5153. | 294.0 |
| #2 | 444.3 | 935.2 | 151.0 | 5171. | 295.1 |

Check ? Value Range
 None None None None None

Sample Name: 828749 Acquired: 5/27/2010 13:07:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.475 | -7.548 | 5352. | 1.259 | 997.6 |
| Stddev | .133 | .319 | 29. | .047 | 11.3 |
| %RSD | 1.405 | 4.228 | .5452 | 3.767 | 1.128 |
| #1 | -9.569 | -7.322 | 5332. | 1.225 | 1006. |
| #2 | -9.381 | -7.774 | 5373. | 1.293 | 989.6 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3363. | -8.204 | 351.2 | 616.9 |
| Stddev | 3. | 3.381 | .5 | 1.2 |
| %RSD | .0909 | 41.21 | .1481 | .2003 |
| #1 | 3365. | -10.60 | 351.5 | 616.0 |
| #2 | 3360. | -5.813 | 350.8 | 617.8 |

Check ? Value Range
 None None None None

Sample Name: 828749 Acquired: 5/27/2010 13:07:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 401.77 | 4162.1 | 4437.3 | 5622.8 |
| Stddev | .73 | 6.0 | 4.2 | 7.5 |
| %RSD | .18249 | .14519 | .09459 | .13385 |
| #1 | 401.25 | 4157.9 | 4434.3 | 5628.1 |
| #2 | 402.29 | 4166.4 | 4440.2 | 5617.5 |

Check ? Value Range
 None None None None

Sample Name: 828750 Acquired: 5/27/2010 13:11:24 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8203 | 104800. | 48.58 | 24.92 | 1187. |
| Stddev | .2908 | 525. | 3.47 | .45 | 6. |
| %RSD | 35.45 | .5010 | 7.145 | 1.814 | .5087 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -6.147 | 104400. | 46.13 | 24.60 | 1191. |
| #2 | -1.026 | 105200. | 51.04 | 25.24 | 1183. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.224 | 272100. | 2.634 | 68.43 | 196.6 |
| Stddev | .196 | 1144. | .021 | .27 | .6 |
| %RSD | 2.384 | .4206 | .8105 | .4008 | .2800 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 8.085 | 271200. | 2.618 | 68.62 | 196.2 |
| #2 | 8.363 | 272900. | 2.649 | 68.23 | 197.0 |

Check ? Value Range
 None None None None None

Sample Name: 828750 Acquired: 5/27/2010 13:11:24 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 278.2 | 158200. | 18800. | 59590. | 4096. |
| Stddev | .3 | 459. | 77. | 282. | 5. |
| %RSD | .1160 | .2901 | .4087 | .4736 | .1188 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 278.4 | 158500. | 18750. | 59390. | 4099. |
| #2 | 278.0 | 157800. | 18860. | 59790. | 4092. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 165.3 | 751.7 | 176.5 | 5466. | 204.1 |
| Stddev | .0 | 14.8 | .7 | 8. | 1.2 |
| %RSD | .0077 | 1.965 | .3797 | .1392 | .5962 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 165.3 | 762.2 | 176.0 | 5460. | 203.2 |
| #2 | 165.3 | 741.3 | 177.0 | 5471. | 204.9 |

Check ? Value Range
 None None None None None

Sample Name: 828750 Acquired: 5/27/2010 13:11:24 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.77 | -4.334 | 6706. | 4.433 | 758.2 |
| Stddev | 1.98 | 3.095 | 63. | .429 | 6.2 |
| %RSD | 18.34 | 71.41 | .9451 | 9.672 | .8118 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -9.370 | -6.522 | 6751. | 4.130 | 753.8 |
| #2 | -12.16 | -2.145 | 6661. | 4.736 | 762.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2814. | -10.62 | 288.1 | 584.5 |
| Stddev | .3 | .05 | .3 | .5 |
| %RSD | .1105 | .5023 | .1141 | .0929 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2816. | -10.58 | 288.4 | 584.2 |
| #2 | 2812. | -10.66 | 287.9 | 584.9 |

Check ? Value Range
 None None None None

Sample Name: 828750 Acquired: 5/27/2010 13:11:24 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 406.35 | 4086.1 | 4363.8 | 5515.4 |
| Stddev | 1.08 | 17.2 | 13.4 | 28.1 |
| %RSD | .26649 | .42179 | .30606 | .50874 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 405.59 | 4073.9 | 4354.4 | 5535.3 |
| #2 | 407.12 | 4098.3 | 4373.3 | 5495.6 |

Sample Name: 828751 Acquired: 5/27/2010 13:15:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1206 | 88570. | 34.79 | -5.890 | 893.2 |
| Stddev | .0375 | 143. | .27 | 1.460 | .4 |
| %RSD | 31.11 | .1615 | .7827 | 24.78 | .0486 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .0941 | 88470. | 34.60 | -6.922 | 893.5 |
| #2 | .1471 | 88670. | 34.98 | -4.858 | 892.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.58 | 102400. | 7.023 | 88.95 | 413.6 |
| Stddev | .07 | 263. | .094 | .16 | .3 |
| %RSD | .5300 | .2570 | 1.344 | .1752 | .0812 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 13.53 | 102200. | 6.956 | 88.84 | 413.9 |
| #2 | 13.63 | 102600. | 7.090 | 89.06 | 413.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828751 Acquired: 5/27/2010 13:15:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1318. | 175300. | 37360. | 74590. | 6135. |
| Stddev | 2. | 83. | 168. | 224. | 2. |
| %RSD | .1149 | .0471 | .4495 | .2998 | .0295 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 1319. | 175200. | 37240. | 74430. | 6136. |
| #2 | 1317. | 175300. | 37480. | 74750. | 6133. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2429. | 1189. | 262.7 | 8948. | 679.3 |
| Stddev | 1. | 11. | .6 | 20. | 1.4 |
| %RSD | .0298 | .9149 | .2423 | .2222 | .2115 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2429. | 1181. | 262.2 | 8933. | 678.3 |
| #2 | 2430. | 1197. | 263.1 | 8962. | 680.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828751 Acquired: 5/27/2010 13:15:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.728 | -4.405 | 8771. | -4.356 | 717.6 |
| Stddev | .055 | .414 | 41. | .311 | 2.9 |
| %RSD | .6301 | 9.405 | .4653 | 7.150 | .4068 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -8.767 | -4.698 | 8800. | -4.135 | 719.7 |
| #2 | -8.689 | -4.112 | 8742. | -4.576 | 715.5 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6526. | -17.10 | 403.5 | 1071. |
| Stddev | 3. | 1.05 | .4 | 2. |
| %RSD | .0490 | 6.130 | .1068 | .1925 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 6528. | -17.84 | 403.9 | 1069. |
| #2 | 6523. | -16.35 | 403.2 | 1072. |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828751 Acquired: 5/27/2010 13:15:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 403.06 | 4247.2 | 4500.3 | 5654.3 |
| Stddev | .59 | 8.5 | 1.2 | 17.6 |
| %RSD | .14758 | .19932 | .02672 | .31039 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 403.48 | 4253.2 | 4501.1 | 5641.9 |
| #2 | 402.63 | 4241.2 | 4499.4 | 5666.7 |

Sample Name: 828752 Acquired: 5/27/2010 13:19:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.423 | 114100. | 72.36 | 21.17 | 1026. |
| Stddev | .466 | .222 | .27 | .61 | 10. |
| %RSD | 32.72 | .1946 | .3688 | 2.886 | .9497 |
| #1 | -1.752 | 114300. | 72.17 | 20.74 | 1033. |
| #2 | -1.094 | 113900. | 72.54 | 21.61 | 1019. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.708 | 183300. | 3.656 | 78.91 | 262.3 |
| Stddev | .287 | 538. | .204 | .11 | 5 |
| %RSD | 2.956 | .2933 | 5.572 | .1412 | .1830 |
| #1 | 9.910 | 183700. | 3.800 | 78.99 | 261.9 |
| #2 | 9.505 | 183000. | 3.512 | 78.83 | 262.6 |

Check ? Value Range
 None None None None None

Sample Name: 828752 Acquired: 5/27/2010 13:19:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 461.2 | 181400. | 22550. | 67450. | 4775. |
| Stddev | 1.0 | 59. | 5. | 69. | 13. |
| %RSD | .2178 | .0324 | .0222 | .1028 | .2674 |
| #1 | 461.9 | 181400. | 22550. | 67500. | 4766. |
| #2 | 460.5 | 181400. | 22540. | 67400. | 4784. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 463.3 | 725.3 | 195.4 | 5623. | 266.9 |
| Stddev | 1.0 | 1.9 | .8 | 1. | 1.5 |
| %RSD | .2241 | .2555 | .4295 | .0236 | .5794 |
| #1 | 464.1 | 726.6 | 196.0 | 5624. | 265.8 |
| #2 | 462.6 | 724.0 | 194.8 | 5622. | 268.0 |

Check ? Value Range
 None None None None None

Sample Name: 828752 Acquired: 5/27/2010 13:19:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.74 | -5.461 | 6477. | 1.518 | 607.8 |
| Stddev | .36 | 4.607 | 33. | .935 | 4.0 |
| %RSD | 3.344 | 84.36 | .5047 | 61.63 | .6602 |
| #1 | -10.99 | -2.203 | 6500. | 2.179 | 604.9 |
| #2 | -10.48 | -8.718 | 6454. | .8563 | 610.6 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3694. | -11.76 | 330.6 | 758.7 |
| Stddev | .2 | .25 | .6 | .8 |
| %RSD | .0623 | 2.096 | .1794 | .1088 |
| #1 | 3696. | -11.59 | 331.0 | 758.1 |
| #2 | 3692. | -11.94 | 330.2 | 759.3 |

Check ? Value Range
 None None None None

Sample Name: 828752 Acquired: 5/27/2010 13:19:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 406.11 | 4130.0 | 4393.9 | 5482.9 |
| Stddev | 3.75 | 10.8 | 21.2 | 22.3 |
| %RSD | .92271 | .26174 | .48167 | .40612 |
| #1 | 403.46 | 4122.4 | 4378.9 | 5467.1 |
| #2 | 408.76 | 4137.7 | 4408.9 | 5498.6 |

Check ? Value Range
 None None None None

Sample Name: 828753 Acquired: 5/27/2010 13:23:30 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5370 | 107400. | 63.30 | 10.42 | 571.1 |
| Stddev | .1555 | 916. | 2.02 | .73 | 8.5 |
| %RSD | 28.97 | .8529 | 3.193 | 7.036 | 1.486 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | -4270 | 108000. | 61.87 | 10.94 | 577.1 |
| #2 | -6470 | 106800. | 64.73 | 9.903 | 565.1 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.82 | 58320. | 6.441 | 89.26 | 238.0 |
| Stddev | .23 | 562. | .008 | .03 | .4 |
| %RSD | 2.111 | .9641 | .1239 | .0301 | .1624 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 10.98 | 58720. | 6.447 | 89.24 | 237.8 |
| #2 | 10.66 | 57920. | 6.435 | 89.28 | 238.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828753 Acquired: 5/27/2010 13:23:30 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 596.8 | 195000. | 20210. | 62020. | 5580. |
| Stddev | 2.4 | 337. | 142. | 550. | 15. |
| %RSD | .4090 | .1726 | .7012 | .8861 | .2638 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 595.1 | 194800. | 20310. | 62400. | 5569. |
| #2 | 598.5 | 195300. | 20110. | 61630. | 5590. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 692.7 | 693.4 | 199.2 | 5940. | 527.0 |
| Stddev | .6 | 37.1 | 1.6 | 3. | 3.4 |
| %RSD | .0898 | 5.344 | .7839 | .0502 | .6363 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 692.3 | 719.6 | 200.3 | 5942. | 524.6 |
| #2 | 693.2 | 667.2 | 198.1 | 5938. | 529.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828753 Acquired: 5/27/2010 13:23:30 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.73 | -8.198 | 4589. | 3.721 | 560.4 |
| Stddev | 1.03 | 1.006 | 29. | .830 | 4.4 |
| %RSD | 9.623 | 12.27 | .6348 | 22.29 | .7851 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -11.46 | -8.909 | 4610. | 3.134 | 563.5 |
| #2 | -9.999 | -7.487 | 4568. | 4.307 | 557.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3294. | -12.58 | 343.1 | 1091. |
| Stddev | 1. | .35 | .4 | 2. |
| %RSD | .0325 | 2.810 | .1302 | .1932 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3295. | -12.33 | 343.4 | 1089. |
| #2 | 3293. | -12.83 | 342.8 | 1092. |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828753 Acquired: 5/27/2010 13:23:30 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 418.67 | 4211.4 | 4470.5 | 5545.7 |
| Stddev | .10 | 11.2 | 3.4 | 8.4 |
| %RSD | .02464 | .26481 | .07561 | .15167 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 418.60 | 4219.3 | 4472.9 | 5539.8 |
| #2 | 418.75 | 4203.5 | 4468.1 | 5551.7 |

Sample Name: 828754 Acquired: 5/27/2010 13:27:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.481 | 95030. | 45.65 | -6.972 | 749.6 |
| Stddev | .557 | .276 | .07 | .850 | 6.7 |
| %RSD | 22.46 | .2900 | .1630 | 12.19 | .8872 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | 2.087 | 94840. | 45.60 | -7.573 | 754.3 |
| #2 | 2.875 | 95220. | 45.70 | -6.371 | 744.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 14.89 | 220400. | 11.22 | 106.5 | 438.7 |
| Stddev | .06 | 350. | .12 | .2 | .0 |
| %RSD | .3872 | .1588 | 1.096 | .1494 | .0047 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 14.93 | 220200. | 11.13 | 106.4 | 438.8 |
| #2 | 14.85 | 220700. | 11.30 | 106.6 | 438.7 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828754 Acquired: 5/27/2010 13:27:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1626. | 203500. | 38970. | 81670. | 8978. |
| Stddev | . | 49. | 103. | 229. | 58. |
| %RSD | .0029 | .0240 | .2633 | .2801 | .6510 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 1626. | 203500. | 39050. | 81510. | 8937. |
| #2 | 1626. | 203400. | 38900. | 81830. | 9019. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2722. | 1440. | 317.8 | 10050. | 715.4 |
| Stddev | 12. | 2.7 | 8. | 8. | 1.5 |
| %RSD | .4565 | .0228 | .8628 | .0841 | .2078 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | 2713. | 1441. | 315.8 | 10050. | 714.3 |
| #2 | 2731. | 1440. | 319.7 | 10060. | 716.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828754 Acquired: 5/27/2010 13:27:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -11.64 | -5.397 | 9629. | -4.506 | 1060. |
| Stddev | .50 | 1.921 | 108. | .246 | . |
| %RSD | 4.291 | 35.59 | 1.123 | 5.449 | .0175 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -11.28 | -4.039 | 9705. | -4.332 | 1060. |
| #2 | -11.99 | -6.756 | 9552. | -4.679 | 1060. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6850. | -25.49 | 438.6 | 1725. |
| Stddev | 10. | .12 | .4 | 4. |
| %RSD | .1505 | .4645 | .0858 | .2327 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 6843. | -25.40 | 438.3 | 1723. |
| #2 | 6858. | -25.57 | 438.9 | 1728. |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828754 Acquired: 5/27/2010 13:27:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 391.97 | 4212.0 | 4480.3 | 5630.0 |
| Stddev | .77 | 10.4 | .2 | 23.3 |
| %RSD | .19697 | .24604 | .00404 | .41412 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 392.51 | 4204.7 | 4480.1 | 5613.5 |
| #2 | 391.42 | 4219.4 | 4480.4 | 5646.5 |

Sample Name: 828755 Acquired: 5/27/2010 13:31:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.919 | 114300. | 74.44 | 18.15 | 576.3 |
| Stddev | .826 | 611. | 4.33 | 2.49 | 5.8 |
| %RSD | 28.30 | .5346 | 5.820 | 13.73 | 1.013 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -3.503 | 113800. | 77.50 | 19.91 | 580.5 |
| #2 | -2.334 | 114700. | 71.37 | 16.39 | 572.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.67 | 50330. | 3.693 | 83.04 | 248.9 |
| Stddev | .19 | 174. | .033 | .16 | .9 |
| %RSD | 1.786 | .3447 | .8880 | .1870 | .3582 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 10.81 | 50200. | 3.670 | 82.93 | 249.5 |
| #2 | 10.54 | 50450. | 3.717 | 83.15 | 248.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828755 Acquired: 5/27/2010 13:31:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 357.4 | 229100. | 22310. | 67400. | 4664. |
| Stddev | 1.7 | 1093. | 170. | 293. | 37. |
| %RSD | .4880 | .4771 | .7600 | .4348 | .7999 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 358.6 | 229800. | 22190. | 67190. | 4637. |
| #2 | 356.1 | 228300. | 22430. | 67610. | 4690. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 261.1 | 552.0 | 204.8 | 5846. | 325.8 |
| Stddev | .6 | 1.4 | .4 | 5. | .3 |
| %RSD | .2403 | .2589 | .2143 | .0793 | .0937 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 261.6 | 553.1 | 205.1 | 5849. | 326.0 |
| #2 | 260.7 | 551.0 | 204.5 | 5842. | 325.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828755 Acquired: 5/27/2010 13:31:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -12.69 | -9.541 | 4000. | 5.432 | 429.4 |
| Stddev | 1.51 | 1.389 | 8. | 1.399 | .6 |
| %RSD | 11.91 | 14.56 | .1969 | 25.76 | .1432 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -13.76 | -10.52 | 3995. | 6.422 | 429.8 |
| #2 | -11.62 | -8.559 | 4006. | 4.443 | 428.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|----------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477)2 | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2710. | -11.04 | 420.2 | 914.2 |
| Stddev | 10. | .06 | 2.4 | 2.1 |
| %RSD | .3635 | .5800 | .5784 | .2278 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2717. | -10.99 | 421.9 | 915.7 |
| #2 | 2703. | -11.09 | 418.5 | 912.7 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828755 Acquired: 5/27/2010 13:31:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 419.85 | 4181.5 | 4446.2 | 5483.3 |
| Stddev | .27 | 13.0 | 10.8 | 40.7 |
| %RSD | .06337 | .31147 | .24396 | .74235 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 419.66 | 4172.3 | 4438.5 | 5512.1 |
| #2 | 420.04 | 4190.7 | 4453.8 | 5454.5 |

Sample Name: 828756 Acquired: 5/27/2010 13:35:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.668 | 102000. | 45.33 | 19.10 | 797.3 |
| Stddev | .273 | 71. | 3.84 | .15 | 4.8 |
| %RSD | 16.38 | .0699 | 8.480 | 8094 | .6079 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -1.861 | 101900. | 48.05 | 18.99 | 800.7 |
| #2 | -1.474 | 102000. | 42.61 | 19.21 | 793.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.222 | 171100. | 2.985 | 66.39 | 176.5 |
| Stddev | .248 | 42. | .029 | .42 | .1 |
| %RSD | 3.011 | .0247 | .9545 | .6307 | .0581 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 8.047 | 171200. | 3.005 | 66.10 | 176.4 |
| #2 | 8.398 | 171100. | 2.965 | 66.69 | 176.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828756 Acquired: 5/27/2010 13:35:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 229.6 | 157600. | 15050. | 55080. | 3455. |
| Stddev | .6 | 356. | 56. | 130. | 21. |
| %RSD | .2403 | .2256 | .3721 | .2353 | .6134 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 229.2 | 157400. | 15010. | 54980. | 3440. |
| #2 | 230.0 | 157900. | 15090. | 55170. | 3470. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 113.9 | 631.4 | 160.0 | 4283. | 194.7 |
| Stddev | .1 | 3.7 | 1.1 | 4. | 1.9 |
| %RSD | .0557 | .5898 | .6664 | .1040 | .9843 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 113.9 | 634.1 | 160.7 | 4286. | 196.1 |
| #2 | 113.8 | 628.8 | 159.2 | 4280. | 193.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828756 Acquired: 5/27/2010 13:35:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.926 | -7.388 | 4512. | 5.760 | 617.2 |
| Stddev | .197 | 3.709 | 25. | .920 | 2.7 |
| %RSD | 1.980 | 50.21 | .5607 | 15.97 | .4392 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -9.787 | -4.765 | 4494. | 5.110 | 615.3 |
| #2 | -10.07 | -10.01 | 4530. | 6.410 | 619.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWRD) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2477. | -8.812 | 251.0 | 631.7 |
| Stddev | .7 | 1.697 | .5 | .4 |
| %RSD | .2760 | 19.25 | .1794 | .0609 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2472. | -7.613 | 250.7 | 632.0 |
| #2 | 2482. | -10.01 | 251.4 | 631.4 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828756 Acquired: 5/27/2010 13:35:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 413.69 | 4123.9 | 4369.8 | 5393.3 |
| Stddev | 4.24 | 5.1 | 9.1 | .9 |
| %RSD | 1.0255 | .12406 | .20844 | .01601 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 410.69 | 4127.5 | 4363.4 | 5392.7 |
| #2 | 416.69 | 4120.3 | 4376.3 | 5393.9 |

Sample Name: 828757 Acquired: 5/27/2010 13:39:34 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.869 | 93360. | 77.03 | -6.031 | 871.3 |
| Stddev | .237 | 719. | 3.20 | .295 | 11.1 |
| %RSD | 2.407 | .7696 | 4.155 | 4.901 | 1.268 |
| #1 | 9.701 | 93860. | 74.76 | -6.240 | 879.1 |
| #2 | 10.04 | 92850. | 79.29 | -5.822 | 863.5 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 15.62 | 189100. | 23.79 | 118.2 | 411.0 |
| Stddev | .20 | 1824. | .12 | .1 | .3 |
| %RSD | 1.269 | .9650 | .5033 | .1142 | .0680 |
| #1 | 15.76 | 190300. | 23.70 | 118.1 | 410.8 |
| #2 | 15.48 | 187800. | 23.87 | 118.3 | 411.2 |

Check ? Value Range
 None None None None None

Sample Name: 828757 Acquired: 5/27/2010 13:39:34 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1367. | 220400. | 33000. | 76110. | 10830. |
| Stddev | 12. | 2178. | 168. | 657. | 66. |
| %RSD | .8498 | .9883 | .5078 | .8628 | .6109 |
| #1 | 1359. | 218800. | 33120. | 76580. | 10780. |
| #2 | 1375. | 221900. | 32890. | 75650. | 10880. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1782. | 1504. | 361.1 | 8593. | 1036. |
| Stddev | 9. | 6. | .8 | 13. | 4. |
| %RSD | .4918 | .3932 | .2287 | .1550 | .3525 |
| #1 | 1776. | 1500. | 360.5 | 8584. | 1033. |
| #2 | 1788. | 1508. | 361.7 | 8602. | 1038. |

Check ? Value Range
 None None None None None

Sample Name: 828757 Acquired: 5/27/2010 13:39:34 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -15.89 | -5.055 | 9826. | -6.629 | 933.4 |
| Stddev | 2.40 | .342 | 113. | .753 | 3.0 |
| %RSD | 15.10 | 6.771 | 1.149 | 11.36 | .3265 |
| #1 | -14.19 | -5.297 | 9746. | -6.096 | 931.3 |
| #2 | -17.58 | -4.813 | 9906. | -7.161 | 935.6 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWRD) | (In2306) | (Y_HWRD) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6460. | -28.81 | 381.2 | 3366. |
| Stddev | 64. | .00 | 3.8 | 2. |
| %RSD | .9841 | .0080 | .9937 | .0630 |
| #1 | 6415. | -28.81 | 378.5 | 3365. |
| #2 | 6505. | -28.81 | 383.8 | 3368. |

Check ? Value Range
 None None None None

Sample Name: 828757 Acquired: 5/27/2010 13:39:34 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWRD | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 401.12 | 4189.4 | 4445.3 | 5573.0 |
| Stddev | 1.26 | 15.0 | 19.1 | 4.7 |
| %RSD | .31408 | .35915 | .42949 | .08358 |
| #1 | 400.23 | 4200.0 | 4431.8 | 5576.3 |
| #2 | 402.01 | 4178.8 | 4458.8 | 5569.7 |

Check ? Value Range
 None None None None

Sample Name: CCV Acquired: 5/27/2010 13:43:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.52 | 31150. | 105.8 | 725.2 | 201.7 |
| Stddev | .31 | 45. | 1.7 | 2.7 | .9 |
| %RSD | .3113 | .1456 | 1.652 | .3742 | .4541 |
| #1 | 99.74 | 31180. | 104.6 | 723.3 | 201.1 |
| #2 | 99.30 | 31120. | 107.0 | 727.2 | 202.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 102.0 | 30940. | 100.2 | 195.4 | 200.1 |
| Stddev | .3 | 104. | .8 | .4 | .8 |
| %RSD | .2787 | .3352 | .8376 | .2261 | .4024 |
| #1 | 102.2 | 31010. | 99.58 | 195.1 | 200.7 |
| #2 | 101.8 | 30860. | 100.8 | 195.7 | 199.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 13:43:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 190.0 | 31230. | 30990. | 31240. | 199.7 |
| Stddev | .6 | 139. | 69. | 89. | 1.2 |
| %RSD | .3280 | .4440 | .2212 | .2853 | .5987 |
| #1 | 190.4 | 31330. | 30940. | 31300. | 200.5 |
| #2 | 189.5 | 31130. | 31040. | 31180. | 198.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P_-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_-LWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 207.0 | 31210. | 193.0 | 212.3 | 417.7 |
| Stddev | .7 | 48. | .6 | 3.6 | 1.3 |
| %RSD | .3252 | .1538 | .3268 | 1.689 | .3121 |
| #1 | 206.5 | 31240. | 192.6 | 214.9 | 418.6 |
| #2 | 207.4 | 31170. | 193.5 | 209.8 | 416.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 13:43:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_-LWAX) | (Y_-LWAX) | (Y_HWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 296.2 | 101.0 | 1033. | 200.4 | 312.0 |
| Stddev | .2 | 1.8 | .8 | .3 | .3 |
| %RSD | .0519 | 1.818 | .7752 | .1313 | .1050 |
| #1 | 296.3 | 99.73 | 1039. | 200.5 | 311.8 |
| #2 | 296.1 | 102.3 | 1028. | 200.2 | 312.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 406.7 | 102.4 | 203.5 | 204.7 |
| Stddev | 2.2 | 2.3 | .4 | .0 |
| %RSD | .5333 | 2.206 | .2120 | .0167 |
| #1 | 408.2 | 104.0 | 203.8 | 204.7 |
| #2 | 405.1 | 100.8 | 203.2 | 204.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 13:43:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_-LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 423.26 | 3886.4 | 4125.2 | 5025.5 |
| Stddev | 3.17 | 24.1 | 14.9 | 8.7 |
| %RSD | .74999 | .62082 | .36238 | .17292 |
| #1 | 421.02 | 3869.3 | 4114.6 | 5019.4 |
| #2 | 425.51 | 3903.4 | 4135.8 | 5031.7 |

Sample Name: CCB Acquired: 5/27/2010 13:47:23 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1030 | 12.61 | 1.706 | 1.293 | 1.395 |
| Stddev | .5816 | 17.98 | 1.364 | .563 | 1.353 |
| %RSD | 564.5 | 142.6 | 79.99 | 43.54 | 97.02 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.3082 | 25.33 | 2.670 | 1.691 | 2.352 |
| #2 | .5143 | -.1027 | .7409 | .8947 | .4379 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0292 | 29.92 | .1120 | .2972 | .2878 |
| Stddev | .0559 | 18.33 | .1327 | .1603 | .0692 |
| %RSD | 191.4 | 61.25 | 118.5 | 53.92 | 24.05 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.0103 | 42.89 | .0182 | .1839 | .3367 |
| #2 | .0687 | 16.96 | .2058 | .4106 | .2388 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/27/2010 13:47:23 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2248 | 48.85 | -112.3 | 5.252 | 1.245 |
| Stddev | .1754 | 4.41 | 34.8 | 2.995 | .079 |
| %RSD | 78.03 | 9.028 | 31.03 | 57.02 | 6.357 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -.1008 | 51.96 | -136.9 | 3.135 | 1.301 |
| #2 | -.3488 | 45.73 | -87.63 | 7.370 | 1.189 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.013 | -2.607 | -.0443 | -4.082 | .3071 |
| Stddev | .401 | 57.04 | .0733 | .142 | .1872 |
| %RSD | 39.55 | 2188. | 165.6 | 3.478 | 60.94 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 1.297 | -42.94 | .0076 | -3.982 | .1748 |
| #2 | .7299 | 37.73 | -.0961 | -4.183 | .4394 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/27/2010 13:47:23 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.573 | .8408 | 3.963 | .3567 | .2611 |
| Stddev | 2.082 | .5270 | 2.150 | 1.148 | .0153 |
| %RSD | 132.4 | 62.68 | 54.25 | 321.8 | 5.872 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -1.007 | 1.213 | 5.483 | 1.168 | .2719 |
| #2 | -3.044 | .4681 | 2.443 | -.4550 | .2502 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .9466 | -.0542 | .6234 | .3461 |
| Stddev | .2331 | .0210 | .1911 | .0586 |
| %RSD | 24.63 | 38.65 | 30.66 | 16.94 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 1.111 | -.0394 | .7586 | .3875 |
| #2 | .7817 | -.0691 | .4883 | .3046 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCB Acquired: 5/27/2010 13:47:23 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 458.72 | 3963.4 | 4234.3 | 5040.4 |
| Stddev | 1.41 | 25.8 | 12.0 | 52.0 |
| %RSD | .30811 | .65044 | .28339 | 1.0315 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 459.72 | 3945.1 | 4242.8 | 5003.6 |
| #2 | 457.72 | 3981.6 | 4225.8 | 5077.2 |

Sample Name: 828758 Acquired: 5/27/2010 13:51:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.218 | 127000. | 63.80 | 19.20 | 760.4 |
| Stddev | .153 | 295. | 3.68 | .68 | 6.6 |
| %RSD | 6.889 | .2320 | 5.772 | 3.557 | .8683 |
| #1 | 2.326 | 126800. | 66.41 | 19.69 | 755.8 |
| #2 | 2.110 | 127200. | 61.20 | 18.72 | 765.1 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.35 | 83910. | 6.777 | 94.35 | 273.9 |
| Stddev | .25 | 285. | .024 | .82 | .0 |
| %RSD | 2.207 | .3391 | .3470 | .8659 | .0060 |
| #1 | 11.53 | 83710. | 6.761 | 93.77 | 273.9 |
| #2 | 11.17 | 84110. | 6.794 | 94.93 | 273.9 |

Check ? Value Range
 None None None None None

Sample Name: 828758 Acquired: 5/27/2010 13:51:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 582.7 | 221000. | 26620. | 67220. | 5618. |
| Stddev | .2 | 508. | 106. | 193. | 36. |
| %RSD | .0381 | .2297 | .3976 | .2873 | .6400 |
| #1 | 582.5 | 220600. | 26540. | 67090. | 5592. |
| #2 | 582.8 | 221300. | 26690. | 67360. | 5643. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 495.6 | 689.8 | 222.2 | 5853. | 427.9 |
| Stddev | 1.8 | 24.3 | .9 | 8. | 1.2 |
| %RSD | .3647 | 3.528 | .4241 | .1374 | .2703 |
| #1 | 494.3 | 707.0 | 221.5 | 5847. | 428.8 |
| #2 | 496.9 | 672.5 | 222.9 | 5859. | 427.1 |

Check ? Value Range
 None None None None None

Sample Name: 828758 Acquired: 5/27/2010 13:51:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -13.00 | -6.544 | 4281. | 2.241 | 522.3 |
| Stddev | .93 | 1.050 | 18. | .793 | .1 |
| %RSD | 7.141 | 16.05 | .4102 | 35.41 | .0287 |
| #1 | -13.65 | -5.801 | 4269. | 2.802 | 522.2 |
| #2 | -12.34 | -7.286 | 4294. | 1.680 | 522.4 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3890. | -14.15 | 337.6 | 1203. |
| Stddev | 3. | .59 | .9 | 1. |
| %RSD | .0879 | 4.140 | .2567 | .0448 |
| #1 | 3888. | -13.74 | 337.0 | 1203. |
| #2 | 3893. | -14.56 | 338.2 | 1204. |

Check ? Value Range
 None None None None

Sample Name: 828758 Acquired: 5/27/2010 13:51:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 418.49 | 4251.9 | 4541.6 | 5641.8 |
| Stddev | 1.72 | 1.2 | 8.6 | 48.0 |
| %RSD | .41051 | .02765 | .18854 | .85053 |
| #1 | 417.27 | 4252.8 | 4535.5 | 5675.7 |
| #2 | 419.70 | 4251.1 | 4547.6 | 5607.9 |

Check ? Value Range
 None None None None

Sample Name: 828759 Acquired: 5/27/2010 13:55:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.437 | 92750. | 41.17 | 29.25 | 1401. |
| Stddev | .003 | 127. | 2.09 | .91 | 2. |
| %RSD | .1825 | .1371 | 5.074 | 3.118 | .1258 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -1.435 | 92840. | 42.64 | 29.90 | 1402. |
| #2 | -1.439 | 92660. | 39.69 | 28.61 | 1400. |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.772 | 250100. | 2.092 | 45.22 | 127.6 |
| Stddev | .165 | 545. | .099 | .07 | .1 |
| %RSD | 2.435 | .2177 | 4.741 | .1640 | .0527 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 6.656 | 250500. | 2.022 | 45.27 | 127.7 |
| #2 | 6.889 | 249800. | 2.163 | 45.17 | 127.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828759 Acquired: 5/27/2010 13:55:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 208.3 | 118200. | 17060. | 45830. | 2506. |
| Stddev | 1.0 | 150. | 24. | 2. | 2. |
| %RSD | .4693 | .1269 | .1424 | .0053 | .0978 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 207.6 | 118100. | 17070. | 45830. | 2505. |
| #2 | 209.0 | 118300. | 17040. | 45830. | 2508. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 215.3 | 703.7 | 103.0 | 3791. | 138.1 |
| Stddev | .3 | 6.7 | .7 | 15. | 1.6 |
| %RSD | .1192 | .9482 | .6314 | .3840 | 1.159 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 215.1 | 698.9 | 102.6 | 3801. | 137.0 |
| #2 | 215.4 | 708.4 | 103.5 | 3781. | 139.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828759 Acquired: 5/27/2010 13:55:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.181 | -3.984 | 4651. | 1.125 | 759.1 |
| Stddev | .801 | .354 | 14. | .234 | 6.7 |
| %RSD | 9.792 | 8.887 | .3111 | 20.82 | .8854 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -8.748 | -3.734 | 4640. | 1.291 | 763.8 |
| #2 | -7.615 | -4.235 | 4661. | .9598 | 754.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2638. | -7.437 | 244.7 | 421.4 |
| Stddev | .044 | .044 | .3 | 1.0 |
| %RSD | .0021 | .5875 | .1167 | .2402 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2638. | -7.468 | 244.5 | 422.1 |
| #2 | 2638. | -7.406 | 244.9 | 420.7 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828759 Acquired: 5/27/2010 13:55:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 410.54 | 4102.5 | 4370.0 | 5415.1 |
| Stddev | .95 | 10.9 | 7.4 | 10.2 |
| %RSD | .23054 | .26543 | .16961 | .18748 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.87 | 4094.8 | 4364.8 | 5407.9 |
| #2 | 411.21 | 4110.2 | 4375.3 | 5422.2 |

Sample Name: 828760 Acquired: 5/27/2010 13:59:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5161 | 79040. | 33.64 | -6.104 | 734.9 |
| Stddev | .2102 | 3. | 1.02 | .142 | 0 |
| %RSD | 40.72 | .0044 | 3.032 | 2.320 | .0018 |

| | | | | | |
|---------|-------|--------|-------|--------|-------|
| #1 | -3675 | 79040. | 34.36 | -6.004 | 734.9 |
| #2 | -6647 | 79040. | 32.92 | -6.204 | 734.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.50 | 136500. | 6.684 | 100.6 | 365.5 |
| Stddev | .03 | 243. | .042 | .2 | .2 |
| %RSD | .2587 | .1777 | .6351 | .1914 | .0478 |

| | | | | | |
|---------|-------|---------|-------|-------|-------|
| #1 | 11.48 | 136700. | 6.714 | 100.5 | 365.4 |
| #2 | 11.52 | 136400. | 6.654 | 100.8 | 365.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828760 Acquired: 5/27/2010 13:59:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1239. | 180600. | 37260. | 70650. | 5612. |
| Stddev | 3. | 191. | 40. | 273. | 71. |
| %RSD | .2215 | .1060 | .1069 | .3870 | 1.256 |

| | | | | | |
|---------|-------|---------|--------|--------|-------|
| #1 | 1241. | 180700. | 37240. | 70840. | 5661. |
| #2 | 1237. | 180500. | 37290. | 70460. | 5562. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2664. | 1048. | 282.1 | 8074. | 462.0 |
| Stddev | 1. | 22. | 0 | 7. | .2 |
| %RSD | .0215 | 2.083 | .0162 | .0855 | .0540 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 2664. | 1033. | 282.1 | 8069. | 462.1 |
| #2 | 2664. | 1063. | 282.0 | 8079. | 461.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828760 Acquired: 5/27/2010 13:59:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -11.44 | -4.208 | 6495. | -3.548 | 944.1 |
| Stddev | 2.26 | 3.594 | 15. | .558 | 6.6 |
| %RSD | 19.73 | 85.42 | .2346 | 15.71 | .6985 |

| | | | | | |
|---------|--------|--------|-------|--------|-------|
| #1 | -9.842 | -1.666 | 6484. | -3.153 | 939.4 |
| #2 | -13.03 | -6.749 | 6506. | -3.942 | 948.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6077. | -15.64 | 384.7 | 1015. |
| Stddev | 10. | 3.86 | .9 | 3. |
| %RSD | .1639 | 24.69 | .2239 | .2904 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 6084. | -18.37 | 385.3 | 1013. |
| #2 | 6069. | -12.91 | 384.1 | 1017. |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828760 Acquired: 5/27/2010 13:59:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 403.30 | 4169.0 | 4430.0 | 5514.1 |
| Stddev | .58 | 4.2 | 7.0 | 14.4 |
| %RSD | .14394 | .10013 | .15894 | .26129 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 403.71 | 4172.0 | 4435.0 | 5524.2 |
| #2 | 402.89 | 4166.0 | 4425.0 | 5503.9 |

Sample Name: 828761 Acquired: 5/27/2010 14:03:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.0527 | 127800. | 77.10 | 12.04 | 635.2 |
| Stddev | .2170 | 850. | 1.57 | .29 | 3.0 |
| %RSD | 411.8 | .6650 | 2.033 | 2.385 | .4676 |
| #1 | -2.061 | 127200. | 75.99 | 12.25 | 633.1 |
| #2 | .1007 | 128400. | 78.21 | 11.84 | 637.3 |

Check ?
 Value
 Range

None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.78 | 66530. | 6.493 | 89.57 | 304.8 |
| Stddev | .04 | 158. | .185 | .63 | .1 |
| %RSD | .3112 | .2377 | 2.846 | .7034 | .0272 |
| #1 | 11.81 | 66410. | 6.362 | 90.02 | 304.7 |
| #2 | 11.76 | 66640. | 6.623 | 89.12 | 304.8 |

Check ?
 Value
 Range

None None None None None

Sample Name: 828761 Acquired: 5/27/2010 14:03:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 627.5 | 228000. | 23980. | 73550. | 5759. |
| Stddev | 3.0 | 681. | 2. | 252. | 4. |
| %RSD | .4734 | .2987 | .0068 | .3425 | .0663 |
| #1 | 629.6 | 228500. | 23980. | 73370. | 5761. |
| #2 | 625.4 | 227600. | 23980. | 73730. | 5756. |

Check ?
 Value
 Range

None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 826.8 | 741.9 | 229.6 | 5879. | 1335. |
| Stddev | 1.6 | 27.2 | .9 | 12. | 6. |
| %RSD | .1914 | 3.665 | .3734 | .2003 | .4392 |
| #1 | 825.7 | 761.2 | 229.0 | 5871. | 1339. |
| #2 | 827.9 | 722.7 | 230.3 | 5887. | 1331. |

Check ?
 Value
 Range

None None None None None

Sample Name: 828761 Acquired: 5/27/2010 14:03:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -11.47 | -3.369 | 4664. | 4.141 | 620.4 |
| Stddev | 1.43 | 2.753 | 45. | .512 | 3.6 |
| %RSD | 12.51 | 81.71 | .9573 | 12.38 | .5778 |
| #1 | -10.46 | -5.316 | 4696. | 3.778 | 622.9 |
| #2 | -12.49 | -1.423 | 4633. | 4.503 | 617.9 |

Check ?
 Value
 Range

None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3722. | -13.67 | 405.4 | 1191. |
| Stddev | 11. | .22 | .2 | 1. |
| %RSD | .2968 | 1.619 | .0547 | .0936 |
| #1 | 3730. | -13.51 | 405.3 | 1190. |
| #2 | 3714. | -13.83 | 405.6 | 1192. |

Check ?
 Value
 Range

None None None None

Sample Name: 828761 Acquired: 5/27/2010 14:03:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 414.61 | 4199.6 | 4470.1 | 5512.6 |
| Stddev | 1.04 | 8.9 | 10.8 | 38.2 |
| %RSD | .25188 | .21236 | .24214 | .69375 |
| #1 | 413.87 | 4205.9 | 4477.7 | 5539.7 |
| #2 | 415.34 | 4193.3 | 4462.4 | 5485.6 |

Sample Name: 828762 Acquired: 5/27/2010 14:07:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.189 | 98770. | 45.28 | -8.313 | 806.8 |
| Stddev | .6991 | 44. | 2.16 | .353 | 4.1 |
| %RSD | 76.08 | .0445 | 4.780 | 4.247 | .5031 |
| #1 | -4.246 | 98800. | 43.75 | -8.063 | 803.9 |
| #2 | -1.413 | 98740. | 46.81 | -8.562 | 809.6 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 15.79 | 226600. | 11.36 | 109.8 | 463.5 |
| Stddev | .17 | 152. | .16 | .1 | .6 |
| %RSD | 1.060 | .0672 | 1.408 | .0759 | .1289 |
| #1 | 15.67 | 226700. | 11.25 | 109.7 | 463.9 |
| #2 | 15.90 | 226500. | 11.48 | 109.9 | 463.0 |

Check ? Value Range
 None None None None None

Sample Name: 828762 Acquired: 5/27/2010 14:07:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1543. | 205100. | 41350. | 85010. | 9012. |
| Stddev | 4. | 362. | 11. | 148. | 79. |
| %RSD | .2903 | .1767 | .0260 | .1735 | .8799 |
| #1 | 1546. | 205400. | 41340. | 85110. | 8956. |
| #2 | 1540. | 204900. | 41350. | 84900. | 9068. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3081. | 1437. | 327.2 | 10300. | 624.1 |
| Stddev | 15. | 31. | .5 | 6. | 2.6 |
| %RSD | .4734 | 2.140 | .1609 | .0600 | .4203 |
| #1 | 3070. | 1459. | 327.6 | 10290. | 625.9 |
| #2 | 3091. | 1415. | 326.9 | 10300. | 622.2 |

Check ? Value Range
 None None None None None

Sample Name: 828762 Acquired: 5/27/2010 14:07:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.410 | -4.555 | 8877. | -5.370 | 1170. |
| Stddev | 2.258 | 4.395 | 16. | .547 | 6. |
| %RSD | 23.99 | 96.50 | .1852 | 10.18 | .4816 |
| #1 | -7.813 | -1.447 | 8889. | -4.983 | 1166. |
| #2 | -11.01 | -7.663 | 8866. | -5.756 | 1174. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7418. | -25.19 | 462.7 | 1759. |
| Stddev | 14. | 2.96 | .5 | 1. |
| %RSD | .1850 | 11.74 | .1043 | .0612 |
| #1 | 7428. | -23.10 | 463.1 | 1758. |
| #2 | 7409. | -27.29 | 462.4 | 1760. |

Check ? Value Range
 None None None None

Sample Name: 828762 Acquired: 5/27/2010 14:07:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 392.46 | 4242.3 | 4506.7 | 5604.6 |
| Stddev | .08 | 8.1 | .6 | 11.1 |
| %RSD | .01981 | .19021 | .01291 | .19741 |
| #1 | 392.40 | 4248.0 | 4506.2 | 5596.8 |
| #2 | 392.51 | 4236.6 | 4507.1 | 5612.4 |

Sample Name: 828763 Acquired: 5/27/2010 14:11:20 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.137 | 122500. | 53.49 | 21.30 | 765.6 |
| Stddev | .102 | 277. | .74 | 1.40 | 5.1 |
| %RSD | 4.778 | .2262 | 1.387 | 6.561 | .6598 |
| #1 | -2.065 | 122700. | 54.01 | 20.31 | 762.1 |
| #2 | -2.210 | 122300. | 52.97 | 22.29 | 769.2 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.07 | 121100. | 3.852 | 80.25 | 248.7 |
| Stddev | .10 | 435. | .144 | .33 | .0 |
| %RSD | .9601 | .3593 | 3.727 | .4062 | .0015 |
| #1 | 9.998 | 121400. | 3.751 | 80.02 | 248.7 |
| #2 | 10.13 | 120800. | 3.954 | 80.48 | 248.7 |

Check ? Value Range
 None None None None None

Sample Name: 828763 Acquired: 5/27/2010 14:11:20 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 366.3 | 194800. | 19910. | 63630. | 4606. |
| Stddev | .7 | 56. | 165. | 293. | 9. |
| %RSD | .1871 | .0286 | .8307 | .4603 | .1886 |
| #1 | 365.8 | 194700. | 20030. | 63830. | 4600. |
| #2 | 366.8 | 194800. | 19800. | 63420. | 4612. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 335.9 | 725.2 | 204.7 | 5032. | 255.9 |
| Stddev | 1.3 | 2.6 | .0 | . | 1.1 |
| %RSD | .3910 | .3570 | .0155 | .0058 | .4165 |
| #1 | 336.8 | 723.4 | 204.7 | 5031. | 256.7 |
| #2 | 335.0 | 727.1 | 204.7 | 5032. | 255.2 |

Check ? Value Range
 None None None None None

Sample Name: 828763 Acquired: 5/27/2010 14:11:20 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -13.77 | -7.014 | 4893. | 1.288 | 681.3 |
| Stddev | 1.75 | 4.388 | 37. | .025 | .2 |
| %RSD | 12.70 | 62.56 | .7639 | 1.963 | .0361 |
| #1 | -15.00 | -3.911 | 4920. | 1.306 | 681.1 |
| #2 | -12.53 | -10.12 | 4867. | 1.270 | 681.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3225. | -12.59 | 311.2 | 838.8 |
| Stddev | 5. | .53 | .2 | .2 |
| %RSD | .1601 | 4.188 | .0497 | .0198 |
| #1 | 3221. | -12.21 | 311.3 | 838.9 |
| #2 | 3228. | -12.96 | 311.1 | 838.7 |

Check ? Value Range
 None None None None

Sample Name: 828763 Acquired: 5/27/2010 14:11:20 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 416.40 | 4191.5 | 4443.3 | 5456.0 |
| Stddev | 1.42 | 11.9 | 6.6 | 1.7 |
| %RSD | .34126 | .28271 | .14854 | .03034 |
| #1 | 417.40 | 4199.9 | 4447.9 | 5454.8 |
| #2 | 415.39 | 4183.1 | 4438.6 | 5457.2 |

Sample Name: CCV Acquired: 5/27/2010 14:15:23 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.95 | 31110. | 103.6 | 717.2 | 196.3 |
| Stddev | 1.16 | 97. | 2.7 | 2.6 | 2.4 |
| %RSD | 1.183 | .3129 | 2.575 | .3606 | 1.203 |
| #1 | 98.77 | 31180. | 105.4 | 715.4 | 197.9 |
| #2 | 97.13 | 31040. | 101.7 | 719.0 | 194.6 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.3 | 30920. | 98.99 | 193.9 | 198.6 |
| Stddev | .0 | 97. | .17 | .6 | .1 |
| %RSD | .0487 | .3139 | .1702 | .3296 | .0754 |
| #1 | 101.3 | 30850. | 99.11 | 194.3 | 198.7 |
| #2 | 101.4 | 30990. | 98.87 | 193.4 | 198.5 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 14:15:23 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 187.8 | 31080. | 30830. | 31120. | 196.2 |
| Stddev | .4 | 194. | 141. | 56. | 1.7 |
| %RSD | .2216 | .6238 | .4574 | .1802 | .8647 |
| #1 | 188.1 | 30920. | 30930. | 31160. | 195.0 |
| #2 | 187.5 | 31190. | 30730. | 31080. | 197.4 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 203.8 | 31140. | 191.4 | 210.6 | 413.0 |
| Stddev | .4 | 84. | .6 | 1.8 | .8 |
| %RSD | .2145 | .2685 | .3110 | .8476 | .1858 |
| #1 | 204.1 | 31200. | 191.0 | 209.3 | 413.6 |
| #2 | 203.5 | 31080. | 191.8 | 211.8 | 412.5 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 14:15:23 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 297.3 | 102.3 | 1022. | 198.1 | 312.1 |
| Stddev | 1.8 | 2.2 | 3. | .3 | 2.9 |
| %RSD | .6160 | 2.131 | .3109 | .1593 | .9225 |
| #1 | 298.6 | 100.8 | 1020. | 198.3 | 314.1 |
| #2 | 296.0 | 103.9 | 1024. | 197.8 | 310.0 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 400.2 | 101.3 | 201.5 | 202.7 |
| Stddev | .3 | 1.6 | 1.2 | .6 |
| %RSD | .0706 | 1.604 | .5772 | .3113 |
| #1 | 400.0 | 102.5 | 200.6 | 202.2 |
| #2 | 400.4 | 100.2 | 202.3 | 203.1 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 14:15:23 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 425.79 | 3904.2 | 4146.7 | 4979.9 |
| Stddev | .19 | 26.7 | 1.2 | 13.0 |
| %RSD | .04530 | .68423 | .02999 | .26186 |
| #1 | 425.66 | 3923.0 | 4147.6 | 4970.7 |
| #2 | 425.93 | 3885.3 | 4145.8 | 4989.2 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 14:19:12 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|----------------|--------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4963 | 20.01 | -1.462 | 1.426 | 2.623 |
| Stddev | .0462 | 31.86 | .305 | .462 | 2.708 |
| %RSD | 9.312 | 159.3 | 20.90 | 32.36 | 103.3 |
| #1 | .5290 | 42.53 | -1.678 | 1.752 | 4.538 |
| #2 | .4636 | -2.524 | -1.246 | 1.100 | .7075 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1550 | 42.42 | .1249 | -.2329 | .2435 |
| Stddev | .0273 | 22.87 | .0260 | .0428 | .0104 |
| %RSD | 17.61 | 53.92 | 20.81 | 18.39 | 4.290 |
| #1 | -.1743 | 26.25 | .1065 | -.2027 | .2508 |
| #2 | -.1357 | 58.60 | .1433 | -.2632 | .2361 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 14:19:12 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|----------------|----------------|--------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1282 | 25.61 | -143.7 | 9.110 | .7931 |
| Stddev | .2432 | 1.48 | 25.4 | 2.382 | .0328 |
| %RSD | 189.7 | 5.764 | 17.64 | 26.15 | 4.138 |
| #1 | .3002 | 26.66 | -125.8 | 10.79 | .8163 |
| #2 | -.0438 | 24.57 | -161.7 | 7.425 | .7699 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| | | | | | |
|--------|---------------|--------------|---------------|---------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.227 | 5.630 | .7546 | -2.099 | -1.018 |
| Stddev | .047 | 5.286 | .4268 | .745 | 2.728 |
| %RSD | 3.828 | 93.89 | 56.56 | 35.49 | 267.8 |
| #1 | 1.260 | 1.892 | 1.056 | -1.572 | -2.947 |
| #2 | 1.194 | 9.367 | .4528 | -2.625 | .9103 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 14:19:12 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|---------------|---------------|---------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6532 | .5377 | .9424 | .6699 | .2200 |
| Stddev | .8300 | 2.995 | 4.940 | .4967 | .0029 |
| %RSD | 127.1 | 557.0 | 524.2 | 74.14 | 1.299 |
| #1 | -.0662 | 2.656 | 4.435 | .3187 | .2220 |
| #2 | -1.240 | -1.580 | -2.551 | 1.021 | .2180 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| | | | | |
|--------|----------------|---------------|----------------|---------------|
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .8256 | -1.071 | .0521 | .1075 |
| Stddev | .6567 | 2.336 | .5673 | .0356 |
| %RSD | 79.54 | 218.1 | 1090. | 33.16 |
| #1 | 1.290 | .5808 | -.3491 | .0823 |
| #2 | .3612 | -2.723 | .4532 | .1327 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 14:19:12 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 457.71 | 3950.2 | 4232.8 | 4993.1 |
| Stddev | .38 | 15.7 | 5.2 | 8.9 |
| %RSD | .08360 | .39750 | .12232 | .17773 |
| #1 | 457.98 | 3961.3 | 4229.1 | 4986.9 |
| #2 | 457.44 | 3939.1 | 4236.4 | 4999.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass



Sample Preparation – Metals

| STANDARD TRACEABILITY RECORDS | | |
|-------------------------------------|----------------------|--|
| ICP-OES Instrument | | |
| Date: 5/27/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 052710-01 | IFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052710-02 | IFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | Lot Number | |
| Used for all methods | | |
| STD 7: | MESTD7W 00012 | |
| STD 8: | MESTD8W 00008 | |
| STD 4: | MESTD4W 00012 | |
| ICV: | MEICVW 00005 | |
| CCV: | MECCVW 00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME 5%2% RINSEW 00015 | |
| Internal Standard Solution: | MEICP7ISW 00007 | |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | ME 6010 ICSAW 00008 | |
| ICSAB 6010: | ME 6010 ICSABW 00001 | |
| CRI 6010: | ME 6010 CAIW 00006 | |
| DOD LRV Solution: | | |
| 6010 Post Spiking Solution: | ME SPIKE #1W 00008 | |
| 5 PPM AG: | | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | | |
| ICSA ILM05.4: | | |
| ICSAB ILM05.4: | | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

METALS DIGESTION LOG

| Batch Information: | | Method Information: | | | | Reagent & Standard Traceability: | | | |
|--------------------|----------------------|---------------------|---------|---------------------------------|---|----------------------------------|--|--|--|
| Date: 5/26/10 | Digestion Method(s): | ILM04.1. | ILM05.4 | HCl Tag ID: MEHCLACIDS - 000014 | LCS Lot # MESPKE#110008 / MESPKE#200003 | | | | |
| Start Time: 1110 | 3005AES | 3005MS | 3010AES | 3010MS | Spike Added 1.0 - 1.0 5.0 | | | | |
| Stop Time: 1515 | 3050AES | 3050MS | 200.7 | 200.8 DW | True Value see sap | | | | |
| Analyst: MN1 | TTMS | CEC | SAR | | MS Lot # MESPKE#110008 MESPKE#200003 | | | | |
| Spike Analyst: MN1 | Matrix: | Water | Soil | Tissue | Air | | | | |
| Spike Witness: MN1 | | | | | | | | | |

| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Before Digestion | | | After Digestion | | | Comments |
|------------|-----------|-------------------------------|--------------|------------------|---------|---------|-----------------|-------------|---------|----------|
| | | | | Color | Clarity | Texture | Artifacts | Color | Clarity | |
| PS5052610E | 1.00 | 1.22 | 11.00 | | | | | | | |
| LC5052610E | 1.00 | 1.15 | | | | | | | | |
| 828744 | A1 | 1.02 | | 4 Brown | | Med | | Pale Yellow | clarity | |
| 828744MS | | 1.17 | | | | | | | | |
| 828744 DP | | 1.05 | | | | | | | | |
| 828745 | | 1.10 | | | | | | | | |
| 828746 | | 1.27 | | | | | | | | |
| 828747 | | 1.06 | | | | | | | | |
| 828748 | | 1.02 | | | | | | | | |
| 828749 | | 1.10 | | | | | | | | |
| 828750 | | 1.03 | | | | | | | | |
| 828751 | | 1.02 | | | | | | | | |
| 828752 | | 1.19 | | | | | | | | |
| 828753 | | 1.25 | | | | | | | | |
| 828754 | | 1.25 | | | | | | | | |
| 828755 | | 1.23 | | | | | | | | |
| 828756 | | 1.08 | | | | | | | | |
| 828757 | | 1.15 | | | | | | | | |
| 828758 | | 1.22 | | | | | | | | |
| 828759 | | 1.03 | | | | | | | | |
| 828760 | | 1.06 | | | | | | | | |
| 828761 | | 1.18 | | | | | | | | |
| 828762 | | 1.29 | | | | | | | | |
| 828763 | | 1.04 | | | | | | | | |

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature: Block 1 22°C Block 3 22°C Block 5 95°C Block 7 22°C
 Block 2 22°C Block 4 22°C Block 6 95°C Block 8 22°C



Sample Handling

| | | | |
|---|--|----------------------------------|--|
| FedEx 0004 OF 0006 MPS# 8716 0065 9981 Mstr# 8675 7103 9650 0215 | | XH BTVA 05403 VT-US BTV | |
| Name / P.O. / Suite / Room () | | Company Street Add City | |



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Emp# 588578 03MAY10 APAA

252

TUE - 04 MAY AA
 PRIORITY OVERNIGHT

| TestAmerica Burlington | | | |
|--|---------------------------------------|-------------------------------------|-------------------------------------|
| SAMPLE RECEIPT & LOG IN CHECKLIST | | | |
| Client: <u>URSCOD</u> | Date Received: <u>05/04/10</u> | Log In Date: <u>05/04/10</u> | |
| ETR: <u>137161</u> | Time Received: <u>10:15</u> | By: <u>[Signature]</u> | |
| SDG: <u>137161</u> | Received By: <u>VP</u> | Signature: <u>[Signature]</u> | |
| Project: <u>29600</u> | # Coolers Received: <u>6</u> | PM Signature: <u>[Signature]</u> | |
| Samples Delivered By: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify) | | Date: <u>05.06.10</u> | |
| List Air bill Number(s) or Attach a photocopy of the Air Bill: | | | |
| COOLER SCREEN | | | |
| There is <u>no</u> evidence to indicate tampering | YES | NO | NA |
| Custody seals are present and intact | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Custody seal numbers are present | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If yes, list custody seal numbers: | | | |
| Thermal Preservation Type: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other (specify) | | | |
| IR Gun ID: <u>96</u> | Correction Factor (CF) = <u>-2</u> °C | | |
| Cooler 1: <u>2.0</u> °C | Cooler 6: <u>4.3</u> °C | Cooler 11: °C | Cooler 16: °C |
| Cooler 2: <u>2.2</u> °C | Cooler 7: °C | Cooler 12: °C | Cooler 17: °C |
| Cooler 3: <u>4.2</u> °C | Cooler 8: °C | Cooler 13: °C | Cooler 18: °C |
| Cooler 4: <u>0.6</u> °C | Cooler 9: °C | Cooler 14: °C | Cooler 19: °C |
| Cooler 5: <u>2.8</u> °C | Cooler 10: °C | Cooler 15: °C | Cooler 20: °C |
| Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun | | | |
| EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen. | | | |
| Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified. | | | |
| SAMPLE CONDITION | | | |
| Sample containers were received intact | YES | NO | NA |
| Legible sample labels are affixed to each container | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CHAIN OF CUSTODY (COC) | | | |
| COC is present and includes the following information for each container: | YES | NO | NA |
| • Sample ID / Sample Description | <input checked="" type="checkbox"/> | | |
| • Date of Sample Collection | <input checked="" type="checkbox"/> | | |
| • Time of Sample Collection | <input checked="" type="checkbox"/> | | |
| • Identification of the Sampler | <input checked="" type="checkbox"/> | | |
| • Preservation Type | | | <input checked="" type="checkbox"/> |
| • Requested Tests Method(s) | <input checked="" type="checkbox"/> | | |
| • Necessary Signatures | <input checked="" type="checkbox"/> | | |
| Internal Chain of Custody (ICOC) Required | | <input checked="" type="checkbox"/> | |
| If yes to above, ICOC Record initiated for every Worksheet | | | <input checked="" type="checkbox"/> |
| SAMPLE INTEGRITY / USABILITY | | | |
| The sample container matches the COC | YES | NO | NA |
| Appropriate sample containers were received for the tests requested | <input checked="" type="checkbox"/> | | |
| Samples were received within holding time | <input checked="" type="checkbox"/> | | |
| Sufficient amount of sample is provided for requested analyses | <input checked="" type="checkbox"/> | | |
| VOA vials do not have headspace or a bubble >6mm (1/4" diameter) | | | <input checked="" type="checkbox"/> |
| Appropriate preservatives were used for the tests requested | | | <input checked="" type="checkbox"/> |
| pH of inorganic samples checked and is within method specification | | | <input checked="" type="checkbox"/> |
| If no, attach Inorganic Sample pH Adjustment Form | | | <input checked="" type="checkbox"/> |
| ANOMALY / NCR SUMMARY | | | |
| <u>All values in this log are real in 1 of 6 coolers at 2.8°C, copy of air bill attached.</u> | | | |

TestAmerica
South Burlington, VT
Extended Data Package

137164

TestAmerica Laboratories, Inc.

June 1, 2010

Mr. Sheri O'Conner
URS Operating Services, Inc.
1099 18th Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: CMI; SDG: 137164

Dear Mr. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137164 | | | |
| 828790 | CVR1TR2-3-T01N-TLG | 04/29/10 | SOIL |
| 828791 | CVR1TR3-1-T01N-SOL | 04/27/10 | SOIL |
| 828792 | CVR1TR3-1-T02D-SOL | 04/27/10 | SOIL |
| 828793 | CVR1TR3-1-T01N-TLG | 04/27/10 | SOIL |
| 828794 | CVR1TR3-1-T02N-SOL | 04/27/10 | SOIL |
| 828795 | CVR1TR3-1-T03N-SOL | 04/27/10 | SOIL |
| 828796 | CVR1TR3-3-T01N-SOL | 04/28/10 | SOIL |
| 828796DP | CVR1TR3-3-T01N-SOLREP | 04/28/10 | SOIL |
| 828796MD | CVR1TR3-3-T01N-SOLMSD | 04/28/10 | SOIL |
| 828797 | CVR1TR3-3-T01N-TLG | 04/28/10 | SOIL |
| 828798 | CVR1TR3-3-T02N-SOL | 04/28/10 | SOIL |
| 828799 | CVR1TR3-3-T03N-SOL | 04/28/10 | SOIL |
| 828800 | CVR1TR3-2-T01N-SOL | 04/28/10 | SOIL |
| 828801 | CVR1TR3-2-T01N-TLG | 04/28/10 | SOIL |
| 828802 | CVR1TR3-2-T02N-SOL | 04/28/10 | SOIL |
| 828803 | CVR1TR3-2-T03N-SOL | 04/28/10 | SOIL |
| 828804 | CVR1TR2-3-T02N-SOL | 05/01/10 | SOIL |
| 828805 | CVR2TR1-3-T01N-SOL | 04/30/10 | SOIL |
| 828806 | CVR2TR1-3-T01N-TLG | 04/30/10 | SOIL |
| 828807 | CVR2TR1-3-T03N-SOL | 05/01/10 | SOIL |
| 828808 | CVR2TR2-1-T01N-SOL | 04/29/10 | SOIL |
| 828809 | CVR2TR2-1-T01N-TLG | 04/29/10 | SOIL |



Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B

There were no exceptions to the method quality criteria during the analysis of these samples.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joseph Carabillo', is written over a light blue horizontal line.

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|---|------------|
| Chain of Custody..... | 2 |
| Sample Report Summary Wet Chemistry | 7 |
| Supportive Documentation Wet Chemistry | 29 |
| Sample Report Summary Metals | 33 |
| QC Summary Metals | 55 |
| Supportive Documentation Metals | 77 |
| Sample Preparation Metals | 124 |
| Sample Handling | 127 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody

[illegible]

W:\General\Chemistry\COC Forms\URS General.doc 11/3/06 11:52 AM



Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR2-3-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828790

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 89.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 89.8 | |

Printed on: 05/05/10 01:21 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-1-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828791

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|------------------------|---------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.6 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-1-T02D-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828792

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.5 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-1-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828793

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 94.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|------------------------|---------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 94.7 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-1-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828794

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.2 | |

Printed on: 05/05/10 01:21 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-1-T03N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828795

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 94.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 94.5 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR1TR3-3-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828796

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.5 | |

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WET CHEMISTRY
Duplicate Sample Report Summary

Client Sample No.
CVR1TR3-3-T01N-SOLRE

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828796DP

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | Sample Result Conc. Qual. | | Duplicate Sample Result Conc. Qual. | | RPD ¹ |
|--------|-----------------|---------------------|------------------|-------|------------------------------|--|--|--|------------------|
| IN623 | Solids, Percent | 05/04/10 | | % | 95.5 | | 95.7 | | 0.2 |

¹ - Control Limit for RPD is +/- 20%, unless otherwise specified.

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-3-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828797

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 96.0 | |

Printed on: 05/05/10 01:21 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-3-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828798

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.5 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-3-T03N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828799

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 96.2 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-2-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828800

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 94.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 94.6 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-2-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828801

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.0 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-2-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828802

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN823 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 96.2 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR1TR3-2-T03N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828803

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.3 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR1TR2-3-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828804

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.3 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR2TR1-3-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828805

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 96.6 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-3-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828806

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.3 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-3-T03N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828807

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 96.4 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-1-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828808

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 96.9 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR2TR2-1-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137164

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828809

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 93.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 93.4 | |

Printed on: 05/05/10 01:21 PM



Supportive Documentation – Wet Chemistry



Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

| | | | | | | |
|-------------------------------------|---------|-----------------|-----------------------------|-----------------------------------|----------------|------------------|
| Analysis Start Date: 5/4/2010 | | Oven ID: 2 | | Analysis End Date: 5/5/2010 | | |
| Analysis Start Time: 20:20 | | Time In: 21:30 | | Analysis End Time: 10:45 | | |
| Start Analyst: MNT | | Time Out: 10:20 | | End Analyst: MNT | | |
| Start Analyst Signature: <i>MNT</i> | | | | End Analyst Signature: <i>MNT</i> | | |
| | | | | | | |
| LAB ID | Dish ID | Dish Weight | Weight of Dish + Wet Sample | Weight of Dish + Dry Sample | Percent Solids | Percent Moisture |
| | | (g) | (g) | (g) | (%) | (%) |
| 828307 | 1 | 0.97 | 9.11 | 7.35 | 78.4 | 22 |
| 828744 | 2 | 0.99 | 9.53 | 8.65 | 89.7 | 10 |
| 828744DP | 3 | 0.98 | 8.12 | 7.39 | 89.8 | 10 |
| 828745 | 4 | 0.99 | 9.04 | 8.64 | 95.0 | 5 |
| 828746 | 5 | 1.01 | 9.51 | 9.08 | 94.9 | 5 |
| 828747 | 6 | 0.99 | 8.66 | 7.78 | 88.5 | 12 |
| 828748 | 7 | 0.99 | 7.26 | 6.80 | 92.7 | 7 |
| 828749 | 8 | 0.96 | 11.59 | 10.79 | 92.5 | 8 |
| 828750 | 9 | 1.00 | 9.53 | 8.95 | 93.2 | 7 |
| 828751 | 10 | 0.96 | 8.09 | 7.37 | 89.9 | 10 |
| 828752 | 11 | 1.00 | 10.96 | 10.50 | 95.4 | 5 |
| 828753 | 12 | 0.99 | 7.73 | 6.97 | 88.7 | 11 |
| 828754 | 13 | 0.99 | 11.03 | 10.64 | 96.1 | 4 |
| 828755 | 14 | 1.01 | 11.04 | 10.68 | 96.4 | 4 |
| 828756 | 15 | 0.98 | 9.14 | 8.59 | 93.3 | 7 |
| 828757 | 16 | 0.96 | 7.17 | 6.48 | 88.9 | 11 |
| 828758 | 17 | 1.00 | 10.18 | 9.75 | 95.3 | 5 |
| 828759 | 18 | 1.00 | 9.28 | 8.53 | 90.9 | 9 |
| 828760 | 19 | 0.99 | 8.69 | 8.29 | 94.8 | 5 |
| 828761 | 20 | 0.96 | 9.88 | 9.39 | 94.5 | 6 |
| 828762 | 21 | 0.98 | 8.00 | 7.18 | 88.3 | 12 |
| 828763 | 22 | 0.99 | 11.89 | 11.35 | 95.0 | 5 |
| 828790 | 23 | 0.98 | 7.85 | 7.15 | 89.8 | 10 |
| 828791 | 24 | 0.97 | 9.89 | 9.50 | 95.6 | 4 |
| 828792 | 25 | 0.98 | 10.80 | 10.36 | 95.5 | 5 |
| 828793 | 26 | 1.01 | 10.01 | 9.53 | 94.7 | 5 |
| 828794 | 27 | 1.00 | 11.41 | 10.91 | 95.2 | 5 |
| 828795 | 28 | 0.99 | 11.00 | 10.45 | 94.5 | 6 |
| 828796 | 29 | 0.98 | 9.05 | 8.69 | 95.5 | 5 |
| 828796DP | 30 | 0.98 | 9.54 | 9.17 | 95.7 | 4 |

Calculation: Percent Wet Weight = $\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)

Percent Solids Determination

| | | | | | | |
|-------------------------------------|---------|--------------------|---------------------------------------|---------------------------------------|-----------------------|-------------------------|
| Analysis Start Date: 5/4/2010 | | Oven ID: 2 | | Analysis End Date: 5/5/2010 | | |
| Analysis Start Time: 20:20 | | Time In: 21:30 | | Analysis End Time: 10:45 | | |
| Start Analyst: MNT | | Time Out: 10:20 | | End Analyst: MNT | | |
| Start Analyst Signature: <i>MNT</i> | | | | End Analyst Signature: <i>MNT</i> | | |
| | | | | | | |
| LAB ID | Dish ID | Dish Weight (g) | Weight of Dish + Wet Sample (g) | Weight of Dish + Dry Sample (g) | Percent Solids (%) | Percent Moisture (%) |
| 828797 | 31 | 1.01 | 8.92 | 8.60 | 96.0 | 4 |
| 828798 | 32 | 1.00 | 10.34 | 9.92 | 95.5 | 5 |
| 828799 | 33 | 0.98 | 8.40 | 8.12 | 96.2 | 4 |
| 828800 | 34 | 0.98 | 9.84 | 9.36 | 94.6 | 5 |
| 828801 | 35 | 1.00 | 8.26 | 7.90 | 95.0 | 5 |
| 828802 | 36 | 0.99 | 11.88 | 11.47 | 96.2 | 4 |
| 828803 | 37 | 1.01 | 8.85 | 8.48 | 95.3 | 5 |
| 828804 | 38 | 0.99 | 10.68 | 10.22 | 95.3 | 5 |
| 828805 | 39 | 1.00 | 9.14 | 8.86 | 96.6 | 3 |
| 828806 | 40 | 0.98 | 9.85 | 9.43 | 95.3 | 5 |
| 828807 | 41 | 0.98 | 7.90 | 7.65 | 96.4 | 4 |
| 828808 | 42 | 0.96 | 9.05 | 8.80 | 96.9 | 3 |
| 828809 | 43 | 0.98 | 7.96 | 7.50 | 93.4 | 7 |
| 828828 | 44 | 1.02 | 10.64 | 9.91 | 92.4 | 8 |
| 828829 | 45 | 1.00 | 9.58 | 9.13 | 94.8 | 5 |
| 828830 | 46 | 0.98 | 9.08 | 8.65 | 94.7 | 5 |
| 828830DP | 47 | 0.98 | 9.45 | 9.05 | 95.3 | 5 |
| 828831 | 48 | 0.96 | 8.65 | 8.23 | 94.5 | 6 |
| 828832 | 49 | 0.98 | 9.95 | 9.26 | 92.3 | 8 |
| 828833 | 50 | 0.99 | 8.60 | 8.33 | 96.5 | 4 |
| 828834 | 51 | 0.99 | 9.28 | 8.98 | 96.4 | 4 |
| 828835 | 52 | 0.99 | 9.26 | 8.89 | 95.5 | 5 |
| 828836 | 53 | 0.98 | 11.33 | 10.83 | 95.2 | 5 |
| 828837 | 54 | 0.98 | 8.02 | 7.54 | 93.2 | 7 |
| 828838 | 55 | 1.00 | 7.78 | 7.51 | 96.0 | 4 |
| 828839 | 56 | 0.98 | 7.97 | 7.63 | 95.1 | 5 |
| 828840 | 57 | 0.97 | 10.78 | 10.38 | 95.9 | 4 |
| 828841 | 58 | 0.98 | 10.14 | 9.80 | 96.3 | 4 |
| 828842 | 59 | 0.98 | 10.62 | 10.15 | 95.1 | 5 |
| 828843 | 60 | 0.97 | 9.98 | 9.61 | 95.9 | 4 |

Calculation: Percent Wet Weight = $\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164

SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|---------------------|----------------|
| CVR1TR2-3-T01N-TLG | 828790 |
| CVR1TR2-3-T02N-SOL | 828804 |
| CVR1TR3-1-T01N-SOL | 828791 |
| CVR1TR3-1-T01N-TLG | 828793 |
| CVR1TR3-1-T02D-SOL | 828792 |
| CVR1TR3-1-T02N-SOL | 828794 |
| CVR1TR3-1-T03N-SOL | 828795 |
| CVR1TR3-2-T01N-SOL | 828800 |
| CVR1TR3-2-T01N-TLG | 828801 |
| CVR1TR3-2-T02N-SOL | 828802 |
| CVR1TR3-2-T03N-SOL | 828803 |
| CVR1TR3-3-T01N-SOL | 828796 |
| CVR1TR3-3-T01N-SOLD | 828796D |
| CVR1TR3-3-T01N-SOLS | 828796S |
| CVR1TR3-3-T01N-TLG | 828797 |
| CVR1TR3-3-T02N-SOL | 828798 |
| CVR1TR3-3-T03N-SOL | 828799 |
| CVR2TR1-3-T01N-SOL | 828805 |
| CVR2TR1-3-T01N-TLG | 828806 |
| CVR2TR1-3-T03N-SOL | 828807 |
| CVR2TR2-1-T01N-SOL | 828808 |
| CVR2TR2-1-T01N-TLG | 828809 |

Were ICP interelement corrections applied? Yes/No YESWere ICP background corrections applied? Yes/No YESIf yes-were raw data generated before
application of background corrections? Yes/No NOComments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

COVER PAGE - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-3-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828790
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 89.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 239 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-3-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828804
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 70.9 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-1-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828791
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 5.0 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-1-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828793
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 143 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-1-T02D-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828792
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 23.6 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-1-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828794
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 25.5 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-1-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828795
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 7.0 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-2-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828800
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 17.4 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-2-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828801
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 180 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-2-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828802
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 27.5 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-2-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828803
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 24.7 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-3-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828796
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 13.1 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-3-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828797
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 123 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-3-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828798
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 22.6 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-3-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828799
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 37.2 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-3-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828805
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 131 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-3-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828806
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 208 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-3-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828807
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 143 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-1-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828808
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 20.0 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-1-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164
Matrix (soil/water): SOIL Lab Sample ID: 828809
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 93.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 371 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: pale yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN



QC Summary – Metals

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164Initial Calibration Source: Inorganic Ventures/FisherContinuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 516.60 | 103.3 | 200.0 | 200.40 | 100.2 | 198.90 | 99.4 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&G SAS No.: SDG No.: 137164

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 201.40 | 100.7 | 209.20 | 104.6 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|------------|------|-------|----|-----------------------|-------|-------|-------|----|
| | True | Found | %R | Initial | | Final | | |
| | True | Found | %R | True | Found | %R | Found | %R |
| Molybdenum | | | | 10.0 | 12.92 | 129.2 | | |

Control Limits: no limits have been established by EPA at this time

Form IIB-IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | C | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|------------|--------------------------------------|---|--|---|-----|---|-----|---|----------------------|---|---|
| | | | 1 | C | 2 | C | 3 | C | | | |
| Molybdenum | 1.4 | B | 0.5 | U | 0.5 | U | 0.5 | U | 0.047 | U | P |

Form III - IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|------------|--------------------------------------|--|---|---|---|---|---|----------------------|---|---|
| | | 1 | C | 2 | C | 3 | C | | | |
| Molybdenum | | 1.9 | B | | | | | | | P |

Form III - IN

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164ICP ID Number: TJA ICAP 7 ICS Source: Inorganic VenturesConcentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|-------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | -1 | 991.6 | 100.6 | | | |

Form IV - IN

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR1TR3-3-T01N-SOLS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 95.5Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|---------------------|------|---|---|
| Molybdenum | 80 - 120 | 61.1373 | 13.1233 | 51.84 | 92.6 | | P |

Comments:

Form V (PART 1) - IN

USEPA-CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR1TR3-3-T01N-SOLA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|---------------------|------|---|---|
| Molybdenum | | 586.00 | | 134.10 | | 500.0 | 90.4 | | P |

Comments: _____

Form V (PART 2) - IN

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR1TR3-3-T01N-SOLD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 95.5 % Solids for Duplicate: 95.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) C | Duplicate (D) C | RPD | Q | M |
|------------|------------------|--------------|-----------------|------|---|---|
| Molybdenum | | 13.1233 | 15.1178 | 14.1 | | P |

Form VI - IN

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | |
|------------|----------------|-------|----|---------------|-------|---|-----------|-------|
| | True | Found | %R | True | Found | C | Limits | %R |
| Molybdenum | | | | 50.0 | 51.0 | | 40.0 60.0 | 102.0 |

Form VII - IN

USEPA-CLP FORMS

9

ICP SERIAL DILUTIONS

SAMPLE NO.

CVR1TR3-3-T01N-SOLL

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) C | Serial Dilution Result (S) C | % Differ- ence | Q | M |
|------------|-----------------------------------|------------------------------------|-------------------|---|---|
| Molybdenum | 134.10 | 137.80 | 2.8 | | P |

Form IX - IN

USEPA-CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|-----------|---------------------|-------------|----------------|---------------|---|
| Molybdenu | 202.030 | | 10 | 0.47 | P |

Comments: _____

Form X - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: SDG No.: 137164ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|---------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments: _____

Form XII - IN

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&G SAS No.: _____ SDG No.: 137164Method: P

| EPA Sample No. | Preparation Date | Initial Weight (g) | Volume (mL) |
|---------------------|---------------------|-----------------------|----------------|
| CVR1TR2-3-T01N-TLG | 5/26/2010 | 1.05 | 100.0 |
| CVR1TR2-3-T02N-SOL | 5/26/2010 | 1.07 | 100.0 |
| CVR1TR3-1-T01N-SOL | 5/26/2010 | 1.12 | 100.0 |
| CVR1TR3-1-T01N-TLG | 5/26/2010 | 1.23 | 100.0 |
| CVR1TR3-1-T02D-SOL | 5/26/2010 | 1.17 | 100.0 |
| CVR1TR3-1-T02N-SOL | 5/26/2010 | 1.07 | 100.0 |
| CVR1TR3-1-T03N-SOL | 5/26/2010 | 1.10 | 100.0 |
| CVR1TR3-2-T01N-SOL | 5/26/2010 | 1.06 | 100.0 |
| CVR1TR3-2-T01N-TLG | 5/26/2010 | 1.08 | 100.0 |
| CVR1TR3-2-T02N-SOL | 5/26/2010 | 1.09 | 100.0 |
| CVR1TR3-2-T03N-SOL | 5/26/2010 | 1.09 | 100.0 |
| CVR1TR3-3-T01N-SOL | 5/26/2010 | 1.07 | 100.0 |
| CVR1TR3-3-T01N-SOLD | 5/26/2010 | 1.12 | 100.0 |
| CVR1TR3-3-T01N-SOLS | 5/26/2010 | 1.01 | 100.0 |
| CVR1TR3-3-T01N-TLG | 5/26/2010 | 1.23 | 100.0 |
| CVR1TR3-3-T02N-SOL | 5/26/2010 | 1.07 | 100.0 |
| CVR1TR3-3-T03N-SOL | 5/26/2010 | 1.10 | 100.0 |
| CVR2TR1-3-T01N-SOL | 5/26/2010 | 1.05 | 100.0 |
| CVR2TR1-3-T01N-TLG | 5/26/2010 | 1.05 | 100.0 |
| CVR2TR1-3-T03N-SOL | 5/26/2010 | 1.04 | 100.0 |
| CVR2TR2-1-T01N-SOL | 5/26/2010 | 1.11 | 100.0 |
| CVR2TR2-1-T01N-TLG | 5/26/2010 | 1.07 | 100.0 |
| LCSS052610F | 5/26/2010 | 1.00 | 100.0 |
| PBS052610F | 5/26/2010 | 1.00 | 100.0 |

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&G SAS No.: SDG No.: 137164
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/27/2010 End Date: 5/27/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| CalibStd-Blk | 1.00 | 14:27 | | | | | X | | | | | | | | | | | | |
| STD7 | 1.00 | 14:31 | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 14:35 | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 14:39 | | | | | X | | | | | | | | | | | | |
| ICV | 1.00 | 14:43 | | | | | X | | | | | | | | | | | | |
| ICB | 1.00 | 14:47 | | | | | X | | | | | | | | | | | | |
| ICSA | 1.00 | 14:51 | | | | | X | | | | | | | | | | | | |
| ICSAB | 1.00 | 14:54 | | | | | X | | | | | | | | | | | | |
| CRI | 1.00 | 14:58 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 15:02 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 15:06 | | | | | X | | | | | | | | | | | | |
| PBS052610F | 1.00 | 15:10 | | | | | X | | | | | | | | | | | | |
| LCSS052610F | 1.00 | 15:14 | | | | | X | | | | | | | | | | | | |
| CVR1TR2-3-T01N-TLG | 1.00 | 15:18 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-1-T01N-SOL | 1.00 | 15:22 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-1-T02D-SOL | 1.00 | 15:26 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-1-T01N-TLG | 1.00 | 15:30 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-1-T02N-SOL | 1.00 | 15:34 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-1-T03N-SOL | 1.00 | 15:38 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-3-T01N-SOL | 1.00 | 15:42 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-3-T01N-SOL | 5.00 | 15:46 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 15:50 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 15:54 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-3-T01N-SOL | 1.00 | 15:57 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-3-T01N-SOL | 1.00 | 16:01 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-3-T01N-SOL | 1.00 | 16:05 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-3-T01N-TLG | 1.00 | 16:09 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-3-T02N-SOL | 1.00 | 16:13 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-3-T03N-SOL | 1.00 | 16:17 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-2-T01N-SOL | 1.00 | 16:21 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-2-T01N-TLG | 1.00 | 16:25 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-2-T02N-SOL | 1.00 | 16:29 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-2-T03N-SOL | 1.00 | 16:33 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 16:37 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 16:41 | | | | | X | | | | | | | | | | | | |

Form XIV - IN

-14-

| | | | |
|-----------------------|------------------------|-----------|-----------------|
| Lab Name: | TestAmerica Burlington | Contract: | 29000 |
| Lab Code: | STLVT | Case No.: | CMI S&G |
| | | SAS No.: | SDG No.: 137164 |
| Instrument ID Number: | TJA ICAP 7 | Method: | P |
| Start Date: | 5/27/2010 | End Date: | 5/27/2010 |

[illegible]



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: TFS

Date: 5/27/2010

Reviewed by: *Am*

Date: 5/27/10

QC Review by: *Am*

Date: 5-28-10

TJA ICAP 7

ICP METALS 6010 *B**

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis Date | Time | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----------------|---------------|----------|----|--------|---------------|------------|------------------|
| 1. CalibStd-Blk | 5/27/2010 | 14:27:33 | 1 | WATER | 052710-02.txt | | <i>Mo</i> |
| 2. STD7 | 5/27/2010 | 14:31:27 | 1 | WATER | 052710-02.txt | | |
| 3. STD8 | 5/27/2010 | 14:35:19 | 1 | WATER | 052710-02.txt | | |
| 4. STD4 | 5/27/2010 | 14:39:17 | 1 | WATER | 052710-02.txt | | |
| 5. ICV1 | 5/27/2010 | 14:43:18 | 1 | WATER | 052710-02.txt | | |
| 6. ICB1 | 5/27/2010 | 14:47:12 | 1 | WATER | 052710-02.txt | | |
| 7. ICSA1 | 5/27/2010 | 14:51:07 | 1 | WATER | 052710-02.txt | | |
| 8. ICSAB1 | 5/27/2010 | 14:54:56 | 1 | WATER | 052710-02.txt | | |
| 9. CRI1 | 5/27/2010 | 14:58:42 | 1 | WATER | 052710-02.txt | | |
| 10. CCV1 | 5/27/2010 | 15:02:35 | 1 | WATER | 052710-02.txt | | |
| 11. CCB1 | 5/27/2010 | 15:06:24 | 1 | WATER | 052710-02.txt | | |
| 12. PBS052610F | 5/27/2010 | 15:10:18 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 13. LCSS052610F | 5/27/2010 | 15:14:13 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 14. 828790 | 5/27/2010 | 15:18:07 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 15. 828791 | 5/27/2010 | 15:22:08 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 16. 828792 | 5/27/2010 | 15:26:10 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 17. 828793 | 5/27/2010 | 15:30:14 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 18. 828794 | 5/27/2010 | 15:34:16 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 19. 828795 | 5/27/2010 | 15:38:18 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 20. 828796 | 5/27/2010 | 15:42:19 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 21. 828796L | 5/27/2010 | 15:46:21 | 5 | WATER | 052710-02.txt | PBICPS0526 | |
| 22. CCV2 | 5/27/2010 | 15:50:13 | 1 | WATER | 052710-02.txt | | |
| 23. CCB2 | 5/27/2010 | 15:54:02 | 1 | WATER | 052710-02.txt | | |
| 24. 828796A | 5/27/2010 | 15:57:53 | 1 | WATER | 052710-02.txt | PBICPS0526 | |
| 25. 828796MS | 5/27/2010 | 16:01:52 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 26. 828796DP | 5/27/2010 | 16:05:52 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 27. 828797 | 5/27/2010 | 16:09:54 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 28. 828798 | 5/27/2010 | 16:13:51 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 29. 828799 | 5/27/2010 | 16:17:53 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 30. 828800 | 5/27/2010 | 16:21:55 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 31. 828801 | 5/27/2010 | 16:25:57 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 32. 828802 | 5/27/2010 | 16:29:58 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 33. 828803 | 5/27/2010 | 16:33:54 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 34. CCV3 | 5/27/2010 | 16:37:56 | 1 | WATER | 052710-02.txt | | |
| 35. CCB3 | 5/27/2010 | 16:41:44 | 1 | WATER | 052710-02.txt | | |
| 36. 828804 | 5/27/2010 | 16:45:39 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 37. 828805 | 5/27/2010 | 16:49:41 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 38. 828806 | 5/27/2010 | 16:53:41 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 39. 828807 | 5/27/2010 | 16:57:42 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 40. 828808 | 5/27/2010 | 17:01:44 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 41. 828809 | 5/27/2010 | 17:05:47 | 1 | SOIL | 052710-02.txt | PBICPS0526 | |
| 42. CCV4 | 5/27/2010 | 17:09:48 | 1 | WATER | 052710-02.txt | | |
| 43. CCB4 | 5/27/2010 | 17:13:39 | 1 | WATER | 052710-02.txt | | |

*XSD
5-28-10*

Analytical Review Report

Date Printed: 5/27/10

Data File: 052710-02.txt

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

Analysis Start Date: 5/27/2010

Start Time: 14:27:3

ICP METALS 6010

Analysis End Date: 5/27/2010

End Time: 17:13:3

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|---------|---------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.001 | 0.000 | 0.000 | 2.81 | 0.0006 | | | | |
| STD4 | 1 | | 0.800 | 0.000 | 0.000 | 0.73 | 0.80 | | | | |
| ICV1 | 1 | PASS | 516.600 | 516.000 | 517.100 | 0.15 | 516.60 | 103.3 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 1.398 | 1.763 | 1.034 | 36.85 | 1.4 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | -0.941 | -0.954 | -0.928 | 1.89 | -0.94 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 991.600 | 987.800 | 995.400 | 0.54 | 992 | 100.6 | 986 | 80 | 120 |
| CRI1 | 1 | PASS | 12.920 | 13.000 | 12.840 | 0.92 | 12.92 | 129.2 | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 200.400 | 199.700 | 201.100 | 0.49 | 200.40 | 100.2 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.161 | 0.132 | 0.191 | 26.01 | 0.2 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 198.900 | 198.900 | 198.800 | 0.02 | 198.90 | 99.4 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | -0.264 | -0.150 | -0.377 | 61.15 | -0.3 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 201.400 | 201.400 | 201.400 | 0.00 | 201.40 | 100.7 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | -0.005 | -0.072 | 0.062 | 1875.00 | 0.0 | | | | +/-10.00 |
| CCV4 | 1 | PASS | 209.200 | 209.400 | 209.000 | 0.13 | 209.20 | 104.6 | 200.0 | 90 | 110 |
| CCB4 | 1 | PASS | 1.928 | 2.228 | 1.629 | 21.97 | 1.9 | | | | +/-10.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052610F | 1 | PASS | -0.148 | 0.007 | -0.303 | 148.60 | -0.015 | | | | +/-10.00 |
| LCSS052610F | 1 | PASS | 510.400 | 509.100 | 511.700 | 0.36 | 51.0 | 102.0 | 50.0 | 40.0 | 60.0 |
| 828790 | 1 | PASS | 2255.000 | 2251.000 | 2259.000 | 0.24 | 215 | | | | |
| 828791 | 1 | PASS | 53.650 | 54.730 | 52.560 | 2.87 | 4.8 | | | | |
| 828792 | 1 | PASS | 263.500 | 263.200 | 263.800 | 0.16 | 22.5 | | | | |
| 828793 | 1 | PASS | 1663.000 | 1661.000 | 1666.000 | 0.20 | 135 | | | | |
| 828794 | 1 | PASS | 259.300 | 259.600 | 258.900 | 0.19 | 24.2 | | | | |
| 828795 | 1 | PASS | 73.270 | 73.590 | 72.950 | 0.62 | 6.7 | | | | |
| 828796 | 1 | PASS | 134.100 | 134.000 | 134.300 | 0.18 | 12.5 | | | | |
| 828796L | 5 | FAIL | 137.800 | 138.400 | 137.200 | 0.64 | 689.00 | | | | |
| 828796A | 1 | PASS | 586.000 | 584.600 | 587.400 | 0.33 | 586.00 | 90.4 | 500.0 | 80 | 120 |
| 828796MS | 1 | PASS | 589.700 | 588.700 | 590.600 | 0.23 | 58.3861 | 92.6 | 49.50 | 80 | 120 |
| 828796DP | 1 | PASS | 161.700 | 161.700 | 161.800 | 0.01 | 14.4375 | | | | |
| 828797 | 1 | PASS | 1449.000 | 1447.000 | 1452.000 | 0.21 | 118 | | | | |
| 828798 | 1 | PASS | 231.000 | 231.200 | 230.900 | 0.08 | 21.6 | | | | |
| 828799 | 1 | PASS | 394.100 | 394.200 | 393.900 | 0.06 | 35.8 | | | | |
| 828800 | 1 | PASS | 174.100 | 174.000 | 174.200 | 0.08 | 16.4 | | | | |
| 828801 | 1 | PASS | 1850.000 | 1848.000 | 1852.000 | 0.16 | 171 | | | | |
| 828802 | 1 | PASS | 288.400 | 288.600 | 288.300 | 0.05 | 26.5 | | | | |
| 828803 | 1 | PASS | 256.300 | 255.800 | 256.900 | 0.31 | 23.5 | | | | |
| 828804 | 1 | PASS | 722.700 | 722.200 | 723.300 | 0.12 | 67.5 | | | | |
| 828805 | 1 | PASS | 1330.000 | 1329.000 | 1330.000 | 0.06 | 127 | | | | |
| 828806 | 1 | PASS | 2082.000 | 2076.000 | 2089.000 | 0.46 | 198 | | | | |
| 828807 | 1 | PASS | 1435.000 | 1434.000 | 1436.000 | 0.07 | 138 | | | | |
| 828808 | 1 | PASS | 214.800 | 215.600 | 214.000 | 0.53 | 19.4 | | | | |
| 828809 | 1 | PASS | 3706.000 | 3702.000 | 3710.000 | 0.15 | 346 | | | | |

Sample Name: CalibStd-Blk Acquired: 5/27/2010 14:27:33 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0030 | -0.0007 | .0002 | .0004 | -0.0002 |
| Stddev | .0020 | .0021 | .0002 | .0002 | .0001 |
| %RSD | 67.04 | 292.4 | 98.65 | 55.92 | 41.52 |
| #1 | -0.0044 | -0.0022 | .0004 | .0006 | -0.0001 |
| #2 | -0.0016 | .0008 | .0001 | .0002 | -0.0002 |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0019 | .0004 | -0.0031 | -0.0030 | -0.0005 |
| Stddev | .0015 | .0012 | .0002 | .0004 | .0003 |
| %RSD | 77.91 | 301.1 | 5.354 | 12.98 | 58.90 |
| #1 | -0.0009 | .0013 | -0.0030 | -0.0032 | -0.0007 |
| #2 | -0.0030 | -0.0005 | -0.0032 | -0.0027 | -0.0003 |
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0496 | -0.0082 | -0.0291 | .0005 | -0.0008 |
| Stddev | .0041 | .0008 | .0001 | .0006 | .0013 |
| %RSD | 8.330 | 10.27 | .2229 | 102.8 | 162.1 |
| #1 | .0525 | -0.0088 | -0.0291 | .0002 | -0.0018 |
| #2 | .0466 | -0.0076 | -0.0290 | .0009 | .0001 |

Sample Name: CalibStd-Blk Acquired: 5/27/2010 14:27:33 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|----------------|---------------|----------------|----------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0006 | -0.0317 | .0035 | -0.0003 | -0.0083 |
| Stddev | .0000 | .0029 | .0000 | .0000 | .0008 |
| %RSD | 2.812 | 9.254 | 1.222 | 5.615 | 9.307 |
| #1 | .0006 | -0.0337 | .0034 | -0.0003 | -0.0088 |
| #2 | .0006 | -0.0296 | .0035 | -0.0003 | -0.0077 |
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0000 | .0015 | .0789 | .0002 | .0147 |
| Stddev | .0001 | .0000 | .0024 | .0002 | .0048 |
| %RSD | 391.3 | .4320 | 3.035 | 119.0 | 32.22 |
| #1 | .0001 | .0015 | .0773 | .0000 | .0181 |
| #2 | .0000 | .0015 | .0806 | .0003 | .0114 |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | |
| Avg | -0.0118 | .0002 | -0.0009 | .0024 | |
| Stddev | .0013 | .0007 | .0002 | .0002 | |
| %RSD | 10.67 | 284.9 | 23.35 | 7.484 | |
| #1 | -0.0126 | -0.0003 | -0.0011 | .0023 | |
| #2 | -0.0109 | .0007 | -0.0008 | .0025 | |

Analyst:

Sample Name: CalibStd-Blk Acquired: 5/27/2010 14:27:33 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 459.57 | 3963.0 | 4215.1 | 5002.8 |
| Stddev | 3.18 | 15.4 | 9.1 | 4.2 |
| %RSD | .69240 | .38913 | .21521 | .08339 |
| #1 | 457.32 | 3952.1 | 4208.7 | 4999.8 |
| #2 | 461.82 | 3973.9 | 4221.6 | 5005.7 |

Sample Name: STD7 Acquired: 5/27/2010 14:31:27 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 (85) | 318.128 (106) | 271.441 (124)2 | 766.490 (44) | 279.079 (121) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.810 | .8212 | 9.389 | 1.846 | .9501 |
| Stddev | .003 | .0001 | .048 | .001 | .0007 |
| %RSD | .1148 | .0144 | .5101 | .0458 | .0728 |
| #1 | 2.807 | .8211 | 9.422 | 1.846 | .9506 |
| #2 | 2.812 | .8213 | 9.355 | 1.847 | .9496 |

| | |
|--------|---------------|
| Elem | Na-LL |
| Line | 589.592 (57) |
| IS Ref | (Y_HWRD) |
| Units | Cts/S |
| Avg | 6.207 |
| Stddev | .002 |
| %RSD | .0319 |

| | |
|----|-------|
| #1 | 6.208 |
| #2 | 6.205 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_HWRD |
| Line | 224.306 (150) | 371.030 (91) |
| Units | Cts/S | Cts/S |
| Avg | 3847.9 | 4950.3 |
| Stddev | 16.7 | 22.7 |
| %RSD | .43418 | .45868 |

| | | |
|----|--------|--------|
| #1 | 3836.1 | 4966.4 |
| #2 | 3859.8 | 4934.3 |

Sample Name: STD8 Acquired: 5/27/2010 14:35:19 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|-----------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 (479) | 220.353 (453) | 206.833 (463) | 196.090 (472) | 189.989 (477)2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0590 | 3.064 | .0754 | .0426 | .1865 |
| Stddev | .0002 | .035 | .0004 | .0002 | .0002 |
| %RSD | .4201 | 1.125 | .5765 | .3707 | .0901 |
| #1 | .0589 | 3.040 | .0751 | .0425 | .1863 |
| #2 | .0592 | 3.088 | .0757 | .0427 | .1866 |
| Elem | Ti-LL | | | | |
| Line | 190.856 (477) | | | | |
| IS Ref | (In2306) | | | | |
| Units | Cts/S | | | | |
| Avg | .9435 | | | | |
| Stddev | .0098 | | | | |
| %RSD | 1.040 | | | | |
| #1 | .9365 | | | | |
| #2 | .9504 | | | | |
| Int. Std. | In2306 | Y_-LWAX | | | |
| Line | 230.606 (446) | 224.306 (450) | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 458.58 | 4248.6 | | | |
| Stddev | 3.00 | 1.6 | | | |
| %RSD | .65343 | .03685 | | | |
| #1 | 460.70 | 4249.7 | | | |
| #2 | 456.46 | 4247.5 | | | |

Sample Name: STD4 Acquired: 5/27/2010 14:39:17 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | B-LL | Ba-LL | Be-LL | Cd-HL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 208.959 (461) | 233.527 (144) | 313.042 (108) | 228.802 (447) |
| IS Ref | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.265 | .3357 | .0905 | 2.565 | .9025 |
| Stddev | .002 | .0008 | .0002 | .003 | .0011 |
| %RSD | .0741 | .2486 | .2300 | .1185 | .1193 |
| #1 | 2.266 | .3351 | .0903 | 2.567 | .9018 |
| #2 | 2.263 | .3363 | .0906 | 2.563 | .9033 |

| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
|--------|---------------|---------------|----------------|----------------|---------------|
| Line | 228.616 (447) | 205.552 (464) | 324.754 (104)2 | 257.610 (131)2 | 202.030 (467) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .9761 | 1.540 | 7.177 | 24.47 | .7997 |
| Stddev | .0028 | .000 | .020 | .05 | .0058 |
| %RSD | .2836 | .0226 | .2711 | .2166 | .7296 |
| #1 | .9742 | 1.540 | 7.191 | 24.50 | .7955 |
| #2 | .9781 | 1.541 | 7.163 | 24.43 | .8038 |

| Elem | Ni-LL | P-HL | Si-LL | Sr-LL | Ti-LL |
|--------|---------------|---------------|---------------|--------------|----------------|
| Line | 231.604 (445) | 178.284 (489) | 288.158 (117) | 407.771 (83) | 334.904 (101)2 |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .5847 | .0787 | 4.667 | 75.15 | 5.263 |
| Stddev | .0001 | .0003 | .017 | .45 | .012 |
| %RSD | .0130 | .4293 | .3626 | .6047 | .2268 |
| #1 | .5847 | .0784 | 4.679 | 74.83 | 5.272 |
| #2 | .5848 | .0789 | 4.655 | 75.48 | 5.255 |

Sample Name: STD4 Acquired: 5/27/2010 14:39:17 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | V-LL | Zn-LL2 |
|--------|----------------|---------------|
| Line | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S |
| Avg | 3.705 | 3.398 |
| Stddev | .010 | .004 |
| %RSD | .2810 | .1107 |
| #1 | 3.712 | 3.396 |
| #2 | 3.698 | 3.401 |

| Int. Std. | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|--------------|
| Line | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 3970.4 | 4232.8 | 5029.8 |
| Stddev | 1.0 | 3.4 | 19.8 |
| %RSD | .02423 | .08100 | .39275 |
| #1 | 3971.0 | 4235.3 | 5043.8 |
| #2 | 3969.7 | 4230.4 | 5015.8 |

Sample Name: ICV Acquired: 5/27/2010 14:43:18 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 489.8 | 26140. | 261.7 | 503.4 | 496.2 |
| Stddev | 1.7 | 68. | 1 | 7 | 6.7 |
| %RSD | .3454 | .2593 | .0548 | .1458 | 1.356 |

#1 488.6 26090. 261.6 502.9 491.4
 #2 491.0 26190. 261.8 503.9 500.9

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 511.0 | 25470. | 485.8 | 482.7 | 491.8 |
| Stddev | 1.0 | 104. | .0 | 4 | 1.7 |
| %RSD | .1965 | .4086 | .0004 | .0733 | .3455 |

#1 510.2 25400. 485.8 482.4 490.5
 #2 511.7 25550. 485.8 482.9 493.0

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICV Acquired: 5/27/2010 14:43:18 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 474.0 | 26030. | 25920. | 24810. | 481.1 |
| Stddev | .6 | 1. | 118. | 31. | .5 |
| %RSD | .1267 | .0038 | .4558 | .1267 | .0979 |

#1 473.6 26030. 25830. 24790. 480.8
 #2 474.4 26030. 26000. 24840. 481.4

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 516.6 | 25230. | 474.6 | 522.7 | 1014. |
| Stddev | .8 | 53. | .3 | 7 | 10. |
| %RSD | .1521 | .2097 | .0656 | .1292 | .9452 |

#1 516.0 25200. 474.8 523.2 1007.
 #2 517.1 25270. 474.4 522.2 1021.

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICV Acquired: 5/27/2010 14:43:18 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 248.1 | 256.1 | 266.5 | 230.9 | 486.5 |
| Stddev | 1.2 | .5 | .9 | .7 | 2.8 |
| %RSD | .4894 | .2115 | .3272 | .3009 | .5772 |

#1 247.3 255.7 265.8 231.4 488.5
 #2 249.0 256.5 267.1 230.4 484.5

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 506.5 | 249.0 | 509.7 | 507.4 |
| Stddev | .2 | 1.4 | .1 | 2.1 |
| %RSD | .0409 | .5819 | .0202 | .4221 |

#1 506.4 247.9 509.8 505.9
 #2 506.7 250.0 509.6 509.0

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICV Acquired: 5/27/2010 14:43:18 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 427.39 | 3888.8 | 4159.7 | 4972.8 |
| Stddev | 2.87 | 3.4 | 7.4 | 34.7 |
| %RSD | .67072 | .08699 | .17689 | .69737 |

#1 429.42 3891.2 4164.9 4997.3
 #2 425.37 3886.4 4154.5 4948.3

Sample Name: ICB Acquired: 5/27/2010 14:47:12 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.440 | -10.57 | 2.848 | 1.413 | -5.244 |
| Stddev | .7171 | 1.99 | 3.211 | .554 | 6.132 |
| %RSD | 111.3 | 18.80 | 112.7 | 39.19 | 116.9 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -1.370 | -11.97 | .5778 | 1.022 | -9.580 |
| #2 | -1.151 | -9.161 | 5.118 | 1.805 | -.9076 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1995 | -1.560 | .1092 | .1633 | .1743 |
| Stddev | .0475 | 97.54 | .0185 | .1660 | .0855 |
| %RSD | 23.83 | 6254. | 16.95 | 101.7 | 49.07 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .2331 | -70.53 | .1223 | .2806 | .2348 |
| #2 | .1659 | 67.41 | .0961 | .0459 | .1138 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/27/2010 14:47:12 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3766 | 9.377 | -4.496 | 2.066 | .2376 |
| Stddev | .3018 | 1.153 | 53.70 | 14.20 | .0010 |
| %RSD | 80.14 | 12.29 | 1195. | 687.3 | .4201 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | .5901 | 10.19 | -42.47 | -7.974 | .2383 |
| #2 | .1632 | 8.562 | 33.48 | 12.11 | .2369 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.398 | -30.31 | .2421 | -.0141 | .3164 |
| Stddev | .515 | 30.62 | .2455 | .4333 | 1.668 |
| %RSD | 36.85 | 101.0 | 101.4 | 3078. | 527.4 |

| | | | | | |
|----|-------|--------|-------|--------|--------|
| #1 | 1.763 | -8.665 | .0685 | -.3204 | 1.496 |
| #2 | 1.034 | -51.96 | .4157 | .2923 | -.8634 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/27/2010 14:47:12 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4037 | 4.161 | -1.106 | .3805 | .1109 |
| Stddev | 1.337 | .660 | .808 | .7162 | .0119 |
| %RSD | 331.3 | 15.86 | 73.10 | 188.2 | 10.73 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -.5420 | 4.628 | -.5342 | .8870 | .1194 |
| #2 | 1.349 | 3.694 | -1.677 | -.1259 | .1025 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .9340 | .4733 | .2269 | .1896 |
| Stddev | .0079 | 1.544 | .2262 | .0435 |
| %RSD | .8482 | 326.3 | 99.72 | 22.96 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | .9396 | 1.565 | .3868 | .1588 |
| #2 | .9284 | -.6187 | .0669 | .2204 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/27/2010 14:47:12 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 454.85 | 3928.0 | 4202.7 | 4929.0 |
| Stddev | 1.95 | 4.0 | 12.0 | 35.5 |
| %RSD | .42813 | .10119 | .28497 | .71980 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 453.47 | 3925.2 | 4194.2 | 4903.9 |
| #2 | 456.22 | 3930.8 | 4211.2 | 4954.1 |

LLL 318.4 2749.6 2541.9 3450.3
 ULL 591.3 5106.4 5463.5 6407.7

Sample Name: ICSA Acquired: 5/27/2010 14:51:07 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.162 | 519200. | 7.151 | 1.575 | 2.316 |
| Stddev | .192 | 2374. | 1.617 | .829 | 4.352 |
| %RSD | 8.861 | .4572 | 22.61 | 52.63 | 187.9 |

| | | | | | |
|----|--------|---------|-------|-------|--------|
| #1 | -2.026 | 517500. | 8.294 | .9891 | 5.394 |
| #2 | -2.297 | 520900. | 6.007 | 2.162 | -.7614 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1742 | 500200. | .9855 | 1.878 | 8.374 |
| Stddev | .2137 | 1999. | .0992 | .480 | .112 |
| %RSD | 122.7 | .3995 | 10.07 | 25.57 | 1.341 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -.3253 | 498800. | .9153 | 1.539 | 8.295 |
| #2 | -.0231 | 501600. | 1.056 | 2.218 | 8.454 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 5/27/2010 14:51:07 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0692 | 197600. | -1.456 | 498100. | 1.115 |
| Stddev | .5225 | 45. | 18.05 | 1566. | .063 |
| %RSD | 755.6 | .0227 | 1239. | .3144 | 5.608 |

| | | | | | |
|----|--------|---------|--------|---------|-------|
| #1 | .4386 | 197600. | -14.22 | 497000. | 1.160 |
| #2 | -.3003 | 197500. | 11.31 | 499200. | 1.071 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.9411 | 23.96 | -6.981 | 1.077 | 7.120 |
| Stddev | .0178 | 26.66 | .602 | .542 | .050 |
| %RSD | 1.887 | 111.3 | 8.619 | 50.31 | .6991 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -.9536 | 5.108 | -6.556 | 1.460 | 7.155 |
| #2 | -.9285 | 42.81 | -7.407 | .6938 | 7.084 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 5/27/2010 14:51:07 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.996 | -2.637 | 9.533 | .4790 | 15.86 |
| Stddev | 1.474 | 5.437 | 1.201 | .4251 | .08 |
| %RSD | 21.07 | 206.2 | 12.60 | 88.74 | .5028 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -5.954 | -6.482 | 8.683 | .1784 | 15.81 |
| #2 | -8.038 | 1.208 | 10.38 | .7796 | 15.92 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.962 | 4.334 | -3.122 | -4.974 |
| Stddev | .220 | 2.312 | .248 | .201 |
| %RSD | 3.686 | 53.35 | 7.930 | 4.048 |

| | | | | |
|----|-------|-------|--------|--------|
| #1 | 5.807 | 5.969 | -3.297 | -4.832 |
| #2 | 6.118 | 2.699 | -2.947 | -5.117 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 5/27/2010 14:51:07 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 362.23 | 3558.2 | 3803.5 | 4813.5 |
| Stddev | .32 | 19.5 | 9.5 | 9.1 |
| %RSD | .08752 | .54843 | .24847 | .18910 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 362.00 | 3544.4 | 3796.8 | 4819.9 |
| #2 | 362.45 | 3572.0 | 3810.2 | 4807.0 |

Sample Name: ICSAB Acquired: 5/27/2010 14:54:56 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 194.8 | 507300. | 95.77 | 1425. | 459.2 |
| Stddev | .1 | 1690. | .93 | 5. | 2.5 |
| %RSD | .0258 | .3332 | .9744 | .3705 | .5464 |
| #1 | 194.7 | 508500. | 95.11 | 1422. | 461.0 |
| #2 | 194.8 | 506100. | 96.43 | 1429. | 457.4 |

Check ?
 Value
 Range

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 499.0 | 489400. | 964.5 | 453.6 | 484.7 |
| Stddev | 1.9 | 2118. | 1.5 | 1.2 | .7 |
| %RSD | .3816 | .4327 | .1521 | .2559 | .1469 |
| #1 | 500.4 | 490900. | 963.5 | 452.8 | 485.2 |
| #2 | 497.7 | 487900. | 965.6 | 454.5 | 484.2 |

Check ?
 Value
 Range

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSAB Acquired: 5/27/2010 14:54:56 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 487.5 | 196400. | 10.77 | 484300. | 476.9 |
| Stddev | 1.6 | 1016. | 47.93 | 1477. | 1.7 |
| %RSD | .3292 | .5171 | 445.2 | .3049 | .3485 |
| #1 | 488.6 | 197200. | 44.66 | 485400. | 478.1 |
| #2 | 486.4 | 195700. | -23.12 | 483300. | 475.7 |

Check ?
 Value
 Range

Chk Pass Chk Pass None None Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 991.6 | -14.63 | 889.6 | 507.3 | 51.17 |
| Stddev | 5.3 | 1.84 | .0 | 1.0 | 3.01 |
| %RSD | .5390 | 12.61 | .0004 | .1947 | 5.886 |
| #1 | 987.8 | -15.93 | 889.6 | 508.0 | 49.04 |
| #2 | 995.4 | -13.32 | 889.6 | 506.6 | 53.30 |

Check ?
 Value
 Range

Chk Pass None Chk Pass Chk Pass Chk Pass

Sample Name: ICSAB Acquired: 5/27/2010 14:54:56 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 571.6 | 38.23 | 1021. | 1385. | 243.6 |
| Stddev | 6.9 | 6.15 | 9. | 1. | .0 |
| %RSD | 1.203 | 16.10 | .8479 | .0433 | .0112 |
| #1 | 566.8 | 33.87 | 1027. | 1386. | 243.6 |
| #2 | 576.5 | 42.58 | 1015. | 1385. | 243.7 |

Check ?
 Value
 Range

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 504.1 | 92.18 | 512.1 | 986.6 |
| Stddev | .5 | .43 | 1.6 | .8 |
| %RSD | .0961 | .4659 | .3164 | .0785 |
| #1 | 504.4 | 92.48 | 513.2 | 986.1 |
| #2 | 503.7 | 91.87 | 510.9 | 987.1 |

Check ?
 Value
 Range

Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSAB Acquired: 5/27/2010 14:54:56 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 361.31 | 3562.2 | 3821.2 | 4863.0 |
| Stddev | 1.18 | 11.4 | 7.5 | 7.6 |
| %RSD | .32626 | .31989 | .19583 | .15664 |
| #1 | 362.14 | 3554.1 | 3815.9 | 4868.4 |
| #2 | 360.48 | 3570.3 | 3826.5 | 4857.6 |

Sample Name: CRI Acquired: 5/27/2010 14:58:42 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.973 | 254.5 | 11.64 | 104.6 | 192.6 |
| Stddev | .597 | 10.6 | .37 | .1 | 10.6 |
| %RSD | 6.656 | 4.165 | 3.183 | .1196 | 5.518 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 8.551 | 261.9 | 11.38 | 104.6 | 185.1 |
| #2 | 9.396 | 247.0 | 11.90 | 104.5 | 200.1 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.306 | 5203. | 5.210 | 49.59 | 10.50 |
| Stddev | .024 | 33. | .038 | .55 | .47 |
| %RSD | .4422 | .6321 | .7288 | 1.105 | 4.488 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 5.322 | 5180. | 5.183 | 49.20 | 10.17 |
| #2 | 5.289 | 5227. | 5.237 | 49.97 | 10.84 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/27/2010 14:58:42 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.92 | 241.7 | 5464. | 5170. | 15.39 |
| Stddev | 1.07 | 11.9 | 58. | 70. | .02 |
| %RSD | 4.480 | 4.919 | 1.062 | 1.357 | .1484 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 24.68 | 250.1 | 5505. | 5220. | 15.41 |
| #2 | 23.16 | 233.3 | 5423. | 5120. | 15.38 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.92 | 5183. | 40.49 | 261.4 | 12.04 |
| Stddev | .12 | 23. | 1.14 | 1.4 | 1.24 |
| %RSD | .9191 | .4403 | 2.812 | .5327 | 10.29 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 13.00 | 5167. | 39.68 | 260.4 | 12.91 |
| #2 | 12.84 | 5200. | 41.29 | 262.4 | 11.16 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/27/2010 14:58:42 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 63.47 | 38.24 | 109.0 | 19.19 | 20.85 |
| Stddev | .50 | 3.10 | .3 | .66 | .05 |
| %RSD | .7953 | 8.114 | .2731 | 3.450 | .2591 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 63.83 | 40.43 | 109.3 | 18.73 | 20.89 |
| #2 | 63.11 | 36.05 | 108.8 | 19.66 | 20.81 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.86 | 24.95 | 50.57 | 21.18 |
| Stddev | .36 | 1.88 | .10 | .07 |
| %RSD | 1.723 | 7.524 | .2020 | .3226 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 21.11 | 23.62 | 50.64 | 21.13 |
| #2 | 20.60 | 26.28 | 50.49 | 21.22 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/27/2010 14:58:42 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 452.05 | 3964.2 | 4215.5 | 4991.0 |
| Stddev | 1.02 | 11.5 | 3.5 | 11.8 |
| %RSD | .22651 | .29040 | .08377 | .23589 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 452.78 | 3956.1 | 4218.0 | 4982.7 |
| #2 | 451.33 | 3972.4 | 4213.1 | 4999.3 |

Sample Name: CCV Acquired: 5/27/2010 15:02:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.06 | 30270. | 104.4 | 720.7 | 196.2 |
| Stddev | .43 | 109. | 5.1 | 2.6 | 3.8 |
| %RSD | .4417 | .3602 | 4.891 | .3553 | 1.920 |
| #1 | 96.76 | 30200. | 100.8 | 718.9 | 198.8 |
| #2 | 97.36 | 30350. | 108.0 | 722.5 | 193.5 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.4 | 30000. | 98.65 | 191.7 | 197.0 |
| Stddev | .3 | 55. | .28 | .6 | .3 |
| %RSD | .2701 | .1829 | .2837 | .3337 | .1645 |
| #1 | 101.6 | 29960. | 98.46 | 192.2 | 196.7 |
| #2 | 101.2 | 30040. | 98.85 | 191.3 | 197.2 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 15:02:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 189.8 | 30430. | 30120. | 30240. | 192.5 |
| Stddev | 1.2 | 59. | 133. | 52. | .4 |
| %RSD | .6128 | .1928 | .4416 | .1710 | .2095 |
| #1 | 190.7 | 30390. | 30030. | 30200. | 192.2 |
| #2 | 189.0 | 30470. | 30210. | 30280. | 192.8 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.4 | 30360. | 188.9 | 204.5 | 406.6 |
| Stddev | 1.0 | 61. | .9 | 2.7 | 2.9 |
| %RSD | .4860 | .2009 | .5014 | 1.341 | .7015 |
| #1 | 199.7 | 30310. | 189.6 | 206.5 | 404.6 |
| #2 | 201.1 | 30400. | 188.3 | 202.6 | 408.6 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 15:02:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 294.4 | 104.0 | 1010. | 195.8 | 298.9 |
| Stddev | 2.1 | 2.3 | 3. | .3 | .7 |
| %RSD | .7253 | 2.185 | .2552 | .1485 | .2219 |
| #1 | 295.9 | 102.4 | 1008. | 195.6 | 299.4 |
| #2 | 292.9 | 105.6 | 1012. | 196.0 | 298.5 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 401.1 | 102.0 | 202.3 | 200.6 |
| Stddev | .6 | 1.8 | .5 | .1 |
| %RSD | .1398 | 1.793 | .2535 | .0741 |
| #1 | 400.7 | 100.7 | 201.9 | 200.7 |
| #2 | 401.5 | 103.2 | 202.6 | 200.5 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 15:02:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 423.27 | 3886.6 | 4139.7 | 4954.7 |
| Stddev | 1.76 | .0 | 3.0 | 12.4 |
| %RSD | .41635 | .00110 | .07292 | .24945 |
| #1 | 424.52 | 3886.6 | 4137.6 | 4945.9 |
| #2 | 422.03 | 3886.7 | 4141.9 | 4963.4 |

Sample Name: CCB Acquired: 5/27/2010 15:06:24 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.052 | 14.75 | 1.096 | 1.700 | -3.224 |
| Stddev | .882 | 22.44 | .253 | .445 | 5.951 |
| %RSD | 83.79 | 152.2 | 23.11 | 26.16 | 184.6 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -1.676 | -1.122 | .9166 | 2.015 | -7.432 |
| #2 | -.4289 | 30.62 | 1.275 | 1.386 | .9838 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1409 | -43.25 | -.0273 | -.3231 | .1718 |
| Stddev | .0315 | 3.38 | .0470 | .0858 | .0951 |
| %RSD | 22.33 | 7.820 | 172.2 | 26.55 | 55.35 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | .1632 | -45.65 | .0059 | -.3837 | .2390 |
| #2 | .1187 | -40.86 | -.0606 | -.2624 | .1046 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 15:06:24 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6918 | 7.600 | 50.54 | .1016 | .1306 |
| Stddev | 1.100 | .565 | 51.09 | 82.97 | .0026 |
| %RSD | 158.9 | 7.436 | 101.1 | 81660. | 1.990 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | 1.469 | 7.200 | 14.41 | 58.77 | .1325 |
| #2 | -.0857 | 7.999 | 86.66 | -58.57 | .1288 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1613 | 27.21 | -.5209 | -.3429 | .0891 |
| Stddev | .0419 | 7.08 | .9336 | .3899 | 1.065 |
| %RSD | 26.01 | 26.03 | 179.2 | 113.7 | 1196. |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | .1316 | 32.22 | -1.181 | -.0672 | -.6643 |
| #2 | .1909 | 22.20 | -.1392 | -.6186 | .8425 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 15:06:24 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6761 | .6915 | -2.103 | .7797 | .0245 |
| Stddev | .4745 | 1.858 | 1.964 | .3970 | .0017 |
| %RSD | 70.18 | 268.7 | 93.40 | 50.91 | 6.819 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | -.3406 | 2.005 | -3.492 | .4990 | .0233 |
| #2 | -1.012 | -.6224 | -.7141 | 1.060 | .0257 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .7166 | -.3561 | .0017 | -.0077 |
| Stddev | .0906 | .3974 | .6259 | .0900 |
| %RSD | 12.64 | 111.6 | 36400. | 1163. |

| | | | | |
|----|-------|--------|--------|--------|
| #1 | .7807 | -.0751 | .4443 | -.0714 |
| #2 | .6525 | -.6371 | -.4408 | .0559 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 15:06:24 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 458.53 | 3938.5 | 4214.6 | 4971.6 |
| Stddev | .37 | 7.3 | .8 | .9 |
| %RSD | .08050 | .18520 | .01960 | .01813 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 458.79 | 3933.4 | 4214.1 | 4971.0 |
| #2 | 458.27 | 3943.7 | 4215.2 | 4972.2 |

Sample Name: PBS052610F Acquired: 5/27/2010 15:10:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0721 | -8.414 | 2.773 | 2.712 | .2673 |
| Stddev | .0417 | 11.40 | 3.534 | .880 | 5.397 |
| %RSD | 57.88 | 135.5 | 127.4 | 32.46 | 2019. |

#1 -.1016 -.3519 .2746 2.089 4.083
 #2 -.0426 -16.48 5.272 3.334 -3.549

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2304 | .6961 | .3596 | -.1024 | .4347 |
| Stddev | .1459 | 41.96 | .1181 | .5881 | .0906 |
| %RSD | 63.31 | 6029. | 32.84 | 574.1 | 20.85 |

#1 .1273 -28.98 .2761 .3134 .3706
 #2 .3336 30.37 .4431 -.5183 .4988

Check ? None None None None None
 Value
 Range

Sample Name: PBS052610F Acquired: 5/27/2010 15:10:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7347 | 37.88 | 30.61 | -28.51 | 1.664 |
| Stddev | .0967 | 4.62 | 17.58 | 43.53 | .049 |
| %RSD | 13.16 | 12.20 | 57.45 | 152.7 | 2.943 |

#1 .6663 34.61 18.17 -59.29 1.699
 #2 .8030 41.15 43.04 2.275 1.630

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1476 | 23.91 | .0799 | 7.009 | .1537 |
| Stddev | .2194 | 8.49 | .4184 | 1.111 | 1.708 |
| %RSD | 148.6 | 35.51 | 523.7 | 15.85 | 1111. |

#1 .0075 29.92 .3757 6.223 -1.054
 #2 -.3027 17.91 -.2159 7.794 1.361

Check ? None None None None None
 Value
 Range

Sample Name: PBS052610F Acquired: 5/27/2010 15:10:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.958 | -.0474 | 12.87 | 15.23 | .0222 |
| Stddev | 1.432 | 2.126 | 1.73 | .38 | .0042 |
| %RSD | 73.12 | 4484. | 13.46 | 2.498 | 18.81 |

#1 .9457 -1.551 14.10 14.96 .0193
 #2 2.971 1.456 11.65 15.50 .0252

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .4155 | -2.002 | -.3459 | 9.734 |
| Stddev | .2050 | .398 | .2927 | .075 |
| %RSD | 49.32 | 19.85 | 84.64 | .7700 |

#1 .2706 -1.721 -.1389 9.681
 #2 .5605 -2.283 -.5529 9.787

Check ? None None None None
 Value
 Range

Sample Name: PBS052610F Acquired: 5/27/2010 15:10:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 456.83 | 3962.4 | 4237.2 | 4977.1 |
| Stddev | 1.46 | 4.7 | 11.3 | 2.8 |
| %RSD | .32054 | .11815 | .26589 | .05647 |

#1 457.87 3965.7 4245.1 4975.1
 #2 455.79 3959.1 4229.2 4979.1

Sample Name: LCSS052610F Acquired: 5/27/2010 15:14:13 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 246.2 | 2241. | 247.0 | 479.3 | 2047. |
| Stddev | .2 | 16. | 3.0 | 2.3 | 12. |
| %RSD | .0940 | .7102 | 1.229 | .4857 | .6074 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 246.1 | 2230. | 244.8 | 477.6 | 2056. |
| #2 | 246.4 | 2252. | 249.1 | 480.9 | 2039. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 55.56 | 20450. | 244.3 | 456.5 | 217.5 |
| Stddev | .48 | 188. | .3 | 1.5 | .4 |
| %RSD | .8625 | .9172 | .1282 | .3198 | .1615 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | 55.22 | 20320. | 244.1 | 455.5 | 217.2 |
| #2 | 55.90 | 20580. | 244.5 | 457.5 | 217.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS052610F Acquired: 5/27/2010 15:14:13 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 260.6 | 1348. | 20740. | 19910. | 497.2 |
| Stddev | .1 | 2. | 146. | 80. | 1.3 |
| %RSD | .0239 | .1543 | .7060 | .4033 | .2587 |

| | | | | | |
|---------|-------|-------|--------|--------|-------|
| #1 | 260.7 | 1350. | 20840. | 19850. | 498.1 |
| #2 | 260.6 | 1347. | 20630. | 19960. | 496.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 510.4 | 20220. | 488.6 | 513.3 | 227.4 |
| Stddev | 1.8 | 28. | 1.0 | 2.3 | .4 |
| %RSD | .3617 | .1408 | .1986 | .4538 | .1746 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | 509.1 | 20200. | 487.9 | 511.7 | 227.7 |
| #2 | 511.7 | 20240. | 489.3 | 515.0 | 227.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS052610F Acquired: 5/27/2010 15:14:13 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 478.4 | 244.9 | 499.5 | 523.8 | 490.0 |
| Stddev | 2.9 | .4 | .3 | .1 | 6.0 |
| %RSD | .5989 | .1588 | .0692 | .0274 | 1.216 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 476.3 | 244.6 | 499.3 | 523.7 | 485.8 |
| #2 | 480.4 | 245.1 | 499.8 | 523.9 | 494.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 509.3 | 251.5 | 514.3 | 497.6 |
| Stddev | .2 | .9 | .2 | .9 |
| %RSD | .0387 | .3478 | .0353 | .1896 |

| | | | | |
|---------|-------|-------|-------|-------|
| #1 | 509.5 | 252.1 | 514.2 | 497.0 |
| #2 | 509.2 | 250.9 | 514.4 | 498.3 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: LCSS052610F Acquired: 5/27/2010 15:14:13 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 429.04 | 3866.8 | 4130.8 | 4953.8 |
| Stddev | 1.76 | 5.3 | 9.7 | 44.5 |
| %RSD | .41122 | .13686 | .23429 | .89746 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 427.79 | 3863.0 | 4137.6 | 4985.3 |
| #2 | 430.29 | 3870.5 | 4124.0 | 4922.4 |

Sample Name: 828790 Acquired: 5/27/2010 15:18:07 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.755 | 89100. | 72.37 | -3.780 | 880.0 |
| Stddev | .644 | 1114. | 2.15 | .828 | 5.9 |
| %RSD | 11.19 | 1.251 | 2.972 | 21.90 | .6686 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | 6.211 | 88320. | 73.90 | -3.194 | 875.9 |
| #2 | 5.300 | 89890. | 70.85 | -4.365 | 884.2 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 14.03 | 200100. | 19.69 | 121.5 | 430.2 |
| Stddev | .13 | 1675. | .37 | .3 | .6 |
| %RSD | .9049 | .8368 | 1.898 | .2749 | .1466 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 14.12 | 198900. | 19.95 | 121.7 | 430.6 |
| #2 | 13.94 | 201300. | 19.42 | 121.3 | 429.7 |

Check ? Value Range
 None None None None None

Sample Name: 828790 Acquired: 5/27/2010 15:18:07 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1347. | 216700. | 33820. | 73110. | 9414. |
| Stddev | 3. | 909. | 337. | 630. | 113. |
| %RSD | .2144 | .4195 | .9973 | .8619 | 1.205 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 1349. | 217400. | 33580. | 72670. | 9495. |
| #2 | 1345. | 216100. | 34060. | 73560. | 9334. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2255. | 1444. | 334.1 | 8564. | 835.8 |
| Stddev | 5. | 15. | .8 | 24. | .6 |
| %RSD | .2436 | 1.027 | .2516 | .2765 | .0692 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2251. | 1433. | 334.7 | 8580. | 835.4 |
| #2 | 2259. | 1454. | 333.5 | 8547. | 836.2 |

Check ? Value Range
 None None None None None

Sample Name: 828790 Acquired: 5/27/2010 15:18:07 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -12.36 | -4.287 | 10220. | -2.579 | 1262. |
| Stddev | 2.82 | .073 | 34. | .292 | 6. |
| %RSD | 22.84 | 1.709 | .3317 | 11.33 | .5116 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -10.37 | -4.235 | 10250. | -2.373 | 1257. |
| #2 | -14.36 | -4.339 | 10200. | -2.786 | 1266. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6639. | -23.37 | 391.4 | 2654. |
| Stddev | 9. | .99 | 1 | 7. |
| %RSD | .1416 | 4.222 | .0314 | .2510 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 6645. | -22.67 | 391.5 | 2659. |
| #2 | 6632. | -24.06 | 391.3 | 2649. |

Check ? Value Range
 None None None None

Sample Name: 828790 Acquired: 5/27/2010 15:18:07 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 397.07 | 4156.7 | 4446.2 | 5431.2 |
| Stddev | 1.24 | 1.2 | 12.6 | 70.7 |
| %RSD | .31319 | .02987 | .28274 | 1.3016 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 396.19 | 4155.8 | 4437.3 | 5481.2 |
| #2 | 397.95 | 4157.6 | 4455.1 | 5381.2 |

Sample Name: 828791 Acquired: 5/27/2010 15:22:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.530 | 81060. | 43.19 | 6.591 | 453.6 |
| Stddev | .942 | 376. | .59 | .300 | 6.3 |
| %RSD | 37.23 | .4640 | 1.368 | 4.559 | 1.391 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -1.864 | 80790. | 43.60 | 6.378 | 458.1 |
| #2 | -3.196 | 81330. | 42.77 | 6.803 | 449.2 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.834 | 25820. | 2.218 | 66.71 | 170.7 |
| Stddev | .021 | 116. | .140 | .39 | .1 |
| %RSD | .2676 | .4499 | 6.295 | .5916 | .0397 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 7.819 | 25740. | 2.317 | 66.43 | 170.7 |
| #2 | 7.849 | 25900. | 2.120 | 66.99 | 170.6 |

Check ? Value Range
 None None None None None

Sample Name: 828791 Acquired: 5/27/2010 15:22:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.4 | 154600. | 7883. | 45930. | 3562. |
| Stddev | .7 | 255. | 5. | 166. | 22. |
| %RSD | .3494 | .1648 | .0597 | .3616 | .6148 |

| | | | | | |
|----|-------|---------|-------|--------|-------|
| #1 | 197.9 | 154800. | 7886. | 45820. | 3578. |
| #2 | 198.8 | 154400. | 7879. | 46050. | 3547. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.65 | 413.5 | 163.5 | 4183. | 208.2 |
| Stddev | 1.54 | 20.2 | 1.1 | . | 2.5 |
| %RSD | 2.866 | 4.885 | .6668 | .0068 | 1.184 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 54.73 | 427.8 | 162.7 | 4183. | 209.9 |
| #2 | 52.56 | 399.2 | 164.2 | 4183. | 206.4 |

Check ? Value Range
 None None None None None

Sample Name: 828791 Acquired: 5/27/2010 15:22:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.862 | -6.059 | 2945. | 10.78 | 335.3 |
| Stddev | 2.090 | 2.809 | 9. | .73 | 1.4 |
| %RSD | 30.46 | 46.36 | .2894 | 6.782 | .4187 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -5.384 | -8.046 | 2939. | 10.26 | 336.3 |
| #2 | -8.340 | -4.073 | 2951. | 11.30 | 334.4 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1560. | -8.037 | 220.5 | 551.5 |
| Stddev | 2. | .223 | .6 | .3 |
| %RSD | .0967 | 2.778 | .2852 | .0578 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 1561. | -7.879 | 221.0 | 551.7 |
| #2 | 1559. | -8.195 | 220.1 | 551.3 |

Check ? Value Range
 None None None None

Sample Name: 828791 Acquired: 5/27/2010 15:22:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 427.14 | 4161.2 | 4451.6 | 5353.8 |
| Stddev | 2.01 | 3.0 | 16.2 | 3.6 |
| %RSD | .47063 | .07104 | .36370 | .06774 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 425.72 | 4163.3 | 4440.2 | 5351.2 |
| #2 | 428.56 | 4159.1 | 4463.1 | 5356.3 |

Sample Name: 828792 Acquired: 5/27/2010 15:26:10 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|---------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.064 | 105700. | 49.79 | 9.966 | 548.7 |
| Stddev | .376 | 320. | 3.70 | 839 | 4.5 |
| %RSD | 12.28 | .3024 | 7.436 | 8.415 | .8140 |
| #1 | -2.798 | 105900. | 52.40 | 9.373 | 545.6 |
| #2 | -3.330 | 105400. | 47.17 | 10.56 | 551.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|---------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.580 | 47840. | 3.173 | 86.00 | 250.4 |
| Stddev | .201 | 76. | .389 | .06 | .5 |
| %RSD | 2.100 | .1596 | 12.27 | .0701 | .1917 |
| #1 | 9.438 | 47900. | 3.449 | 86.04 | 250.0 |
| #2 | 9.722 | 47790. | 2.898 | 85.96 | 250.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828792 Acquired: 5/27/2010 15:26:10 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|---------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 385.5 | 186600. | 17280. | 61210. | 4340. |
| Stddev | .9 | 223. | 5. | 315. | 4. |
| %RSD | .2383 | .1195 | .0303 | .5139 | .0971 |
| #1 | 386.1 | 186500. | 17280. | 61430. | 4343. |
| #2 | 384.8 | 186800. | 17280. | 60990. | 4337. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|---------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 263.5 | 492.9 | 209.4 | 6404. | 238.1 |
| Stddev | .4 | 39.9 | .3 | 10. | .7 |
| %RSD | .1581 | 8.092 | .1436 | .1502 | .2924 |
| #1 | 263.2 | 521.1 | 209.7 | 6397. | 237.6 |
| #2 | 263.8 | 464.7 | 209.2 | 6411. | 238.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828792 Acquired: 5/27/2010 15:26:10 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|---------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.765 | -7.477 | 3727. | 4.714 | 390.9 |
| Stddev | 2.658 | 1.313 | 8. | .559 | 5.4 |
| %RSD | 27.22 | 17.57 | .2094 | 11.86 | 1.386 |
| #1 | -7.885 | -6.549 | 3732. | 4.318 | 394.8 |
| #2 | -11.64 | -8.406 | 3721. | 5.109 | 387.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|---------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2814. | -9.384 | 303.6 | 744.9 |
| Stddev | 5. | .654 | 1.2 | 1.8 |
| %RSD | .1852 | 6.968 | .3793 | .2419 |
| #1 | 2817. | -9.847 | 302.8 | 743.7 |
| #2 | 2810. | -8.922 | 304.4 | 746.2 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828792 Acquired: 5/27/2010 15:26:10 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 420.91 | 4233.1 | 4522.6 | 5420.6 |
| Stddev | 1.29 | .1 | 7.2 | 29.1 |
| %RSD | .30552 | .00216 | .15932 | .53615 |
| #1 | 421.82 | 4233.2 | 4527.7 | 5400.0 |
| #2 | 420.00 | 4233.0 | 4517.5 | 5441.1 |

Sample Name: 828793 Acquired: 5/27/2010 15:30:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9772 | 79840. | 62.71 | -3.986 | 718.3 |
| Stddev | 5340 | 24. | 3.81 | .072 | 8.4 |
| %RSD | 54.65 | .0301 | 6.078 | 1.818 | 1.174 |
| #1 | -5996 | 79850. | 60.02 | -4.037 | 712.3 |
| #2 | -1.355 | 79820. | 65.41 | -3.935 | 724.2 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.96 | 103300. | 8.715 | 126.6 | 382.1 |
| Stddev | .13 | 25. | .084 | .2 | .4 |
| %RSD | .9661 | .0243 | .9657 | .1860 | .0948 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 14.05 | 103300. | 8.775 | 126.5 | 381.9 |
| #2 | 13.86 | 103200. | 8.656 | 126.8 | 382.4 |

Check ? Value Range
 None None None None None

Sample Name: 828793 Acquired: 5/27/2010 15:30:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1588. | 213800. | 35610. | 78470. | 7996. |
| Stddev | 6. | 177. | 106. | 87. | 90. |
| %RSD | .3657 | .0828 | .2977 | .1108 | 1.124 |
| #1 | 1592. | 213900. | 35690. | 78410. | 8059. |
| #2 | 1584. | 213600. | 35540. | 78530. | 7932. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1663. | 1304. | 318.8 | 7988. | 665.2 |
| Stddev | 3. | 11. | 1.3 | 1. | 4.0 |
| %RSD | .1968 | .8427 | .4060 | .0097 | .6003 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1661. | 1296. | 319.7 | 7988. | 662.4 |
| #2 | 1666. | 1311. | 317.8 | 7989. | 668.0 |

Check ? Value Range
 None None None None None

Sample Name: 828793 Acquired: 5/27/2010 15:30:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -11.48 | -2.226 | 6076. | -2.641 | 360.0 |
| Stddev | 1.45 | .366 | 40. | .017 | 3.6 |
| %RSD | 12.59 | 16.46 | .6595 | .6325 | .9954 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -10.46 | -1.967 | 6104. | -2.653 | 362.6 |
| #2 | -12.51 | -2.485 | 6047. | -2.629 | 357.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6777. | -19.95 | 379.4 | 1361. |
| Stddev | 22. | 1.02 | .2 | 1. |
| %RSD | .3243 | 5.089 | .0565 | .0862 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 6792. | -20.66 | 379.6 | 1362. |
| #2 | 6761. | -19.23 | 379.3 | 1360. |

Check ? Value Range
 None None None None

Sample Name: 828793 Acquired: 5/27/2010 15:30:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 405.34 | 4208.8 | 4482.6 | 5449.7 |
| Stddev | 1.14 | .8 | 6.5 | 24.1 |
| %RSD | .28118 | .02014 | .14423 | .44298 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 406.15 | 4209.4 | 4478.1 | 5432.6 |
| #2 | 404.53 | 4208.2 | 4487.2 | 5466.7 |

Sample Name: 828794 Acquired: 5/27/2010 15:34:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.907 | 96690. | 51.66 | 10.00 | 529.5 |
| Stddev | .450 | 856. | 1.54 | .06 | .4 |
| %RSD | 23.58 | .8848 | 2.981 | .5580 | .0695 |

| | | | | | |
|---------|--------|--------|-------|-------|-------|
| #1 | -1.589 | 96080. | 52.75 | 10.04 | 529.3 |
| #2 | -2.225 | 97290. | 50.57 | 9.965 | 529.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.153 | 42630. | 3.642 | 80.58 | 206.1 |
| Stddev | .141 | 292. | .176 | .40 | .3 |
| %RSD | 1.545 | .6852 | 4.839 | .5001 | .1476 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | 9.253 | 42420. | 3.517 | 80.87 | 205.9 |
| #2 | 9.053 | 42840. | 3.767 | 80.30 | 206.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828794 Acquired: 5/27/2010 15:34:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 333.0 | 177900. | 16450. | 52190. | 4157. |
| Stddev | .5 | 70. | 67. | 264. | 8. |
| %RSD | .1560 | .0391 | .4070 | .5060 | .1862 |

| | | | | | |
|---------|-------|---------|--------|--------|-------|
| #1 | 333.4 | 177900. | 16400. | 52000. | 4151. |
| #2 | 332.7 | 178000. | 16500. | 52380. | 4162. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 259.3 | 431.3 | 178.9 | 5515. | 238.8 |
| Stddev | .5 | 36.4 | .9 | 13. | .6 |
| %RSD | .1863 | 8.450 | .4821 | .2371 | .2305 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 259.6 | 457.1 | 178.3 | 5506. | 238.4 |
| #2 | 258.9 | 405.6 | 179.5 | 5524. | 239.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828794 Acquired: 5/27/2010 15:34:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.035 | -5.264 | 3570. | 6.582 | 357.3 |
| Stddev | 1.524 | 1.918 | .6 | .321 | 4.7 |
| %RSD | 16.86 | 36.43 | .1666 | 4.880 | 1.313 |

| | | | | | |
|---------|--------|--------|-------|-------|-------|
| #1 | -7.958 | -3.908 | 3574. | 6.809 | 354.0 |
| #2 | -10.11 | -6.619 | 3566. | 6.355 | 360.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2493. | -10.18 | 293.4 | 743.1 |
| Stddev | 5. | 1.05 | .6 | 2.3 |
| %RSD | .2039 | 10.28 | .2009 | .3095 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 2497. | -10.92 | 293.8 | 741.4 |
| #2 | 2489. | -9.437 | 293.0 | 744.7 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828794 Acquired: 5/27/2010 15:34:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y.-HWAX | Y.-LWAX | Y.-HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 421.98 | 4178.1 | 4473.2 | 5338.6 |
| Stddev | 1.71 | 12.7 | .1 | 87.9 |
| %RSD | .40459 | .30316 | .00164 | 1.6471 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 420.77 | 4187.1 | 4473.1 | 5400.8 |
| #2 | 423.18 | 4169.2 | 4473.2 | 5276.4 |

Sample Name: 828795 Acquired: 5/27/2010 15:38:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.850 | 80330. | 47.59 | 9.202 | 514.6 |
| Stddev | .139 | 226. | 2.81 | .367 | 4.3 |
| %RSD | 4.892 | .2811 | 5.912 | 3.988 | .8363 |
| #1 | -2.752 | 80170. | 49.58 | 8.943 | 517.6 |
| #2 | -2.949 | 80490. | 45.60 | 9.462 | 511.5 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.236 | 54660. | 2.273 | 61.19 | 165.5 |
| Stddev | .174 | 25. | .059 | .14 | .1 |
| %RSD | 2.115 | .0453 | 2.574 | .2354 | .0729 |
| #1 | 8.113 | 54640. | 2.232 | 61.29 | 165.6 |
| #2 | 8.359 | 54670. | 2.315 | 61.09 | 165.4 |

Check ? Value Range
 None None None None None

Sample Name: 828795 Acquired: 5/27/2010 15:38:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 210.9 | 149300. | 10240. | 48070. | 3275. |
| Stddev | .3 | 36. | 96. | 206. | 33. |
| %RSD | .1562 | .0241 | .9357 | .4289 | 1.010 |
| #1 | 211.1 | 149300. | 10170. | 47920. | 3251. |
| #2 | 210.7 | 149400. | 10310. | 48210. | 3298. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 73.27 | 419.4 | 163.4 | 4219. | 170.8 |
| Stddev | .45 | 43.4 | .1 | 6. | 2.5 |
| %RSD | .6174 | 10.35 | .0323 | .1501 | 1.467 |
| #1 | 73.59 | 388.7 | 163.4 | 4215. | 169.0 |
| #2 | 72.95 | 450.1 | 163.3 | 4224. | 172.6 |

Check ? Value Range
 None None None None None

Sample Name: 828795 Acquired: 5/27/2010 15:38:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.654 | -5.052 | 3197. | 6.984 | 321.1 |
| Stddev | .169 | 2.502 | 3. | 236 | 3.7 |
| %RSD | 2.980 | 49.52 | .0827 | 3.373 | 1.166 |
| #1 | -5.535 | -6.821 | 3195. | 7.151 | 318.4 |
| #2 | -5.773 | -3.283 | 3199. | 6.818 | 323.7 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1927. | -7.763 | 265.9 | 578.2 |
| Stddev | 9. | 1.423 | .4 | .3 |
| %RSD | .4545 | 18.33 | .1667 | .0493 |
| #1 | 1921. | -8.769 | 265.6 | 578.0 |
| #2 | 1933. | -6.757 | 266.2 | 578.4 |

Check ? Value Range
 None None None None

Sample Name: 828795 Acquired: 5/27/2010 15:38:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 422.76 | 4125.7 | 4400.4 | 5285.3 |
| Stddev | 1.87 | 4.8 | 16.7 | 46.8 |
| %RSD | .44130 | .11690 | .37955 | .88465 |
| #1 | 421.44 | 4129.2 | 4388.6 | 5318.4 |
| #2 | 424.08 | 4122.3 | 4412.2 | 5252.2 |

Check ? Value Range
 None None None None

Sample Name: 828796 Acquired: 5/27/2010 15:42:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.969 | 87080. | 48.45 | 20.25 | 526.6 |
| Stddev | .306 | 357. | 2.34 | .55 | 2.5 |
| %RSD | 10.32 | .4099 | 4.824 | 2.725 | .4717 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -3.185 | 86820. | 46.80 | 20.64 | 528.3 |
| #2 | -2.752 | 87330. | 50.10 | 19.86 | 524.8 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.026 | 66550. | 2.988 | 78.01 | 197.4 |
| Stddev | .267 | 152. | .047 | .01 | .2 |
| %RSD | 3.332 | .2280 | 1.563 | .0159 | .0960 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 7.837 | 66450. | 3.021 | 78.00 | 197.3 |
| #2 | 8.215 | 66660. | 2.955 | 78.01 | 197.6 |

Check ? Value Range
 None None None None None

Sample Name: 828796 Acquired: 5/27/2010 15:42:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 257.5 | 172800. | 16150. | 58140. | 4298. |
| Stddev | .4 | 204. | 56. | 236. | 43. |
| %RSD | .1415 | .1180 | .3464 | .4060 | .9927 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 257.2 | 173000. | 16190. | 57970. | 4328. |
| #2 | 257.8 | 172700. | 16110. | 58300. | 4267. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 134.1 | 579.8 | 190.1 | 6076. | 374.4 |
| Stddev | .2 | 1.5 | .5 | 1. | .1 |
| %RSD | .1831 | .2562 | .2498 | .0213 | .0185 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 134.0 | 580.9 | 190.4 | 6075. | 374.4 |
| #2 | 134.3 | 578.8 | 189.8 | 6077. | 374.5 |

Check ? Value Range
 None None None None None

Sample Name: 828796 Acquired: 5/27/2010 15:42:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.887 | -2.995 | 4146. | 3.786 | 318.8 |
| Stddev | .298 | 3.312 | 9. | .492 | 3.5 |
| %RSD | 3.356 | 110.6 | .2074 | 12.99 | 1.111 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -8.677 | -.6526 | 4140. | 3.438 | 316.3 |
| #2 | -9.098 | -5.337 | 4152. | 4.134 | 321.3 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2822. | -10.15 | 253.9 | 700.6 |
| Stddev | .2 | .22 | .5 | .4 |
| %RSD | .0552 | 2.178 | .1966 | .0526 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2823. | -10.31 | 254.3 | 700.3 |
| #2 | 2821. | -9.998 | 253.6 | 700.8 |

Check ? Value Range
 None None None None

Sample Name: 828796 Acquired: 5/27/2010 15:42:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 423.39 | 4092.3 | 4392.4 | 5259.5 |
| Stddev | 1.34 | 4.6 | 11.2 | 30.6 |
| %RSD | .31733 | .11239 | .25495 | .58262 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 422.44 | 4089.1 | 4384.4 | 5281.1 |
| #2 | 424.35 | 4095.6 | 4400.3 | 5237.8 |

Sample Name: 828796L Acquired: 5/27/2010 15:46:21 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.069 | 94240. | 78.13 | 25.37 | 551.2 |
| Stddev | .275 | 147. | 18.10 | 1.50 | 35.1 |
| %RSD | 5.416 | .1562 | 23.17 | 5.916 | 6.367 |
| #1 | -5.263 | 94130. | 90.94 | 26.43 | 576.1 |
| #2 | -4.875 | 94340. | 65.33 | 24.31 | 526.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.262 | 72700. | 3.924 | 85.28 | 214.2 |
| Stddev | .833 | 152. | .288 | .39 | 1.9 |
| %RSD | 10.09 | .2092 | 7.339 | .4570 | .8671 |
| #1 | 8.852 | 72810. | 4.128 | 85.01 | 212.9 |
| #2 | 7.673 | 72590. | 3.721 | 85.56 | 215.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828796L Acquired: 5/27/2010 15:46:21 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 270.4 | 186500. | 17320. | 63100. | 4706. |
| Stddev | 1.2 | 560. | 156. | 195. | 7. |
| %RSD | .4530 | .3004 | .8994 | .3093 | .1451 |
| #1 | 269.6 | 186800. | 17210. | 63240. | 4711. |
| #2 | 271.3 | 186100. | 17430. | 62960. | 4702. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 137.8 | 505.2 | 210.4 | 7185. | 381.7 |
| Stddev | .9 | 180.3 | 4.1 | 23. | 2.5 |
| %RSD | .6416 | 35.69 | 1.943 | .3201 | .6544 |
| #1 | 138.4 | 377.7 | 207.5 | 7169. | 380.0 |
| #2 | 137.2 | 632.6 | 213.3 | 7201. | 383.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828796L Acquired: 5/27/2010 15:46:21 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.874 | -6.094 | 5711. | 5.327 | 359.0 |
| Stddev | 10.47 | 5.386 | 56. | 3.361 | 1.7 |
| %RSD | 364.2 | 88.38 | .9736 | 63.08 | .4652 |
| #1 | 4.528 | -9.903 | 5671. | 2.951 | 357.8 |
| #2 | -10.28 | -2.286 | 5750. | 7.704 | 360.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 2966. | -12.03 | 271.2 | 768.7 | |
| Stddev | 6. | 4.57 | 1.9 | .6 | |
| %RSD | .1973 | 37.98 | .6908 | .0827 | |
| #1 | 2970. | -15.26 | 269.8 | 768.3 | |
| #2 | 2962. | -8.797 | 272.5 | 769.2 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828796L Acquired: 5/27/2010 15:46:21 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y.-HWAX | Y.-LWAX | Y.-HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 445.10 | 3978.0 | 4281.7 | 5018.6 |
| Stddev | 1.50 | 19.5 | 13.4 | 12.6 |
| %RSD | .33595 | .49143 | .31275 | .25080 |
| #1 | 446.15 | 3964.1 | 4272.2 | 5027.5 |
| #2 | 444.04 | 3991.8 | 4291.2 | 5009.7 |

Sample Name: CCV Acquired: 5/27/2010 15:50:13 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.44 | 30330. | 102.9 | 714.7 | 194.7 |
| Stddev | .27 | 10. | 1.4 | 1.4 | 3.0 |
| %RSD | .2788 | .0321 | 1.332 | .2022 | 1.566 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 97.64 | 30330. | 101.9 | 713.7 | 192.6 |
| #2 | 97.25 | 30320. | 103.8 | 715.7 | 196.9 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.6 | 30070. | 98.54 | 191.5 | 198.5 |
| Stddev | .4 | 47. | .16 | .8 | .0 |
| %RSD | .3527 | .1577 | .1576 | .4121 | .0093 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 101.4 | 30040. | 98.43 | 192.1 | 198.5 |
| #2 | 101.9 | 30110. | 98.65 | 191.0 | 198.5 |

Check ? High Limit Low Limit

Sample Name: CCV Acquired: 5/27/2010 15:50:13 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 189.7 | 30590. | 30090. | 30350. | 192.9 |
| Stddev | .4 | 31. | 98. | 37. | .3 |
| %RSD | .2107 | .1027 | .3248 | .1210 | .1358 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 190.0 | 30610. | 30020. | 30320. | 193.1 |
| #2 | 189.4 | 30570. | 30160. | 30380. | 192.7 |

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.9 | 30440. | 189.4 | 207.4 | 408.4 |
| Stddev | .0 | 4. | .9 | 1.1 | 2.1 |
| %RSD | .0161 | .0134 | .4522 | .5290 | .5254 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 198.9 | 30440. | 188.8 | 208.2 | 410.0 |
| #2 | 198.8 | 30440. | 190.0 | 206.6 | 406.9 |

Check ? High Limit Low Limit

Sample Name: CCV Acquired: 5/27/2010 15:50:13 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 292.0 | 97.69 | 1017. | 196.7 | 299.7 |
| Stddev | .3 | 2.19 | 2. | .4 | .1 |
| %RSD | .1153 | 2.239 | .1921 | .1859 | .0369 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 292.3 | 99.24 | 1018. | 197.0 | 299.6 |
| #2 | 291.8 | 96.14 | 1015. | 196.5 | 299.8 |

Check ? High Limit Low Limit

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 400.8 | 101.9 | 203.4 | 201.4 |
| Stddev | .2 | .1 | .4 | .6 |
| %RSD | .0494 | .0646 | .2169 | .2861 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 400.7 | 101.9 | 203.1 | 201.8 |
| #2 | 400.9 | 101.8 | 203.7 | 201.0 |

Check ? High Limit Low Limit

Sample Name: CCV Acquired: 5/27/2010 15:50:13 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 418.55 | 3846.5 | 4119.1 | 4872.5 |
| Stddev | 1.60 | 7.1 | 10.4 | 8.4 |
| %RSD | .38134 | .18534 | .25334 | .17170 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 417.42 | 3841.5 | 4111.8 | 4866.5 |
| #2 | 419.68 | 3851.6 | 4126.5 | 4878.4 |

Sample Name: CCB Acquired: 5/27/2010 15:54:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.434 | -32.04 | 1.245 | 1.935 | .9735 |
| Stddev | .593 | 28.20 | .131 | .295 | 3.827 |
| %RSD | 41.38 | 88.01 | 10.51 | 15.24 | 393.1 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -1.014 | -51.98 | 1.337 | 2.143 | 3.680 |
| #2 | -1.853 | -12.10 | 1.152 | 1.726 | -1.733 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0102 | 32.37 | .1688 | -.2705 | .2178 |
| Stddev | .1749 | 39.34 | .2945 | .0904 | .0614 |
| %RSD | 1712. | 121.5 | 174.5 | 33.40 | 28.19 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | .1339 | 4.557 | -.0395 | -.3344 | .1744 |
| #2 | -.1134 | 60.19 | .3771 | -.2066 | .2612 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/27/2010 15:54:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0570 | 5.069 | -1.953 | -17.99 | .1147 |
| Stddev | .5694 | 5.390 | 14.64 | 7.22 | .0480 |
| %RSD | 999.0 | 106.3 | 749.3 | 40.16 | 41.81 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | .3456 | 1.258 | -12.30 | -23.09 | .0808 |
| #2 | -.4596 | 8.881 | 8.396 | -12.88 | .1486 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2635 | -31.02 | -.1675 | -.7582 | .4328 |
| Stddev | .1611 | 16.30 | 1.126 | .3464 | .2784 |
| %RSD | 61.15 | 52.56 | 672.2 | 45.68 | 64.33 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -.1496 | -19.49 | .6285 | -.5133 | .2359 |
| #2 | -.3775 | -42.54 | -.9635 | -1.003 | .6297 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/27/2010 15:54:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7555 | .4049 | -2.472 | .5624 | -.0038 |
| Stddev | .6824 | 2.553 | 6.043 | .9340 | .0204 |
| %RSD | 90.32 | 630.4 | 244.5 | 166.1 | 530.8 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | .2730 | 2.210 | 1.802 | 1.223 | -.0182 |
| #2 | 1.238 | -1.400 | -6.745 | -.0980 | .0106 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0815 | -1.005 | .7604 | .1046 |
| Stddev | .4432 | .856 | .0559 | .0163 |
| %RSD | 543.9 | 85.23 | 7.347 | 15.60 |

| | | | | |
|----|--------|--------|-------|-------|
| #1 | .3949 | -1.610 | .7999 | .0930 |
| #2 | -.2319 | -.3992 | .7209 | .1161 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/27/2010 15:54:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 454.17 | 3911.4 | 4179.3 | 4880.5 |
| Stddev | 1.46 | 8.2 | 2 | 9.9 |
| %RSD | .32050 | .21030 | .00415 | .20284 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 453.15 | 3905.6 | 4179.2 | 4873.5 |
| #2 | 455.20 | 3917.2 | 4179.4 | 4887.5 |

Sample Name: 828796A Acquired: 5/27/2010 15:57:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.891 | 89080. | 84.49 | 455.3 | 2370. |
| Stddev | .582 | 485. | .10 | .6 | 30. |
| %RSD | 20.12 | .5448 | .1223 | .1304 | 1.257 |
| #1 | -2.479 | 88740. | 84.42 | 455.8 | 2391. |
| #2 | -3.302 | 89420. | 84.56 | 454.9 | 2349. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 57.98 | 67150. | 49.28 | 492.2 | 388.0 |
| Stddev | .10 | 182. | .19 | .3 | .5 |
| %RSD | .1650 | .2715 | .3878 | .0655 | .1160 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 58.04 | 67020. | 49.15 | 492.4 | 387.7 |
| #2 | 57.91 | 67280. | 49.42 | 492.0 | 388.4 |

Check ? Value Range
 None None None None None

Sample Name: 828796A Acquired: 5/27/2010 15:57:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 491.0 | 173300. | 16080. | 58200. | 4705. |
| Stddev | 2.1 | 525. | 20. | 117. | 36. |
| %RSD | .4219 | .3029 | .1271 | .2001 | .7642 |
| #1 | 492.4 | 173700. | 16060. | 58120. | 4731. |
| #2 | 489.5 | 173000. | 16090. | 58280. | 4680. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 586.0 | 609.4 | 606.3 | 6888. | 398.2 |
| Stddev | 2.0 | 65.2 | .1 | 13. | .3 |
| %RSD | .3345 | 10.69 | .0156 | .1882 | .0692 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 584.6 | 563.3 | 606.4 | 6897. | 398.4 |
| #2 | 587.4 | 655.5 | 606.2 | 6879. | 398.0 |

Check ? Value Range
 None None None None None

Sample Name: 828796A Acquired: 5/27/2010 15:57:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 421.9 | 40.05 | 5237. | 418.3 | 756.9 |
| Stddev | 1.0 | .01 | 36. | 3.6 | 1.7 |
| %RSD | .2294 | .0353 | .6926 | .8575 | .2227 |
| #1 | 421.2 | 40.04 | 5262. | 420.8 | 758.1 |
| #2 | 422.5 | 40.06 | 5211. | 415.7 | 755.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3258. | 43.07 | 713.2 | 1133. |
| Stddev | 6. | 2.03 | 1.5 | 2. |
| %RSD | .1749 | 4.713 | .2132 | .1536 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3262. | 44.51 | 714.3 | 1134. |
| #2 | 3254. | 41.64 | 712.1 | 1132. |

Check ? Value Range
 None None None None

Sample Name: 828796A Acquired: 5/27/2010 15:57:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 417.42 | 4053.8 | 4358.8 | 5194.8 |
| Stddev | 2.48 | 12.0 | 10.7 | 6.9 |
| %RSD | .59384 | .29719 | .24639 | .13221 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 415.67 | 4045.3 | 4351.2 | 5189.9 |
| #2 | 419.17 | 4062.3 | 4366.4 | 5199.6 |

Sample Name: 828796MS Acquired: 5/27/2010 16:01:52 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 {103}2 | 396.152 { 85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 43.06 | 87220. | 82.39 | 432.0 | 2421. |
| Stddev | .30 | .270. | 2.09 | 2.2 | 9. |
| %RSD | .6950 | .3096 | 2.532 | .5044 | .3844 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 42.84 | 87410. | 80.91 | 430.5 | 2414. |
| #2 | 43.27 | 87030. | 83.86 | 433.6 | 2427. |

Check ? Value Range

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 59.80 | 64340. | 50.41 | 477.2 | 391.8 |
| Stddev | .33 | .47. | .14 | 1.1 | .9 |
| %RSD | .5517 | .0731 | .2777 | .2207 | .2344 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 60.04 | 64380. | 50.31 | 476.5 | 391.1 |
| #2 | 59.57 | 64310. | 50.51 | 478.0 | 392.4 |

Check ? Value Range

Sample Name: 828796MS Acquired: 5/27/2010 16:01:52 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 502.1 | 160800. | 16460. | 51840. | 4199. |
| Stddev | .3 | 182. | 50. | 491. | 34. |
| %RSD | .0507 | .1134 | .3039 | .9470 | .8098 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 501.9 | 160900. | 16500. | 52180. | 4223. |
| #2 | 502.2 | 160700. | 16430. | 51490. | 4175. |

Check ? Value Range

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 {467} | 589.592 { 57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 589.7 | 506.1 | 596.5 | 5503. | 237.3 |
| Stddev | 1.3 | 5.9 | .6 | 10. | .2 |
| %RSD | .2270 | 1.171 | .0989 | .1763 | .0939 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 588.7 | 510.3 | 596.1 | 5496. | 237.1 |
| #2 | 590.6 | 502.0 | 596.9 | 5510. | 237.4 |

Check ? Value Range

Sample Name: 828796MS Acquired: 5/27/2010 16:01:52 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|---------------|----------------|---------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 { 83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.6 | 40.29 | 5001. | 461.5 | 762.3 |
| Stddev | 1.3 | .27 | 10. | 1.4 | 9.9 |
| %RSD | .6296 | .6818 | .2063 | .3067 | 1.295 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 198.7 | 40.10 | 5008. | 460.5 | 755.4 |
| #2 | 200.5 | 40.49 | 4993. | 462.5 | 769.3 |

Check ? Value Range

| | | | | |
|--------|----------------|---------------|----------------|---------------|
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3058. | 46.04 | 733.7 | 1069. |
| Stddev | 3. | .70 | .1 | 2. |
| %RSD | .1078 | 1.513 | .0178 | .1783 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3056. | 45.55 | 733.8 | 1068. |
| #2 | 3060. | 46.53 | 733.6 | 1071. |

Check ? Value Range

Sample Name: 828796MS Acquired: 5/27/2010 16:01:52 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|----------------|---------------|---------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 {446} | 224.306 {150}2 | 224.306 {450} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 416.08 | 4049.4 | 4323.1 | 5149.4 |
| Stddev | .44 | .1 | 8.5 | 37.1 |
| %RSD | .10516 | .00173 | .19565 | .72126 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 416.39 | 4049.4 | 4317.1 | 5175.7 |
| #2 | 415.77 | 4049.3 | 4329.1 | 5123.2 |

Sample Name: 828796DP Acquired: 5/27/2010 16:05:52 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.375 | 83730. | 50.43 | 16.88 | 522.9 |
| Stddev | .628 | 254. | 7.04 | .59 | 3.3 |
| %RSD | 18.60 | .3027 | 13.96 | 3.468 | .6249 |
| #1 | -2.931 | 83550. | 45.45 | 17.29 | 520.6 |
| #2 | -3.819 | 83910. | 55.41 | 16.46 | 525.2 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.545 | 59750. | 2.597 | 61.09 | 202.3 |
| Stddev | .269 | 207. | .313 | .24 | .1 |
| %RSD | 3.564 | .3472 | 12.05 | .3993 | .0739 |
| #1 | 7.735 | 59600. | 2.818 | 60.92 | 202.2 |
| #2 | 7.355 | 59900. | 2.375 | 61.27 | 202.4 |

Check ? Value Range
 None None None None None

Sample Name: 828796DP Acquired: 5/27/2010 16:05:52 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 249.1 | 163400. | 16320. | 53590. | 3856. |
| Stddev | .9 | 130. | 64. | 137. | 22. |
| %RSD | .3488 | .0796 | .3943 | .2549 | .5583 |
| #1 | 249.8 | 163500. | 16280. | 53500. | 3871. |
| #2 | 248.5 | 163300. | 16370. | 53690. | 3840. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 161.7 | 495.5 | 163.6 | 5032. | 208.5 |
| Stddev | .0 | 6.5 | 1.1 | 10. | .0 |
| %RSD | .0053 | 1.319 | .6825 | .2068 | .0191 |
| #1 | 161.7 | 500.1 | 162.8 | 5024. | 208.5 |
| #2 | 161.8 | 490.9 | 164.4 | 5039. | 208.6 |

Check ? Value Range
 None None None None None

Sample Name: 828796DP Acquired: 5/27/2010 16:05:52 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.409 | -1.981 | 3551. | 4.220 | 296.2 |
| Stddev | .271 | 1.460 | 12. | 1.488 | 1.3 |
| %RSD | 3.218 | 73.70 | .3364 | 35.25 | .4463 |
| #1 | -8.218 | -.9486 | 3559. | 3.168 | 295.2 |
| #2 | -8.601 | -3.013 | 3542. | 5.272 | 297.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2399. | -8.356 | 247.4 | 632.0 |
| Stddev | 5. | .963 | .3 | .8 |
| %RSD | .2260 | 11.53 | .1011 | .1230 |
| #1 | 2395. | -9.037 | 247.6 | 631.4 |
| #2 | 2402. | -7.674 | 247.2 | 632.5 |

Check ? Value Range
 None None None None

Sample Name: 828796DP Acquired: 5/27/2010 16:05:52 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 421.15 | 4051.7 | 4334.7 | 5117.7 |
| Stddev | .58 | 25.3 | 3.5 | 31.6 |
| %RSD | .13661 | .62445 | .08005 | .61799 |
| #1 | 421.56 | 4033.8 | 4337.1 | 5140.1 |
| #2 | 420.75 | 4069.6 | 4332.2 | 5095.3 |

Check ? Value Range
 None None None None

Sample Name: 828797 Acquired: 5/27/2010 16:09:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3990 | 90150. | 69.58 | -1.735 | 538.6 |
| Stddev | .0154 | .795 | 1.77 | .033 | 9.8 |
| %RSD | 3.869 | .8819 | 2.549 | 1.883 | 1.817 |
| #1 | .3881 | 90720. | 70.83 | -1.712 | 545.5 |
| #2 | .4100 | 89590. | 68.32 | -1.758 | 531.7 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.15 | 106200. | 11.51 | 85.21 | 350.7 |
| Stddev | .23 | 1237. | .18 | .46 | .5 |
| %RSD | 1.727 | 1.164 | 1.522 | .5342 | .1478 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 13.31 | 107100. | 11.39 | 84.88 | 350.3 |
| #2 | 12.99 | 105400. | 11.64 | 85.53 | 351.0 |

Check ? Value Range
 None None None None None

Sample Name: 828797 Acquired: 5/27/2010 16:09:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1218. | 208800. | 29140. | 85630. | 12190. |
| Stddev | 5. | 483. | 38. | 994. | 186. |
| %RSD | .4442 | .2312 | .1297 | 1.160 | 1.527 |
| #1 | 1221. | 209100. | 29170. | 86330. | 12320. |
| #2 | 1214. | 208500. | 29110. | 84920. | 12050. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1449. | 1243. | 241.4 | 8590. | 572.5 |
| Stddev | 3. | 32. | .5 | 10. | 2.8 |
| %RSD | .2139 | 2.583 | .2216 | .1128 | .4939 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1447. | 1266. | 241.7 | 8583. | 574.5 |
| #2 | 1452. | 1220. | 241.0 | 8596. | 570.5 |

Check ? Value Range
 None None None None None

Sample Name: 828797 Acquired: 5/27/2010 16:09:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.35 | -6.498 | 7359. | 2.656 | 258.5 |
| Stddev | .01 | 1.099 | 24. | 1.185 | 1.5 |
| %RSD | .0698 | 16.91 | .3280 | 44.59 | .5970 |
| #1 | -10.34 | -7.275 | 7376. | 3.494 | 259.6 |
| #2 | -10.35 | -5.721 | 7342. | 1.819 | 257.4 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5187. | -29.60 | 390.7 | 1687. |
| Stddev | 30. | .37 | .5 | 3. |
| %RSD | 5812 | 1.247 | .1257 | .1871 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 5208. | -29.86 | 390.4 | 1685. |
| #2 | 5165. | -29.34 | 391.1 | 1689. |

Check ? Value Range
 None None None None

Sample Name: 828797 Acquired: 5/27/2010 16:09:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 405.71 | 4194.6 | 4484.4 | 5331.0 |
| Stddev | .40 | 42.1 | 4.9 | 52.0 |
| %RSD | .09794 | 1.0032 | .10993 | .97569 |
| #1 | 405.43 | 4164.9 | 4481.0 | 5294.2 |
| #2 | 405.99 | 4224.4 | 4487.9 | 5367.8 |

Sample Name: 828798 Acquired: 5/27/2010 16:13:51 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.159 | 95440. | 55.84 | 19.03 | 644.3 |
| Stddev | .827 | 171. | 4.04 | .63 | 13.7 |
| %RSD | 26.16 | .1793 | 7.237 | 3.305 | 2.121 |
| #1 | -2.575 | 95320. | 52.98 | 19.48 | 654.0 |
| #2 | -3.744 | 95560. | 58.70 | 18.59 | 634.6 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.441 | 94870. | 3.682 | 70.77 | 206.7 |
| Stddev | .194 | 76. | .034 | .48 | .5 |
| %RSD | 2.296 | .0802 | .9278 | .6811 | .2522 |
| #1 | 8.578 | 94930. | 3.658 | 71.11 | 206.4 |
| #2 | 8.304 | 94820. | 3.706 | 70.43 | 207.1 |

Check ? Value Range
 None None None None None

Sample Name: 828798 Acquired: 5/27/2010 16:13:51 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 316.3 | 175200. | 18170. | 55610. | 4223. |
| Stddev | .4 | 196. | 24. | 118. | 26. |
| %RSD | .1133 | .1118 | .1319 | .2129 | .6041 |
| #1 | 316.5 | 175100. | 18150. | 55700. | 4205. |
| #2 | 316.0 | 175400. | 18190. | 55530. | 4241. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 231.0 | 549.1 | 162.4 | 4976. | 225.6 |
| Stddev | .2 | 39.1 | .0 | 6. | .2 |
| %RSD | .0826 | 7.127 | .0141 | .1113 | .1058 |
| #1 | 231.2 | 576.8 | 162.4 | 4972. | 225.8 |
| #2 | 230.9 | 521.4 | 162.5 | 4980. | 225.5 |

Check ? Value Range
 None None None None None

Sample Name: 828798 Acquired: 5/27/2010 16:13:51 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.630 | -6.400 | 4163. | 4.392 | 382.8 |
| Stddev | 2.693 | .972 | 10. | .302 | 4.3 |
| %RSD | 27.97 | 15.18 | .2302 | 6.887 | 1.118 |
| #1 | -11.53 | -7.087 | 4157. | 4.178 | 385.8 |
| #2 | -7.726 | -5.713 | 4170. | 4.606 | 379.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2797. | -9.587 | 286.9 | 752.9 |
| Stddev | 1. | .115 | .3 | .4 |
| %RSD | .0334 | 1.196 | .0894 | .0478 |
| #1 | 2797. | -9.668 | 286.7 | 752.6 |
| #2 | 2796. | -9.506 | 287.1 | 753.2 |

Check ? Value Range
 None None None None

Sample Name: 828798 Acquired: 5/27/2010 16:13:51 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 415.52 | 4116.6 | 4387.3 | 5191.7 |
| Stddev | .52 | 15.2 | 8.4 | 7.6 |
| %RSD | .12548 | .36802 | .19052 | .14593 |
| #1 | 415.15 | 4127.3 | 4393.3 | 5197.0 |
| #2 | 415.89 | 4105.8 | 4381.4 | 5186.3 |

#1 415.15 4127.3 4393.3 5197.0
 #2 415.89 4105.8 4381.4 5186.3

Sample Name: 828799 Acquired: 5/27/2010 16:17:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.490 | 107300. | 54.83 | 17.91 | 636.6 |
| Stddev | .449 | 88. | .28 | 1.09 | .1 |
| %RSD | 18.02 | .0818 | .5103 | 6.079 | .0129 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -2.807 | 107300. | 54.64 | 17.14 | 636.5 |
| #2 | -2.172 | 107200. | 55.03 | 18.68 | 636.6 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.352 | 81670. | 5.435 | 85.59 | 264.1 |
| Stddev | .033 | 224. | .271 | .39 | .2 |
| %RSD | .3471 | .2739 | 4.991 | .4520 | .0899 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 9.375 | 81830. | 5.627 | 85.86 | 263.9 |
| #2 | 9.329 | 81510. | 5.243 | 85.31 | 264.3 |

Check ? Value Range

Sample Name: 828799 Acquired: 5/27/2010 16:17:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 473.0 | 200300. | 20730. | 65360. | 5512. |
| Stddev | 2.1 | 1066. | 190. | 40. | 20. |
| %RSD | .4344 | .5325 | .9153 | .0606 | .3669 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 474.5 | 201000. | 20590. | 65380. | 5526. |
| #2 | 471.6 | 199500. | 20860. | 65330. | 5498. |

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 394.1 | 654.2 | 201.6 | 6294. | 322.2 |
| Stddev | .2 | 33.3 | .2 | 2. | 2.5 |
| %RSD | .0584 | 5.086 | .1206 | .0370 | .7786 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 394.2 | 677.7 | 201.4 | 6292. | 324.0 |
| #2 | 393.9 | 630.7 | 201.7 | 6296. | 320.5 |

Check ? Value Range

Sample Name: 828799 Acquired: 5/27/2010 16:17:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -11.36 | -4.587 | 4767. | 1.938 | 345.9 |
| Stddev | .98 | 1.377 | 37. | .399 | .6 |
| %RSD | 8.612 | 30.01 | .7786 | 20.61 | .1848 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -10.67 | -3.613 | 4793. | 1.655 | 345.4 |
| #2 | -12.05 | -5.560 | 4740. | 2.220 | 346.4 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3858. | -13.83 | 338.4 | 1055. |
| Stddev | 11. | 2.17 | 1.9 | 1. |
| %RSD | .2913 | 15.73 | .5639 | .0710 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3866. | -15.37 | 339.7 | 1055. |
| #2 | 3850. | -12.29 | 337.0 | 1056. |

Check ? Value Range

Sample Name: 828799 Acquired: 5/27/2010 16:17:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 415.92 | 4166.0 | 4430.4 | 5303.2 |
| Stddev | 1.15 | 3.8 | 7.4 | 5.0 |
| %RSD | .27707 | .09220 | .16600 | .09456 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 415.10 | 4163.3 | 4435.6 | 5306.7 |
| #2 | 416.73 | 4168.7 | 4425.2 | 5299.6 |

Sample Name: 828800 Acquired: 5/27/2010 16:21:55 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.738 | 90450. | 49.89 | 13.90 | 522.7 |
| Stddev | .698 | 210. | 1.35 | .58 | 3.6 |
| %RSD | 25.49 | .2325 | 2.710 | 4.142 | .6825 |
| #1 | -2.245 | 90310. | 48.93 | 14.31 | 520.1 |
| #2 | -3.232 | 90600. | 50.84 | 13.50 | 525.2 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.718 | 61620. | 2.962 | 60.31 | 196.3 |
| Stddev | .038 | 39. | .044 | .51 | .6 |
| %RSD | .4357 | .0635 | 1.488 | .8461 | .2882 |
| #1 | 8.745 | 61650. | 2.993 | 60.67 | 196.7 |
| #2 | 8.691 | 61590. | 2.931 | 59.95 | 195.9 |

Check ? Value Range
 None None None None None

Sample Name: 828800 Acquired: 5/27/2010 16:21:55 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 282.5 | 159700. | 13890. | 49020. | 3478. |
| Stddev | .2 | 394. | 54. | 67. | 15. |
| %RSD | .0783 | .2464 | .3900 | .1369 | .4310 |
| #1 | 282.3 | 159500. | 13930. | 49060. | 3489. |
| #2 | 282.6 | 160000. | 13850. | 48970. | 3468. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 174.1 | 480.7 | 157.4 | 4730. | 243.1 |
| Stddev | .1 | 6.8 | .9 | 11. | 4.1 |
| %RSD | .0801 | 1.414 | .5963 | .2229 | 1.668 |
| #1 | 174.0 | 485.5 | 158.1 | 4738. | 240.2 |
| #2 | 174.2 | 475.9 | 156.7 | 4723. | 245.9 |

Check ? Value Range
 None None None None None

Sample Name: 828800 Acquired: 5/27/2010 16:21:55 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.866 | -2.528 | 4309. | 5.606 | 315.6 |
| Stddev | 1.168 | .628 | 20. | 616 | .1 |
| %RSD | 14.85 | 24.83 | .4587 | 10.98 | .0444 |
| #1 | -7.040 | -2.084 | 4295. | 6.042 | 315.7 |
| #2 | -8.692 | -2.972 | 4323. | 5.171 | 315.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2332. | -7.191 | 283.4 | 645.1 |
| Stddev | 4. | 1.578 | .5 | 1.4 |
| %RSD | .1654 | 21.95 | .1709 | .2203 |
| #1 | 2329. | -8.307 | 283.1 | 646.1 |
| #2 | 2334. | -6.075 | 283.8 | 644.1 |

Check ? Value Range
 None None None None

Sample Name: 828800 Acquired: 5/27/2010 16:21:55 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.806 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 424.28 | 4154.1 | 4412.3 | 5197.3 |
| Stddev | 2.16 | 13.2 | 10.1 | 22.8 |
| %RSD | .51008 | .31865 | .22806 | .43857 |
| #1 | 425.81 | 4163.4 | 4405.2 | 5181.2 |
| #2 | 422.75 | 4144.7 | 4419.4 | 5213.4 |

Sample Name: 828801 Acquired: 5/27/2010 16:25:57 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.225 | 68550. | 69.49 | -4.373 | 498.8 |
| Stddev | .1785 | 31. | 3.83 | 1.243 | .5 |
| %RSD | 28.68 | .0452 | 5.517 | 28.43 | .0931 |

| | | | | | |
|---------|-------|--------|-------|--------|-------|
| #1 | -7488 | 68570. | 72.20 | -5.252 | 498.4 |
| #2 | -4963 | 68530. | 66.78 | -3.494 | 499.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.16 | 128800. | 8.287 | 100.9 | 311.3 |
| Stddev | .10 | 115. | .173 | .1 | .9 |
| %RSD | .9621 | .0894 | 2.093 | .1076 | .2769 |

| | | | | | |
|---------|-------|---------|-------|-------|-------|
| #1 | 10.23 | 128900. | 8.410 | 100.8 | 310.7 |
| #2 | 10.09 | 128800. | 8.165 | 100.9 | 311.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828801 Acquired: 5/27/2010 16:25:57 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1085. | 180100. | 26880. | 64240. | 8264. |
| Stddev | 2. | 159. | 42. | 262. | 47. |
| %RSD | .1384 | .0883 | .1572 | .4079 | .5658 |

| | | | | | |
|---------|-------|---------|--------|--------|-------|
| #1 | 1086. | 180000. | 26850. | 64430. | 8231. |
| #2 | 1084. | 180200. | 26910. | 64060. | 8297. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1850. | 1209. | 251.0 | 6563. | 603.2 |
| Stddev | 3. | 5. | .3 | 28. | 3.3 |
| %RSD | .1586 | .4432 | .1306 | .4288 | .5438 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 1848. | 1205. | 251.2 | 6543. | 600.9 |
| #2 | 1852. | 1212. | 250.7 | 6583. | 605.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828801 Acquired: 5/27/2010 16:25:57 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.703 | -4.959 | 5920. | .3303 | 429.9 |
| Stddev | 1.088 | .175 | 11. | .9877 | .7 |
| %RSD | 12.51 | 3.522 | .1787 | 299.0 | .1605 |

| | | | | | |
|---------|--------|--------|-------|--------|-------|
| #1 | -9.473 | -4.835 | 5912. | 1.029 | 429.4 |
| #2 | -7.934 | -5.082 | 5927. | -.3681 | 430.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4897. | -20.92 | 311.5 | 1217. |
| Stddev | 3. | .51 | .8 | 4. |
| %RSD | .0523 | 2.429 | .2698 | .3461 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 4898. | -20.56 | 312.1 | 1215. |
| #2 | 4895. | -21.28 | 310.9 | 1220. |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828801 Acquired: 5/27/2010 16:25:57 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 407.80 | 4207.0 | 4459.1 | 5327.7 |
| Stddev | .92 | 10.9 | 7.7 | 22.3 |
| %RSD | .22665 | .26026 | .17291 | .41808 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 408.45 | 4199.2 | 4464.6 | 5343.4 |
| #2 | 407.14 | 4214.7 | 4453.7 | 5311.9 |

Sample Name: 828802 Acquired: 5/27/2010 16:29:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.291 | 91250. | 48.97 | 12.44 | 544.9 |
| Stddev | .552 | 425. | .61 | .11 | 12.8 |
| %RSD | 42.77 | .4661 | 1.253 | .8642 | 2.348 |
| #1 | 1.681 | 91550. | 49.40 | 12.37 | 553.9 |
| #2 | .9004 | 90950. | 48.53 | 12.52 | 535.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.393 | 53680. | 3.699 | 66.64 | 208.7 |
| Stddev | .089 | 120. | .128 | .47 | .1 |
| %RSD | 1.057 | .2232 | 3.452 | .7066 | .0503 |
| #1 | 8.455 | 53770. | 3.608 | 66.30 | 208.6 |
| #2 | 8.330 | 53600. | 3.789 | 66.97 | 208.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828802 Acquired: 5/27/2010 16:29:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 424.7 | 161900. | 18950. | 52960. | 4502. |
| Stddev | .6 | 538. | 95. | 106. | 1. |
| %RSD | .1520 | .3323 | .4995 | .1996 | .0245 |
| #1 | 425.2 | 161500. | 19010. | 53040. | 4503. |
| #2 | 424.3 | 162200. | 18880. | 52890. | 4501. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 288.4 | 507.6 | 169.2 | 484.1 | 288.1 |
| Stddev | .2 | 26.2 | 1.5 | 21. | .5 |
| %RSD | .0539 | 5.162 | .8952 | .4291 | .1719 |
| #1 | 288.6 | 489.1 | 168.1 | 482.7 | 287.8 |
| #2 | 288.3 | 526.2 | 170.2 | 4856. | 288.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828802 Acquired: 5/27/2010 16:29:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|---------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.627 | -3.935 | 3341. | 5.219 | 284.8 |
| Stddev | .877 | 3.720 | 7. | .936 | 1.6 |
| %RSD | 10.17 | 94.54 | .2040 | 17.93 | .5625 |
| #1 | -8.007 | -1.305 | 3336. | 4.557 | 285.9 |
| #2 | -9.248 | -6.565 | 3346. | 5.880 | 283.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 2672. | -11.46 | 278.8 | 755.6 | |
| Stddev | 2. | 1.40 | .8 | 3.2 | |
| %RSD | .0893 | 12.22 | .2877 | .4219 | |
| #1 | 2670. | -10.47 | 278.3 | 753.3 | |
| #2 | 2673. | -12.45 | 279.4 | 757.9 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828802 Acquired: 5/27/2010 16:29:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 421.72 | 4132.7 | 4412.3 | 5193.3 |
| Stddev | .76 | 18.5 | 15.5 | 14.2 |
| %RSD | .18086 | .44826 | .35204 | .27254 |
| #1 | 422.25 | 4145.8 | 4423.2 | 5183.3 |
| #2 | 421.18 | 4119.6 | 4401.3 | 5203.3 |

Sample Name: 828803 Acquired: 5/27/2010 16:33:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.026 | 94370. | 59.02 | 12.86 | 582.5 |
| Stddev | .854 | 389. | 1.26 | .78 | 11.4 |
| %RSD | 28.20 | .4118 | 2.133 | 6.031 | 1.962 |
| #1 | -3.630 | 94100. | 58.13 | 12.31 | 574.4 |
| #2 | -2.423 | 94650. | 59.91 | 13.41 | 590.6 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.909 | 54220. | 4.051 | 74.70 | 225.9 |
| Stddev | .125 | 310. | .002 | .82 | .5 |
| %RSD | 1.263 | .5725 | .0577 | 1.104 | .2365 |
| #1 | 9.820 | 54000. | 4.049 | 74.12 | 225.5 |
| #2 | 9.997 | 54440. | 4.052 | 75.29 | 226.3 |

Check ? Value Range
 None None None None None

Sample Name: 828803 Acquired: 5/27/2010 16:33:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 406.6 | 188800. | 16970. | 54740. | 4138. |
| Stddev | 1.3 | 350. | 83. | 273. | 40. |
| %RSD | .3286 | .1852 | .4894 | .4991 | .9662 |
| #1 | 407.5 | 189000. | 16910. | 54550. | 4166. |
| #2 | 405.6 | 188500. | 17030. | 54940. | 4110. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 256.3 | 556.8 | 187.9 | 5110. | 231.1 |
| Stddev | .8 | 6.5 | .0 | 9. | 2.9 |
| %RSD | .3118 | 1.159 | .0221 | .1857 | 1.266 |
| #1 | 255.8 | 552.2 | 188.0 | 5116. | 229.0 |
| #2 | 256.9 | 561.3 | 187.9 | 5103. | 233.2 |

Check ? Value Range
 None None None None None

Sample Name: 828803 Acquired: 5/27/2010 16:33:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.14 | -3.132 | 3778. | 3.424 | 314.9 |
| Stddev | .74 | 1.360 | 14. | .428 | 1.3 |
| %RSD | 7.329 | 43.43 | .3625 | 12.49 | .4176 |
| #1 | -10.66 | -2.170 | 3787. | 3.727 | 313.9 |
| #2 | -9.614 | -4.094 | 3768. | 3.122 | 315.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3221. | -8.334 | 321.2 | 832.0 |
| Stddev | 2. | .100 | .8 | 1.6 |
| %RSD | .0651 | 1.204 | .2383 | .1928 |
| #1 | 3222. | -8.263 | 321.7 | 833.1 |
| #2 | 3219. | -8.405 | 320.6 | 830.8 |

Check ? Value Range
 None None None None

Sample Name: 828803 Acquired: 5/27/2010 16:33:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 421.04 | 4165.2 | 4427.1 | 5211.3 |
| Stddev | .75 | 9.0 | 28.2 | 21.0 |
| %RSD | .17745 | .21645 | .63633 | .40338 |
| #1 | 420.51 | 4158.9 | 4407.1 | 5226.1 |
| #2 | 421.57 | 4171.6 | 4447.0 | 5196.4 |

Check ? Value Range
 None None None None

Sample Name: CCV Acquired: 5/27/2010 16:37:56 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.15 | 30500. | 104.6 | 719.3 | 193.0 |
| Stddev | .16 | 150. | .1 | 1.6 | 5.8 |
| %RSD | .1618 | .4927 | .0658 | .2251 | 3.009 |
| #1 | 97.27 | 30390. | 104.7 | 718.2 | 197.1 |
| #2 | 97.04 | 30600. | 104.6 | 720.5 | 188.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.9 | 30140. | 98.88 | 193.0 | 197.2 |
| Stddev | .8 | 112. | .15 | .5 | .3 |
| %RSD | .8140 | .3713 | .1486 | .2529 | .1746 |
| #1 | 101.3 | 30060. | 98.78 | 193.3 | 197.4 |
| #2 | 102.5 | 30220. | 98.98 | 192.6 | 196.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 16:37:56 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 189.1 | 30380. | 30360. | 30520. | 193.0 |
| Stddev | .7 | 54. | 227. | 26. | .3 |
| %RSD | .3543 | .1768 | .7491 | .0858 | .1602 |
| #1 | 188.6 | 30340. | 30200. | 30540. | 192.8 |
| #2 | 189.6 | 30420. | 30520. | 30500. | 193.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 201.4 | 30620. | 189.9 | 205.9 | 408.6 |
| Stddev | .0 | 141. | .3 | .9 | 1.8 |
| %RSD | .0006 | .4607 | .1555 | .4582 | .4428 |
| #1 | 201.4 | 30520. | 190.2 | 206.6 | 409.9 |
| #2 | 201.4 | 30720. | 189.7 | 205.2 | 407.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 16:37:56 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 294.3 | 98.27 | 1012. | 197.1 | 306.1 |
| Stddev | 1.2 | 2.55 | . | .6 | 1.0 |
| %RSD | .4143 | 2.590 | .0024 | .3285 | .3313 |
| #1 | 293.4 | 100.1 | 1012. | 196.6 | 306.8 |
| #2 | 295.1 | 96.47 | 1012. | 197.5 | 305.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 401.0 | 99.86 | 200.9 | 200.7 |
| Stddev | .3 | 1.51 | .3 | .0 |
| %RSD | .0721 | 1.510 | .1291 | .0087 |
| #1 | 401.2 | 100.9 | 200.8 | 200.7 |
| #2 | 400.8 | 98.80 | 201.1 | 200.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 16:37:56 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 421.99 | 3879.4 | 4134.0 | 4806.7 |
| Stddev | .02 | 9.9 | 9.6 | 13.3 |
| %RSD | .00573 | .25586 | .23173 | .27733 |
| #1 | 422.01 | 3886.5 | 4140.7 | 4797.3 |
| #2 | 421.97 | 3872.4 | 4127.2 | 4816.1 |

Sample Name: CCB Acquired: 5/27/2010 16:41:44 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4487 | 34.24 | .1160 | 1.311 | -2.237 |
| Stddev | .2488 | 2.39 | 2.924 | 1.425 | 7.599 |
| %RSD | 55.44 | 6.971 | 2521. | 108.8 | 339.7 |

| | | | | | |
|----|-------|-------|--------|-------|--------|
| #1 | -6246 | 32.55 | 2.184 | 2.319 | -7.611 |
| #2 | -2728 | 35.92 | -1.952 | .3028 | 3.136 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0816 | -39.68 | -.1314 | -.6322 | -.0058 |
| Stddev | .0375 | 24.76 | .1629 | .1375 | .0561 |
| %RSD | 45.92 | 62.42 | 124.0 | 21.75 | 972.2 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | .1081 | -22.17 | -.2466 | -.7294 | -.0454 |
| #2 | .0551 | -57.19 | -.0162 | -.5350 | .0339 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 16:41:44 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4678 | -3.143 | 41.88 | 1.685 | .2273 |
| Stddev | .1411 | 19.48 | 53.53 | 42.20 | .0001 |
| %RSD | 30.16 | 619.8 | 127.8 | 2505. | .0502 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .3681 | 10.63 | 4.027 | -28.16 | .2272 |
| #2 | .5676 | -16.92 | 79.73 | 31.53 | .2274 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0050 | -10.53 | .1746 | .0302 | .9128 |
| Stddev | .0942 | 4.47 | .1296 | 1.037 | .9171 |
| %RSD | 1875. | 42.45 | 74.23 | 3436. | 100.5 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -.0716 | -13.69 | .0829 | .7632 | 1.561 |
| #2 | .0616 | -7.369 | .2662 | -.7028 | .2643 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 16:41:44 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.072 | 1.121 | -.4587 | -.2719 | .0223 |
| Stddev | .155 | .549 | 3.210 | .3201 | .0145 |
| %RSD | 7.503 | 48.94 | 699.8 | 117.7 | 64.89 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 1.962 | .7332 | -2.728 | -.0455 | .0325 |
| #2 | 2.182 | 1.509 | 1.811 | -.4982 | .0121 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .4910 | .1350 | -.3077 | .0340 |
| Stddev | .0007 | 1.305 | .0586 | .0265 |
| %RSD | .1421 | 966.2 | 19.05 | 78.11 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .4905 | -.7876 | -.2663 | .0528 |
| #2 | .4915 | 1.058 | -.3491 | .0152 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 16:41:44 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 453.35 | 3953.6 | 4188.7 | 4800.2 |
| Stddev | .47 | 28.6 | 8.4 | 27.6 |
| %RSD | .10379 | .72440 | .20129 | .57450 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 453.02 | 3933.3 | 4182.7 | 4819.7 |
| #2 | 453.68 | 3973.8 | 4194.6 | 4780.7 |

Sample Name: 828804 Acquired: 5/27/2010 16:45:39 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.476 | 115000. | 55.77 | 17.60 | 863.1 |
| Stddev | .499 | 296. | 1.73 | .09 | 2.7 |
| %RSD | 33.81 | .2573 | 3.109 | .5094 | .3102 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -1.829 | 114800. | 57.00 | 17.54 | 861.2 |
| #2 | -1.124 | 115200. | 54.55 | 17.67 | 865.0 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.22 | 107800. | 6.651 | 85.35 | 288.9 |
| Stddev | .09 | 414. | .036 | .27 | .2 |
| %RSD | .8424 | .3841 | .5490 | .3174 | .0810 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 11.29 | 107500. | 6.625 | 85.55 | 288.7 |
| #2 | 11.16 | 108100. | 6.677 | 85.16 | 289.0 |

Check ? Value Range

Sample Name: 828804 Acquired: 5/27/2010 16:45:39 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 566.6 | 193400. | 25860. | 68260. | 5723. |
| Stddev | .3 | 99. | 159. | 92. | 27. |
| %RSD | .0617 | .0510 | .6141 | .1346 | .4795 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 566.8 | 193500. | 25740. | 68200. | 5704. |
| #2 | 566.3 | 193300. | 25970. | 68330. | 5743. |

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 722.7 | 713.3 | 224.4 | 6094. | 386.9 |
| Stddev | .8 | 17.7 | .1 | 5. | 2.2 |
| %RSD | .1155 | 2.479 | .0655 | .0768 | .5633 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 722.2 | 725.8 | 224.3 | 6091. | 388.5 |
| #2 | 723.3 | 700.8 | 224.5 | 6098. | 385.4 |

Check ? Value Range

Sample Name: 828804 Acquired: 5/27/2010 16:45:39 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.769 | -7.033 | 4147. | .4482 | 648.2 |
| Stddev | 1.895 | .820 | 21. | .4826 | 5.3 |
| %RSD | 19.40 | 11.66 | .4948 | 107.7 | .8223 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -11.11 | -6.454 | 4162. | .1070 | 652.0 |
| #2 | -8.429 | -7.613 | 4133. | .7895 | 644.5 |

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4235. | -12.95 | 339.7 | 1154. |
| Stddev | 3. | .66 | 1.8 | . |
| %RSD | .0626 | 5.067 | .5385 | .0108 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 4237. | -12.49 | 338.4 | 1153. |
| #2 | 4233. | -13.42 | 341.0 | 1154. |

Check ? Value Range

Sample Name: 828804 Acquired: 5/27/2010 16:45:39 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 409.63 | 4161.8 | 4415.0 | 5237.9 |
| Stddev | .27 | 11.7 | 8.7 | 30.7 |
| %RSD | .06648 | .28127 | .19685 | .58638 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.43 | 4153.6 | 4408.9 | 5259.6 |
| #2 | 409.82 | 4170.1 | 4421.2 | 5216.1 |

Sample Name: 828805 Acquired: 5/27/2010 16:49:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2059 | 92650. | 56.72 | 7.283 | 620.4 |
| Stddev | 1.094 | 861. | 1.82 | .512 | 5.4 |
| %RSD | 53.15 | .9289 | 3.203 | 7.035 | .8679 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | -2833 | 92040. | 58.00 | 7.645 | 616.6 |
| #2 | -1285 | 93250. | 55.43 | 6.921 | 624.2 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.80 | 100100. | 7.490 | 97.37 | 297.6 |
| Stddev | .08 | 590. | .115 | .43 | .3 |
| %RSD | .7561 | .5889 | 1.537 | .4425 | .1125 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 10.86 | 99690. | 7.571 | 97.06 | 297.3 |
| #2 | 10.74 | 100500. | 7.408 | 97.67 | 297.8 |

Check ? Value Range
 None None None None None

Sample Name: 828805 Acquired: 5/27/2010 16:49:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 857.5 | 200400. | 27950. | 65930. | 6371. |
| Stddev | 4.4 | 959. | 223. | 447. | 18. |
| %RSD | .5075 | .4785 | .7964 | .6777 | .2867 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 860.6 | 201100. | 27790. | 65620. | 6358. |
| #2 | 854.5 | 199700. | 28100. | 66250. | 6384. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1330. | 687.8 | 234.5 | 6451. | 615.4 |
| Stddev | 1. | 10.9 | 1.3 | 13. | .5 |
| %RSD | .0595 | 1.590 | .5732 | .1975 | .0834 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1329. | 680.1 | 235.4 | 6460. | 615.8 |
| #2 | 1330. | 695.6 | 233.5 | 6442. | 615.1 |

Check ? Value Range
 None None None None None

Sample Name: 828805 Acquired: 5/27/2010 16:49:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.53 | -5.485 | 4728. | -.9023 | 394.4 |
| Stddev | .14 | 1.705 | 21. | .4491 | 8.0 |
| %RSD | 1.309 | 31.09 | .4498 | 49.78 | 2.030 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -10.63 | -4.279 | 4743. | -1.220 | 388.8 |
| #2 | -10.44 | -6.690 | 4713. | -.5847 | 400.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4991. | -14.27 | 354.9 | 1265. |
| Stddev | 21. | .05 | 1.2 | 2. |
| %RSD | .4278 | .3224 | .3462 | .1907 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 5006. | -14.30 | 355.7 | 1267. |
| #2 | 4976. | -14.23 | 354.0 | 1263. |

Check ? Value Range
 None None None None

Sample Name: 828805 Acquired: 5/27/2010 16:49:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 410.41 | 4187.4 | 4437.2 | 5311.4 |
| Stddev | .92 | 9.7 | 15.7 | 84.6 |
| %RSD | .22528 | .23271 | .35350 | 1.5926 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.76 | 4180.6 | 4426.1 | 5371.2 |
| #2 | 411.07 | 4194.3 | 4448.3 | 5251.6 |

Sample Name: 828806 Acquired: 5/27/2010 16:53:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.048 | 66000. | 35.06 | -3.736 | 590.6 |
| Stddev | .924 | 205. | 2.50 | .561 | 11.0 |
| %RSD | 45.11 | .3102 | 7.138 | 15.01 | 1.868 |
| #1 | -1.395 | 65860. | 33.29 | -3.340 | 582.8 |
| #2 | -2.701 | 66150. | 36.82 | -4.133 | 598.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.19 | 62790. | 6.778 | 83.80 | 298.6 |
| Stddev | .14 | 101. | .051 | .24 | .5 |
| %RSD | 1.183 | .1602 | .7520 | .2857 | .1724 |
| #1 | 12.29 | 62860. | 6.814 | 83.63 | 299.0 |
| #2 | 12.09 | 62710. | 6.742 | 83.97 | 298.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828806 Acquired: 5/27/2010 16:53:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 947.2 | 148500. | 28910. | 60400. | 5687. |
| Stddev | 1.4 | 238. | 21. | 65. | 29. |
| %RSD | .1500 | .1601 | .0740 | .1071 | .5156 |
| #1 | 948.2 | 148700. | 28900. | 60350. | 5666. |
| #2 | 946.2 | 148300. | 28930. | 60450. | 5707. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2082. | 894.9 | 221.4 | 6234. | 590.4 |
| Stddev | 10. | 18.6 | .5 | 11. | 3.6 |
| %RSD | .4584 | 2.074 | .2078 | .1707 | .6058 |
| #1 | 2076. | 881.8 | 221.1 | 6242. | 592.9 |
| #2 | 2089. | 908.0 | 221.7 | 6226. | 587.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828806 Acquired: 5/27/2010 16:53:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.934 | -2.175 | 5115. | -8876 | 400.0 |
| Stddev | .189 | 2.419 | 17. | .1486 | .6 |
| %RSD | 3.192 | 111.2 | .3370 | 16.75 | .1548 |
| #1 | -6.068 | -.4643 | 5127. | -.7825 | 400.5 |
| #2 | -5.800 | -3.885 | 5102. | -.9927 | 399.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 5583. | -16.62 | 321.4 | 1012. | |
| Stddev | 3. | 2.00 | .4 | 1. | |
| %RSD | .0541 | 12.06 | .1328 | .0921 | |
| #1 | 5585. | -18.04 | 321.7 | 1013. | |
| #2 | 5581. | -15.21 | 321.1 | 1011. | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828806 Acquired: 5/27/2010 16:53:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 408.71 | 4192.4 | 4441.4 | 5243.9 |
| Stddev | 2.15 | 11.9 | 3.8 | 10.4 |
| %RSD | .52725 | .28378 | .08555 | .19769 |
| #1 | 407.19 | 4200.8 | 4444.1 | 5251.2 |
| #2 | 410.24 | 4184.0 | 4438.7 | 5236.5 |

Sample Name: 828807 Acquired: 5/27/2010 16:57:42 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.468 | 84440. | 53.54 | 6.315 | 834.7 |
| Stddev | .870 | 269. | 2.39 | .778 | 5.7 |
| %RSD | 35.24 | .3184 | 4.464 | 12.33 | .6843 |
| #1 | 3.083 | 84250. | 51.85 | 5.765 | 838.7 |
| #2 | 1.853 | 84630. | 55.23 | 6.865 | 830.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.57 | 94570. | 7.742 | 94.05 | 294.0 |
| Stddev | .07 | 187. | .284 | .42 | .4 |
| %RSD | .6020 | .1982 | 3.669 | .4517 | .1255 |
| #1 | 11.52 | 94440. | 7.943 | 94.35 | 294.3 |
| #2 | 11.62 | 94700. | 7.541 | 93.75 | 293.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828807 Acquired: 5/27/2010 16:57:42 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 965.4 | 201300. | 30780. | 63790. | 5934. |
| Stddev | 2.2 | 313. | 53. | 215. | 44. |
| %RSD | .2274 | .1557 | .1725 | .3370 | .7346 |
| #1 | 963.8 | 201500. | 30740. | 63640. | 5965. |
| #2 | 966.9 | 201100. | 30820. | 63950. | 5903. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1435. | 787.2 | 229.2 | 6843. | 706.5 |
| Stddev | 1. | 7.9 | .7 | 20. | 1.2 |
| %RSD | .0741 | 1.003 | .2968 | .2950 | .1670 |
| #1 | 1434. | 792.8 | 229.7 | 6857. | 705.6 |
| #2 | 1436. | 781.6 | 228.7 | 6828. | 707.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828807 Acquired: 5/27/2010 16:57:42 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|---------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.441 | -2.604 | 4647. | -1.219 | 475.6 |
| Stddev | 1.870 | 1.486 | 21. | .446 | 1.4 |
| %RSD | 22.16 | 57.05 | .4422 | 36.58 | .3009 |
| #1 | -7.118 | -1.554 | 4662. | -.9038 | 476.6 |
| #2 | -9.763 | -3.655 | 4633. | -1.534 | 474.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 4919. | -15.09 | 346.1 | 1257. | |
| Stddev | 8. | 1.15 | .9 | 1. | |
| %RSD | .1628 | 7.625 | .2616 | .0842 | |
| #1 | 4913. | -14.27 | 346.7 | 1257. | |
| #2 | 4925. | -15.90 | 345.4 | 1256. | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828807 Acquired: 5/27/2010 16:57:42 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 411.52 | 4185.7 | 4425.2 | 5198.0 |
| Stddev | 1.14 | 13.8 | 14.6 | 4.7 |
| %RSD | .27820 | .32983 | .33076 | .09081 |
| #1 | 412.33 | 4176.0 | 4414.9 | 5194.7 |
| #2 | 410.71 | 4195.5 | 4435.6 | 5201.3 |

Sample Name: 828808 Acquired: 5/27/2010 17:01:44 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.689 | 95890. | 55.00 | 22.05 | 624.3 |
| Stddev | .143 | .229 | 3.01 | 1.05 | .2 |
| %RSD | 3.881 | .2388 | 5.472 | 4.783 | .0251 |
| #1 | -3.791 | 96050. | 52.87 | 21.31 | 624.1 |
| #2 | -3.588 | 95730. | 57.13 | 22.80 | 624.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.139 | 116600. | 2.610 | 64.30 | 166.4 |
| Stddev | .287 | .254 | .041 | .15 | .4 |
| %RSD | 3.531 | .2181 | 1.577 | .2293 | .2209 |
| #1 | 7.936 | 116800. | 2.581 | 64.20 | 166.7 |
| #2 | 8.343 | 116500. | 2.639 | 64.41 | 166.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828808 Acquired: 5/27/2010 17:01:44 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 249.5 | 174100. | 17740. | 54780. | 3846. |
| Stddev | .3 | 353. | 23. | 106. | 10. |
| %RSD | .1239 | .2025 | .1297 | .1942 | .2492 |
| #1 | 249.3 | 174400. | 17720. | 54860. | 3853. |
| #2 | 249.7 | 173900. | 17750. | 54710. | 3839. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 214.8 | 632.6 | 139.2 | 4805. | 245.3 |
| Stddev | 1.1 | 18.3 | .8 | 5. | 2.6 |
| %RSD | .5257 | 2.892 | .6014 | .1031 | 1.063 |
| #1 | 215.6 | 645.5 | 139.8 | 4809. | 247.1 |
| #2 | 214.0 | 619.7 | 138.6 | 4802. | 243.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828808 Acquired: 5/27/2010 17:01:44 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.022 | -4.062 | 3952. | 2.608 | 508.7 |
| Stddev | 1.312 | .076 | 7. | .259 | 2.5 |
| %RSD | 18.69 | 1.866 | .1885 | 9.939 | .4979 |
| #1 | -7.950 | -4.116 | 3957. | 2.791 | 510.5 |
| #2 | -6.094 | -4.008 | 3947. | 2.425 | 506.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 2898. | -8.211 | 298.9 | 662.7 | |
| Stddev | 8. | .010 | .6 | 1.8 | |
| %RSD | .2856 | .1189 | .2167 | .2712 | |
| #1 | 2892. | -8.204 | 299.4 | 664.0 | |
| #2 | 2904. | -8.217 | 298.5 | 661.4 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828808 Acquired: 5/27/2010 17:01:44 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 414.88 | 4108.6 | 4358.4 | 5126.9 |
| Stddev | 3.21 | 34.8 | 14.6 | 15.7 |
| %RSD | .77485 | .84777 | .33399 | .30699 |
| #1 | 412.61 | 4084.0 | 4348.1 | 5115.8 |
| #2 | 417.16 | 4133.2 | 4368.7 | 5138.0 |

Sample Name: 828809 Acquired: 5/27/2010 17:05:47 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4515 | 97350. | 41.99 | -8.411 | 905.5 |
| Stddev | 1.480 | 127. | .52 | 1.076 | 5.0 |
| %RSD | 327.8 | .1304 | 1.244 | 12.80 | .5495 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | -5952 | 97260. | 41.62 | -7.650 | 901.9 |
| #2 | 1.498 | 97440. | 42.36 | -9.172 | 909.0 |

| Elem | Be-LL | Ca-HL | Co-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.74 | 103900. | 8.750 | 106.5 | 420.9 |
| Stddev | .02 | 144. | .026 | .5 | .2 |
| %RSD | .1612 | .1386 | .3013 | .4904 | .0418 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 13.72 | 104000. | 8.731 | 106.9 | 421.0 |
| #2 | 13.75 | 103800. | 8.768 | 106.1 | 420.7 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828809 Acquired: 5/27/2010 17:05:47 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1227. | 194000. | 39170. | 86900. | 6613. |
| Stddev | . | 86. | 152. | 11. | 25. |
| %RSD | .0227 | .0442 | .3882 | .0130 | .3760 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 1227. | 193900. | 39060. | 86910. | 6596. |
| #2 | 1227. | 194100. | 39270. | 86900. | 6631. |

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3706. | 1062. | 306.1 | 8231. | 646.5 |
| Stddev | 5. | 5. | .8 | 4. | 3.1 |
| %RSD | .1456 | .4438 | .2456 | .0530 | .4800 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 3702. | 1066. | 306.6 | 8227. | 648.7 |
| #2 | 3710. | 1059. | 305.6 | 8234. | 644.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828809 Acquired: 5/27/2010 17:05:47 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.701 | -5.728 | 8826. | -5.718 | 972.9 |
| Stddev | .837 | .685 | 13. | 1.556 | .7 |
| %RSD | 9.613 | 11.96 | .1487 | 27.21 | .0720 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -9.293 | -5.243 | 8835. | -6.818 | 973.4 |
| #2 | -8.110 | -6.212 | 8816. | -4.618 | 972.4 |

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7295. | -17.74 | 450.1 | 1345. |
| Stddev | 10. | .57 | .3 | 1. |
| %RSD | .1306 | 3.186 | .0747 | .1068 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 7301. | -17.34 | 450.3 | 1344. |
| #2 | 7288. | -18.14 | 449.9 | 1346. |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828809 Acquired: 5/27/2010 17:05:47 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 393.23 | 4210.7 | 4466.2 | 5291.5 |
| Stddev | .56 | 5.6 | 3.0 | 28.7 |
| %RSD | .14146 | .13337 | .06662 | .54315 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 392.84 | 4214.7 | 4468.3 | 5311.8 |
| #2 | 393.62 | 4206.7 | 4464.1 | 5271.1 |

Sample Name: CCV Acquired: 5/27/2010 17:09:48 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.43 | 30470. | 104.6 | 720.3 | 203.3 |
| Stddev | .17 | 4. | .5 | 4.9 | .0 |
| %RSD | .1760 | .0145 | .5259 | .6862 | .0032 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 96.31 | 30470. | 104.2 | 716.8 | 203.3 |
| #2 | 96.55 | 30470. | 105.0 | 723.8 | 203.3 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.1 | 30050. | 99.10 | 193.5 | 196.0 |
| Stddev | .1 | 5. | .24 | .3 | .3 |
| %RSD | .0531 | .0180 | .2387 | .1331 | .1312 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 101.1 | 30050. | 99.27 | 193.3 | 196.2 |
| #2 | 101.0 | 30050. | 98.94 | 193.6 | 195.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 17:09:48 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 188.6 | 30090. | 30400. | 30370. | 193.3 |
| Stddev | 2 | 50. | 48. | 69. | 1.1 |
| %RSD | .1013 | .1653 | .1586 | .2258 | .5564 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 188.8 | 30050. | 30370. | 30330. | 192.6 |
| #2 | 188.5 | 30120. | 30430. | 30420. | 194.1 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 209.2 | 30550. | 190.1 | 204.3 | 407.3 |
| Stddev | .3 | 38. | 5 | .0 | .3 |
| %RSD | .1339 | .1235 | .2543 | .0243 | .0784 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 209.4 | 30580. | 190.4 | 204.2 | 407.6 |
| #2 | 209.0 | 30530. | 189.8 | 204.3 | 407.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 17:09:48 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 294.6 | 102.8 | 1008. | 195.8 | 310.4 |
| Stddev | .3 | .9 | 7. | .2 | 1.0 |
| %RSD | .0975 | .8465 | .7230 | .0913 | .3104 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 294.8 | 102.2 | 1013. | 195.9 | 309.7 |
| #2 | 294.4 | 103.5 | 1003. | 195.7 | 311.1 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 402.5 | 100.3 | 200.0 | 199.5 |
| Stddev | .5 | .3 | .0 | .0 |
| %RSD | .1197 | .2935 | .0248 | .0075 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 402.1 | 100.5 | 199.9 | 199.5 |
| #2 | 402.8 | 100.1 | 200.0 | 199.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 17:09:48 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 421.17 | 3897.3 | 4137.1 | 4758.6 |
| Stddev | .37 | 12.2 | 9.8 | 7.9 |
| %RSD | .08820 | .31261 | .23681 | .16599 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 420.91 | 3888.6 | 4130.1 | 4753.0 |
| #2 | 421.44 | 3905.9 | 4144.0 | 4764.1 |

Sample Name: CCB Acquired: 5/27/2010 17:13:39 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.674 | -14.24 | .7060 | .6730 | 5.820 |
| Stddev | .197 | 2.98 | 2.345 | .4713 | 2.204 |
| %RSD | 11.74 | 20.94 | 332.2 | 70.03 | 37.88 |
| #1 | -1.535 | -12.13 | 2.364 | 1.006 | 4.261 |
| #2 | -1.813 | -16.35 | -.9522 | .3398 | 7.378 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1153 | -50.70 | .0630 | -.3641 | .0877 |
| Stddev | .0170 | 4.35 | .0913 | .0953 | .0646 |
| %RSD | 14.71 | 8.572 | 144.8 | 26.17 | 73.71 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | .1033 | -47.63 | .1276 | -.2967 | .0420 |
| #2 | .1272 | -53.77 | -.0015 | -.4314 | .1334 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/27/2010 17:13:39 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8916 | .7564 | 26.98 | -21.84 | .1762 |
| Stddev | .4586 | 14.47 | 81.49 | 32.05 | .0192 |
| %RSD | 51.44 | 1913. | 302.0 | 146.8 | 10.88 |
| #1 | .5673 | 10.99 | 84.60 | .8261 | .1627 |
| #2 | 1.216 | -9.477 | -30.64 | -44.50 | .1898 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.928 | -20.06 | .7087 | .7876 | -1.385 |
| Stddev | .424 | 19.00 | .6632 | .0272 | 1.669 |
| %RSD | 21.97 | 94.71 | 93.57 | 3.452 | 120.5 |

| | | | | | |
|----|-------|--------|-------|-------|--------|
| #1 | 2.228 | -6.624 | .2398 | .8068 | -.2044 |
| #2 | 1.629 | -33.49 | 1.178 | .7683 | -2.565 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/27/2010 17:13:39 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.222 | -5.202 | -.2948 | .6787 | .0232 |
| Stddev | .397 | 1.565 | 3.495 | .6153 | .0547 |
| %RSD | 32.48 | 300.9 | 1186. | 90.66 | 235.9 |
| #1 | .9410 | -1.627 | 2.177 | .2436 | .0619 |
| #2 | 1.502 | .5866 | -2.766 | 1.114 | -.0155 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .8751 | -1.265 | -.2772 | .0728 |
| Stddev | .5827 | .886 | .1820 | .1934 |
| %RSD | 66.59 | 70.03 | 65.67 | 265.5 |

| | | | | |
|----|-------|--------|--------|--------|
| #1 | 1.287 | -.6385 | -.4059 | -.0639 |
| #2 | .4631 | -1.891 | -.1485 | .2096 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/27/2010 17:13:39 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 454.33 | 3951.5 | 4190.3 | 4815.9 |
| Stddev | 3.34 | 6 | 9 | 26.1 |
| %RSD | .73564 | .01512 | .02220 | .54289 |
| #1 | 456.70 | 3951.9 | 4191.0 | 4834.4 |
| #2 | 451.97 | 3951.1 | 4189.7 | 4797.5 |



Sample Preparation – Metals

| STANDARD TRACEABILITY RECORDS | | |
|-------------------------------------|-----------------------------------|--|
| ICP-OES Instrument | | |
| Date: 5/27/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 052710-01 | IFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052710-02 | IFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | Lot Number | |
| Used for all methods | | |
| STD 7: | ME STD 7 _W 00012 | |
| STD 8: | ME STD 8 _W 00008 | |
| STD 4: | ME STD 4 _W 00012 | |
| ICV: | ME ICV _W 00005 | |
| CCV: | ME CCV _W 00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME 5% 2% RINSE _W 00015 | |
| Internal Standard Solution: | ME ICP7 IS _W 00007 | |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | ME 6010 ICSA _W 00008 | |
| ICSAB 6010: | ME 6010 ICSAB _W 00001 | |
| CRI 6010: | ME 6010 CRI _W 00006 | |
| DOD LRV Solution: | | |
| 6010 Post Spiking Solution: | ME SPIKE #1 _W 00008 | |
| 5 PPM AG: | | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | | |
| ICSA ILM05.4: | | |
| ICSAB ILM05.4: | | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

METALS DIGESTION LOG

13764

| Batch Information: | | Method Information: | | | | Reagent & Standard Traceability: | | | |
|--------------------|----------------------|---------------------|----------|---|----|---|----|---|----|
| Date: 5/26/10 | Digestion Method(s): | ILM04.1 | ILM05.4 | HCl Tag ID: MEHCLDIDS-00014 | mL | LCS Lot # MESPIK11W-00014 | mL | MEHCLDIDS-00014 | mL |
| Start Time: 1445 | 3005AES | 3010AES | 3010MS | HNO ₃ Tag ID MEHNO3S-00009 | mL | MEHNO3S-00009 | mL | MEHNO3S-00009 | mL |
| Stop Time: 1515 | 3050AES | 200.7 | 200.8_DW | 1:1 HCl Lot # N13 | mL | 1:1 HCl Lot # N13 | mL | 1:1 HCl Lot # N13 | mL |
| Analyst: MN7 | CEC | SAR | | 1:1 HNO ₃ Lot # ME11HNO3-00004 | mL | 1:1 HNO ₃ Lot # ME11HNO3-00004 | mL | 1:1 HNO ₃ Lot # ME11HNO3-00004 | mL |
| Spike Analyst: MN7 | Matrix: | Tissue | Air | 30% H ₂ O ₂ Lot # N13 | mL | 30% H ₂ O ₂ Lot # N13 | mL | 30% H ₂ O ₂ Lot # N13 | mL |
| Spike Witness: ANS | Water | Soil | | 2% HNO ₃ Lot # N13 | mL | 2% HNO ₃ Lot # N13 | mL | 2% HNO ₃ Lot # N13 | mL |

| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Before Digestion | | | After Digestion | | | Comments |
|------------|-----------|-------------------------------|--------------|------------------|---------|---------|-----------------|-------------|---------|----------|
| | | | | Color | Clarity | Texture | Artifacts | Color | Clarity | |
| PR5052610F | 1.00 | 1.26 | 119.0 | | | | | | | |
| LC5052610F | 1.00 | 1.27 | | | | | | | | |
| 828790 | A1 | 1.05 | | light brown | | Mix | | PALE yellow | CLOUDY | |
| 828791 | | 1.12 | | | | | | | | |
| 828792 | | 1.17 | | | | | | | | |
| 828793 | | 1.23 | | | | | | | | |
| 828794 | | 1.07 | | | | | | | | |
| 828795 | | 1.10 | | | | | | | | |
| 828796 | | 1.07 | | | | | | | | |
| 828796ms | | 1.01 | | | | | | | | |
| 828796 pf | | 1.12 | | | | | | | | |
| 828797 | | 1.23 | | | | | | | | |
| 828798 | | 1.07 | | | | | | | | |
| 828799 | | 1.10 | | | | | | | | |
| 828800 | | 1.06 | | | | | | | | |
| 828801 | | 1.08 | | | | | | | | |
| 828802 | | 1.09 | | | | | | | | |
| 828803 | | 1.09 | | | | | | | | |
| 828804 | | 1.07 | | | | | | | | |
| 828805 | | 1.05 | | | | | | | | |
| 828806 | | 1.05 | | | | | | | | |
| 828807 | | 1.04 | | | | | | | | |
| 828808 | | 1.11 | | | | | | | | |
| 828809 | | 1.07 | | | | | | | | |

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature: Block 1 2 °C Block 2 2 °C Block 3 15 °C Block 4 95 °C Block 5 2 °C Block 6 95 °C Block 7 2 °C Block 8 95 °C



Sample Handling

| | | | |
|---------------------------|--|--------------------------|--|
| FedEx | | 0004 OF 0006 | |
| MPS# 8716 0065 9981 | | | |
| Mstr# 8675 7103 9650 0215 | | | |
| XH BTVA | | | |
| Company | | City | |
| Street Add | | Emp# 508570 03MAY10 APAA | |
| Suite/Room | | © 2004 FedEx 145 | |

TUE - 04 MAY AA
PRIORITY OVERNIGHT

05403
VT-US
BTV



030

DO NOT LIFT USING THIS TAG

| | | | |
|---------------------------|--|------------------------------------|--|
| Recipient's Phone Number | | TO (Recipient's Name) Please Print | |
| FedEx | | XH BTVA | |
| 0002 OF 0006 | | Emp# 588578 03MAY18 APAA | |
| MPS# 8716 0065 9960 | | Street Address | |
| Mstr# 8675 7103 9650 0215 | | City | |
| Site/Room | | Company | |

TUE - 04 MAY AA
PRIORITY OVERNIGHT

05403
VT-US
BTV



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200

TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

| | | |
|--|--------------------------------|----------------------------------|
| Client: <u>VRSCOD</u> | Date Received: <u>05/04/10</u> | Log In Date: <u>05/04/10</u> |
| ETR: <u>137164</u> | Time Received: <u>10:15</u> | By: <u>[Signature]</u> |
| SDG: <u>137164</u> | Received By: <u>VP</u> | Signature: <u>[Signature]</u> |
| Project: <u>29060</u> | # Coolers Received: <u>6</u> | PM Signature: <u>[Signature]</u> |
| Samples Delivered By: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify) | | Date: <u>05/17/10</u> |
| List Air bill Number(s) or Attach a photocopy of the Air Bill: | | |

| COOLER SCREEN | YES | NO | NA | COMMENTS |
|---|-------------------------------------|-------------------------------------|----|----------|
| There is <u>no</u> evidence to indicate tampering | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seals are present and intact | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seal numbers are present | | <input checked="" type="checkbox"/> | | |

If yes, list custody seal numbers:

Thermal Preservation Type: ☒ Wet Ice ☐ Blue Ice ☐ None ☐ Other (specify)

| | |
|-------------------------|---------------------------------------|
| IR Gun ID: <u>96</u> | Correction Factor (CF) = <u>-2</u> °C |
| Cooler 1: <u>2.0</u> °C | Cooler 6: <u>4.3</u> °C |
| Cooler 2: <u>2.2</u> °C | Cooler 7: °C |
| Cooler 3: <u>4.2</u> °C | Cooler 8: °C |
| Cooler 4: <u>0.6</u> °C | Cooler 9: °C |
| Cooler 5: <u>2.8</u> °C | Cooler 10: °C |
| Cooler 11: °C | Cooler 12: °C |
| Cooler 13: °C | Cooler 14: °C |
| Cooler 15: °C | Cooler 16: °C |
| Cooler 17: °C | Cooler 18: °C |
| Cooler 19: °C | Cooler 20: °C |

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun

EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.

Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

| SAMPLE CONDITION | YES | NO | NA | COMMENTS |
|---|-------------------------------------|----|----|----------|
| Sample containers were received intact | <input checked="" type="checkbox"/> | | | |
| Legible sample labels are affixed to each container | <input checked="" type="checkbox"/> | | | |

| CHAIN OF CUSTODY (COC) | YES | NO | NA | COMMENTS |
|------------------------|-----|----|----|----------|
|------------------------|-----|----|----|----------|

COC is present and includes the following information for each container:

| | | | | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|--|
| • Sample ID / Sample Description | <input checked="" type="checkbox"/> | | | |
| • Date of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Time of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Identification of the Sampler | <input checked="" type="checkbox"/> | | | |
| • Preservation Type | | | <input checked="" type="checkbox"/> | |
| • Requested Tests Method(s) | <input checked="" type="checkbox"/> | | | |
| • Necessary Signatures | <input checked="" type="checkbox"/> | | | |
| Internal Chain of Custody (ICOC) Required | | <input checked="" type="checkbox"/> | | |
| If yes to above, ICOC Record initiated for every Worksheet | | | <input checked="" type="checkbox"/> | |

| SAMPLE INTEGRITY / USABILITY | YES | NO | NA | COMMENTS |
|---|-------------------------------------|----|-------------------------------------|----------|
| The sample container matches the COC | <input checked="" type="checkbox"/> | | | |
| Appropriate sample containers were received for the tests requested | <input checked="" type="checkbox"/> | | | |
| Samples were received within holding time | <input checked="" type="checkbox"/> | | | |
| Sufficient amount of sample is provided for requested analyses | <input checked="" type="checkbox"/> | | | |
| VDA vials do not have headspace or a bubble > 6mm (1/4" diameter) | | | <input checked="" type="checkbox"/> | |
| Appropriate preservatives were used for the tests requested | | | <input checked="" type="checkbox"/> | |
| pH of inorganic samples checked and is within method specification | | | <input checked="" type="checkbox"/> | |
| If no, attach Inorganic Sample pH Adjustment Form | | | <input checked="" type="checkbox"/> | |

ANOMALY / NCR SUMMARY

All values < this log read in def beakers at 2.8, 2.0°C, copies of air bills attached.

TestAmerica
South Burlington, VT
Extended Data Package

137166

TestAmerica Laboratories, Inc.

June 1, 2010

Ms. Sheri O'Conner
URS Operating Services, Inc.
1099 18th Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: CMI; SDG: 137166

Dear Ms. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137166 | | | |
| 828828 | CVR2TR1-1-T01N-SOL | 04/30/10 | SOIL |
| 828829 | CVR2TR1-1-T01N-TLG | 04/30/10 | SOIL |
| 828830 | CVR2TR1-1-T03N-SOL | 05/01/10 | SOIL |
| 828830DP | CVR2TR1-1-T03N-SOLREP | 05/01/10 | SOIL |
| 828830MD | CVR2TR1-1-T03N-SOLMSD | 05/01/10 | SOIL |
| 828831 | CVR2TR1-2-T01N-SOL | 04/30/10 | SOIL |
| 828832 | CVR2TR1-2-T01N-TLG | 04/30/10 | SOIL |
| 828833 | CVR2TR1-2-T02N-SOL | 05/01/10 | SOIL |
| 828834 | CVR2TR1-2-T03N-SOL | 05/01/10 | SOIL |
| 828835 | CVR2TR2-1-T02N-SOL | 04/30/10 | SOIL |
| 828836 | CVR2TR2-2-T01N-SOL | 04/29/10 | SOIL |
| 828837 | CVR2TR2-2-T01N-TLG | 04/29/10 | SOIL |
| 828838 | CVR2TR2-2-T02N-SOL | 04/30/10 | SOIL |
| 828839 | CVR2TR2-2-T02D-SOL | 04/30/10 | SOIL |
| 828840 | CVR2TR2-2-T03N-SOL | 04/30/10 | SOIL |
| 828841 | CVR2TR2-2-T03D-SOL | 04/30/10 | SOIL |
| 828842 | CVR2TR2-3-T01N-SOL | 04/29/10 | SOIL |
| 828843 | CVR2TR2-3-T01N-TLG | 04/29/10 | SOIL |
| 828844 | CVR2TR2-3-T02N-SOL | 04/30/10 | SOIL |
| 828845 | CVR2TR3-1-T01N-SOL | 04/28/10 | SOIL |
| 828846 | CVR2TR3-1-T01N-TLG | 04/28/10 | SOIL |
| 828847 | CVR2TR3-1-T02N-SOL | 04/28/10 | SOIL |



Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B

Molybdenum exhibited a low recovery (56.6%) in the sample spike analysis. The method control limits are set at 80-120% recovery. Please refer to report for details.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joe Carabillo', is written over a light blue horizontal line.

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|---|------------|
| Chain of Custody..... | 2 |
| Sample Report Summary Wet Chemistry | 7 |
| Supportive Documentation Wet Chemistry | 29 |
| Sample Report Summary Metals | 33 |
| QC Summary Metals | 55 |
| Supportive Documentation Metals | 77 |
| Sample Preparation Metals | 125 |
| Sample Handling | 128 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

URS Corporation • 8181 E. Tufts Avenue, Denver, CO 80237 • 303-694-2770 • Fax 303-694-3946

PAGE 1 OF 5

| Project Name CMT Soil + Vegetation | | Project Number 32241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|--|--|--|--|---|--|---|--|---|--|------|--|-----|--|-------|--|-------|--|-------|--|------------|--|------|--|------------|--|------------|--|--------------------------------|--|--------------|--|
| Project Manager Marc Soellner | | Report CC Shen - o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | FAX # (303) 322-5297 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 322-5297 | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature <i>Liz Best</i> | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | SAMPLING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | DATE | | TIME | | MATRIX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-1-T01N-SOL | | 04/30/10 | | 1405 | | S | | Total Metals | | Total Number of Containers | | Inorganic Suite (see notes) | | VOCs | | BTX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| CVR2TRI-1-T01N-TLG | | 04/30/10 | | 1400 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | NONE | | | |
| CVR2TRI-1-T03N-SOL | | 05/01/10 | | 1500 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | HCl | | | |
| CVR2TRI-1-T04N-SOL | | 05/01/10 | | 1515 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | HNO ₃ | | | |
| CVR2TRI-2-T01N-SOL | | 04/30/10 | | 1420 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | H ₂ SO ₄ | | | |
| CVR2TRI-2-T01N-TLG | | 04/30/10 | | 1415 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | NaOH | | | |
| CVR2TRI-2-T02N-SOL | | 05/01/10 | | 1645 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | Zn Acetate | | | |
| CVR2TRI-2-T03N-SOL | | 05/01/10 | | 1630 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | MeOH | | | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | TURNAROUND REQUIREMENTS RUSH (surcharge apply) 24 hr 48 hr 5 day | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No per work order | | INVOICE INFORMATION PO# BILL TO: Sheri O'Connor SUBMISSION #: | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | | | |
| URS Contact: ^{EP} sheri-o'connor@urscorp.com | | See SOW <input checked="" type="checkbox"/> | | See QAPP <input type="checkbox"/> | | CUSTODY SEALS: <input checked="" type="checkbox"/> N | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.0 | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | | | |



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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PAGE 2 OF 5

Work Order #

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|--|--|------|--|--|--|----------------------------|--|---|--|-----------------------------|--|---|--|-----|--|-------|--|-------|--|-------|--|------------|--|------|--|------------|--|------------|--|---|--|--------------|--|
| Project Name EMI Soil + Vegetation | | Project Number 32241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager Marc Soellner | | Report CC sheri-o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | FAX # (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5297 | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature Liz Best | | Matrix S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING DATE | | TIME | | MATRIX | | Total Number of Containers | | Total Metals moly | | Inorganic Suite (see notes) | | VOCs | | BTX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| CVR2TRI-3-TOIN-SOL | | | | 04/30/10 | | 1440 | | S | | 1 | | X | | | | | | | | | | | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | | | |
| CVR2TRI-3-TOIN-TLG | | | | 04/30/10 | | 1435 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-3-TOIN-SOL | | | | 05/01/10 | | 1710 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-1-TOIN-SOL | | | | 04/29/10 | | 0930 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-1-TOIN-TLG | | | | 04/29/10 | | 0925 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-1-TOIN-SOL | | | | 04/30/10 | | 1650 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-TOIN-SOL | | | | 04/30/10 | | 0955 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-TOIN-TLG | | | | 04/29/10 | | 0950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | | | TURNAROUND REQUIREMENTS RUSH (surcharge apply) 24 hr 48 hr 5 day | | | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No per work order | | | | INVOICE INFORMATION PO# BILL TO: Sheri O'connor SUBMISSION #: | | | | | | | | | | | | | | | | | | | | | |
| URS Contact: sheri-o'connor@urscorp.com | | | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | | | CUSTODY SEALS: N | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/Cooler Temp: 2.0 | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | |
| Signature Liz Best | | | | Signature Viv Pham | | | | Signature TA Lab | | | | Signature per work order | | | | Signature Sheri O'connor | | | | | | | | | | | | | | | | | | | | | |
| Printed Name Liz Best | | | | Printed Name Viv Pham | | | | Printed Name TA Lab | | | | Printed Name per work order | | | | Printed Name Sheri O'connor | | | | | | | | | | | | | | | | | | | | | |
| Firm URS | | | | Firm TA Lab | | | | Firm URS | | | | Firm per work order | | | | Firm Sheri O'connor | | | | | | | | | | | | | | | | | | | | | |
| Date/Time 05/03/10 1500 | | | | Date/Time 05/04/10 1015 | | | | Date/Time 05/04/10 0950 | | | | Date/Time per work order | | | | Date/Time Sheri O'connor | | | | | | | | | | | | | | | | | | | | | |

COPY - ORIGINAL FILE
SDG # 137166 of 137164

Pink - sample management

White and Yellow to lab

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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PAGE 3 OF 5

Work Order #

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|--|--|--|--|---|--|--|--|-----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--|---------------------|--|
| Project Name CMI Soil + Vegetation | | Project Number 22241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager Marc Soellner | | Report CC shevi-o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | FAX # (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5297 | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature <i>Liz Best</i> | | Matrix S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID CVR2TR2-2-T02N-SOL | | DATE 04/30/10 | | TIME 1630 | | MATRIX S | | Total Number of Containers 0 | | Total Metals moly | | Inorganic Suite (see notes) | | VOCs | | BTX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | |
| FOR LAB USE ONLY | | DATE 04/30/10 | | TIME 1630 | | MATRIX S | | Total Number of Containers 1 | | Total Metals moly | | Inorganic Suite (see notes) | | VOCs | | BTX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | |
| CVR2TR2-2-T02N-SOL | | 04/30/10 | | 1630 | | S | | 1 | | moly | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T03N-SOL | | 04/30/10 | | 1600 | | S | | 1 | | moly | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T03D-SOL | | 04/30/10 | | 1600 | | S | | 1 | | moly | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-3-T01N-SOL | | 04/29/10 | | 1025 | | S | | 1 | | moly | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-3-T01N-TLG | | 04/29/10 | | 1020 | | S | | 1 | | moly | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-3-T02N-SOL | | 04/30/10 | | 1450 | | S | | 1 | | moly | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-3-T01N-SOL | | 04/28/10 | | 1405 | | S | | 1 | | moly | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | TURNAROUND REQUIREMENTS RUSH (surcharge apply) 24 hr 48 hr 5 day | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No per work order | | INVOICE INFORMATION PO# BILL TO: Shevi O'Connor SUBMISSION #: | | | | | | | | | | | | | | | | | | | | | | | |
| URS Contact: shevi-o'connor@urscorp.com | | See SOW <input checked="" type="checkbox"/> | | See QAPP <input type="checkbox"/> | | CUSTODY SEALS <input checked="" type="checkbox"/> N | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.0 | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | | | |
| Signature Liz Best | | Signature Vu Pham | | Signature TA Lab | | Signature Vu Pham | | Signature TA Lab | | Signature Vu Pham | | Signature TA Lab | | Signature Vu Pham | | Signature TA Lab | | Signature Vu Pham | | Signature TA Lab | | Signature Vu Pham | | Signature TA Lab | | Signature Vu Pham | | Signature TA Lab | | Signature Vu Pham | | Signature TA Lab | |
| Printed Name Liz Best | | Printed Name Vu Pham | | Printed Name TA Lab | | Printed Name Vu Pham | | Printed Name TA Lab | | Printed Name Vu Pham | | Printed Name TA Lab | | Printed Name Vu Pham | | Printed Name TA Lab | | Printed Name Vu Pham | | Printed Name TA Lab | | Printed Name Vu Pham | | Printed Name TA Lab | | Printed Name Vu Pham | | Printed Name TA Lab | | Printed Name Vu Pham | | | |
| Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | | |
| Date/Time 05/03/10 1500 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | | |

Cooler _____ of _____

Pink - sample management

White and Yellow to lab

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

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PAGE 4 OF 5

| Project Name | | Project Number | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------------------|--|---|------|--------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| CMI Soil + Vegetation | | 22241609.02000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager | | Report CC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marc Soellner | | sheri-o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address | | 8181 E Tufts Ave | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Denver, CO 80237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # | | FAX # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (303) 332-5297 | | (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature | | Sampler's Printed Name | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liz Best | | Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING | | MATRIX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2 TR3-1-T01N-TLG | | | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2 TR3-1-T02N-SOL | | | | 04/28/10 | 1400 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2 TR3-2-T01N-SOL | | | | 04/28/10 | 1630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2 TR3-2-T01N-TLG | | | | 04/28/10 | 1445 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2 TR3-2-T02N-SOL | | | | 04/28/10 | 1440 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2 TR3-2-T04N-SOL | | | | 04/28/10 | 1700 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2 TR3-3-T01N-SOL | | | | 04/28/10 | 1515 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2 TR3-3-T01N-TLG | | | | 04/28/10 | 1510 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS | | | | | | | | | | | | | | TURNAROUND REQUIREMENTS | | | | | | | | | | | | REPORT REQUIREMENTS | | | | | | | | | | | | INVOICE INFORMATION | | | | | | | | | | | |
| Inorganic suite includes: | | | | | | | | | | | | | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | | | | | | | | | | | I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No per work order | | | | | | | | | | | | PO# BILL TO: Sheri O'Connor SUBMISSION #: | | | | | | | | | | | |
| URS Contact: sheri-o'connor@urscorp.com | | | | | | | | | | | | | | X STANDARD per work order REQUESTED FAX DATE REQUESTED REPORT DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| See SOW <input checked="" type="checkbox"/> | | | | | | | | | | | | | | CUSTODY SEALS Y N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| See QAPP <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.0 | | | | | | | | | | | | | | RECEIVED BY | | | | | | | | | | | | RELINQUISHED BY | | | | | | | | | | | | RECEIVED BY | | | | | | | | | | | |
| Signature | | | | | | | | | | | | | | Signature | | | | | | | | | | | | Signature | | | | | | | | | | | | Signature | | | | | | | | | | | |
| Printed Name | | | | | | | | | | | | | | Printed Name | | | | | | | | | | | | Printed Name | | | | | | | | | | | | Printed Name | | | | | | | | | | | |
| Firm | | | | | | | | | | | | | | Firm | | | | | | | | | | | | Firm | | | | | | | | | | | | Firm | | | | | | | | | | | |
| Date/Time | | | | | | | | | | | | | | Date/Time | | | | | | | | | | | | Date/Time | | | | | | | | | | | | Date/Time | | | | | | | | | | | |
| 05/03/10 1500 | | | | | | | | | | | | | | 05/08/10 - 1015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| PRESERVATIVE | | LAB | | REMARKS | |
|-----------------------------------|--|-----------|--|---------|--|
| Preservative Key | | CONTAINER | | | |
| 0. NONE | | | | | |
| 1. HCl | | | | | |
| 2. HNO ₃ | | | | | |
| 3. H ₂ SO ₄ | | | | | |
| 4. NaOH | | | | | |
| 5. Zn Acetate | | | | | |
| 6. MeOH | | | | | |
| 7. NaHSO ₄ | | | | | |
| 8. Other 4°C | | | | | |
| 9. Other | | | | | |

W:\General\Chemistry\COOC Forms\URS General.doc 11/2/06 11:52 AM

White and Yellow to lab

Pink - sample management

Cooler _____ of _____



Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-1-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828828

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 92.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 92.4 | |

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-1-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828829

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 94.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 94.8 | |

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-1-T03N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828830

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 94.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 94.7 | |

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY
Duplicate Sample Report Summary

Client Sample No.
CVR2TR1-1-T03N-SOLRE

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828830DP

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | Sample Result Conc. | Sample Result Qual. | Duplicate Sample Result Conc. | Duplicate Sample Result Qual. | RPD ¹ |
|--------|-----------------|---------------------|------------------|-------|---------------------|---------------------|-------------------------------|-------------------------------|------------------|
| IN623 | Solids, Percent | 05/04/10 | | % | 94.7 | | 95.3 | | 0.6 |

¹ - Control Limit for RPD is +/- 20%, unless otherwise specified.

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-2-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828831

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 94.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 94.5 | |

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-2-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828832

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 92.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 92.3 | |

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR2TR1-2-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828833

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 96.5 | |

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-2-T03N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828834

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 96.4 | |

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-1-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828835

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.5 | |

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-2-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828836

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.2 | |

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-2-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828837

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 93.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 93.2 | |

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-2-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828838

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 96.0 | |

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-2-T02D-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828839

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.1 | |

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR2TR2-2-T03N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828840

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.9 | |

Printed on: 05/05/10 01:30 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-2-T03D-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828841

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 96.3 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-3-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828842

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.1 | |

Printed on: 05/05/10 01:31 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-3-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828843

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.9 | |

Printed on: 05/05/10 01:31 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-3-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828844

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 93.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 93.9 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-1-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828845

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 97.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 97.6 | |

Printed on: 05/05/10 01:31 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-1-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828846

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 95.2 | |

Printed on: 05/05/10 01:31 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-1-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137166

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828847

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/04/10 | | % | 1 | 0.10 | 96.6 | |

Printed on: 05/05/10 01:31 PM



Supportive Documentation – Wet Chemistry



Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

| | | | | | | |
|-------------------------------------|---------|--------------------|---------------------------------------|---------------------------------------|-----------------------|-------------------------|
| Analysis Start Date: 5/4/2010 | | Oven ID: 2 | | Analysis End Date: 5/5/2010 | | |
| Analysis Start Time: 20:20 | | Time In: 21:30 | | Analysis End Time: 10:45 | | |
| Start Analyst: MNT | | Time Out: 10:20 | | End Analyst: MNT | | |
| Start Analyst Signature: <i>MNT</i> | | | | End Analyst Signature: <i>MNT</i> | | |
| | | | | | | |
| LAB ID | Dish ID | Dish Weight (g) | Weight of Dish + Wet Sample (g) | Weight of Dish + Dry Sample (g) | Percent Solids (%) | Percent Moisture (%) |
| 828797 | 31 | 1.01 | 8.92 | 8.60 | 96.0 | 4 |
| 828798 | 32 | 1.00 | 10.34 | 9.92 | 95.5 | 5 |
| 828799 | 33 | 0.98 | 8.40 | 8.12 | 96.2 | 4 |
| 828800 | 34 | 0.98 | 9.84 | 9.36 | 94.6 | 5 |
| 828801 | 35 | 1.00 | 8.26 | 7.90 | 95.0 | 5 |
| 828802 | 36 | 0.99 | 11.88 | 11.47 | 96.2 | 4 |
| 828803 | 37 | 1.01 | 8.85 | 8.48 | 95.3 | 5 |
| 828804 | 38 | 0.99 | 10.68 | 10.22 | 95.3 | 5 |
| 828805 | 39 | 1.00 | 9.14 | 8.86 | 96.6 | 3 |
| 828806 | 40 | 0.98 | 9.85 | 9.43 | 95.3 | 5 |
| 828807 | 41 | 0.98 | 7.90 | 7.65 | 96.4 | 4 |
| 828808 | 42 | 0.96 | 9.05 | 8.80 | 96.9 | 3 |
| 828809 | 43 | 0.98 | 7.96 | 7.50 | 93.4 | 7 |
| 828828 | 44 | 1.02 | 10.64 | 9.91 | 92.4 | 8 |
| 828829 | 45 | 1.00 | 9.58 | 9.13 | 94.8 | 5 |
| 828830 | 46 | 0.98 | 9.08 | 8.65 | 94.7 | 5 |
| 828830DP | 47 | 0.98 | 9.45 | 9.05 | 95.3 | 5 |
| 828831 | 48 | 0.96 | 8.65 | 8.23 | 94.5 | 6 |
| 828832 | 49 | 0.98 | 9.95 | 9.26 | 92.3 | 8 |
| 828833 | 50 | 0.99 | 8.60 | 8.33 | 96.5 | 4 |
| 828834 | 51 | 0.99 | 9.28 | 8.98 | 96.4 | 4 |
| 828835 | 52 | 0.99 | 9.26 | 8.89 | 95.5 | 5 |
| 828836 | 53 | 0.98 | 11.33 | 10.83 | 95.2 | 5 |
| 828837 | 54 | 0.98 | 8.02 | 7.54 | 93.2 | 7 |
| 828838 | 55 | 1.00 | 7.78 | 7.51 | 96.0 | 4 |
| 828839 | 56 | 0.98 | 7.97 | 7.63 | 95.1 | 5 |
| 828840 | 57 | 0.97 | 10.78 | 10.38 | 95.9 | 4 |
| 828841 | 58 | 0.98 | 10.14 | 9.80 | 96.3 | 4 |
| 828842 | 59 | 0.98 | 10.62 | 10.15 | 95.1 | 5 |
| 828843 | 60 | 0.97 | 9.98 | 9.61 | 95.9 | 4 |

Calculation: Percent Wet Weight = $\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)

•

$$\text{Weight of Wet Sample} = (\text{Weight of Dish + Wet Sample}) (\text{g}) - \text{Dish Weight (g)}$$



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166

SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|---------------------|----------------|
| CVR2TR1-1-T01N-SOL | 828828 |
| CVR2TR1-1-T01N-TLG | 828829 |
| CVR2TR1-1-T03N-SOL | 828830 |
| CVR2TR1-1-T03N-SOLD | 828830D |
| CVR2TR1-1-T03N-SOLS | 828830S |
| CVR2TR1-2-T01N-SOL | 828831 |
| CVR2TR1-2-T01N-TLG | 828832 |
| CVR2TR1-2-T02N-SOL | 828833 |
| CVR2TR1-2-T03N-SOL | 828834 |
| CVR2TR2-1-T02N-SOL | 828835 |
| CVR2TR2-2-T01N-SOL | 828836 |
| CVR2TR2-2-T01N-TLG | 828837 |
| CVR2TR2-2-T02D-SOL | 828839 |
| CVR2TR2-2-T02N-SOL | 828838 |
| CVR2TR2-2-T03D-SOL | 828841 |
| CVR2TR2-2-T03N-SOL | 828840 |
| CVR2TR2-3-T01N-SOL | 828842 |
| CVR2TR2-3-T01N-TLG | 828843 |
| CVR2TR2-3-T02N-SOL | 828844 |
| CVR2TR3-1-T01N-SOL | 828845 |
| CVR2TR3-1-T01N-TLG | 828846 |
| CVR2TR3-1-T02N-SOL | 828847 |

Were ICP interelement corrections applied? Yes/No YESWere ICP background corrections applied? Yes/No YESIf yes-were raw data generated before
application of background corrections? Yes/No NOComments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

COVER PAGE - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-1-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828828
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 92.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 19.9 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-1-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828829
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 204 | N | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-1-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828830
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 64.7 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-2-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828831
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 26.2 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-2-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828832
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 92.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 200 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-2-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828833
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 82.5 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-2-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828834
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 46.1 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-1-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828835
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 95.4 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-2-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828836
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 6.3 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-2-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828837
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 93.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 432 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-2-T02D-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828839
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 36.2 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-2-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828838
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 30.3 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-2-T03D-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828841
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 37.8 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-2-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828840
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 28.9 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-3-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828842
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 17.7 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-3-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828843
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 271 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-3-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828844
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 93.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 81.9 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-1-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828845
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 97.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 37.7 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-1-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828846
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 125 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-1-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166
Matrix (soil/water): SOIL Lab Sample ID: 828847
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 58.8 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN



QC Summary – Metals

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137166Initial Calibration Source: Inorganic Ventures/FisherContinuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 517.60 | 103.5 | 200.0 | 198.60 | 99.3 | 198.50 | 99.2 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137166
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 200.30 | 100.2 | 200.60 | 100.3 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | | |
|------------|------|-------|----|-----------------------|------------------|---------------|----------------|-------------|--|
| | True | Found | %R | Initial True | Initial Found | Initial %R | Final Found | Final %R | |
| Molybdenum | | | | 10.0 | 12.78 | 127.8 | | | |

Control Limits: no limits have been established by EPA at this time

Form IIB-IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | |
|------------|--------------------------------------|--|-----|---|-----|---|-------|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| | | C | C | C | C | C | C | C | M |
| Molybdenum | 1.6 | B | 0.5 | U | 0.9 | B | 1.0 | B | |
| | | | | | | | 0.047 | U | P |

Form III - IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137166

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | |
|------------|--------------------------------------|--|---|---|--|--|--|----------------------|--|
| | | 1 | 2 | 3 | | | | | |
| | | | | | | | | | |
| Molybdenum | | 1.2 | | | | | | | |

Form III - IN

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166ICP ID Number: TJA ICAP 7 ICS Source: Inorganic VenturesConcentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | -1 | 984.1 | 99.8 | | | |

Form IV - IN

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR2TR1-1-T03N-SOLS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 94.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|---------------------|------|---|---|
| Molybdenum | 80 - 120 | 91.4071 | 64.7474 | 47.14 | 56.6 | N | P |

Comments:

Form V (PART 1) - IN

USEPA-CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR2TR1-1-T03N-SOLA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|---------------------|------|---|---|
| Molybdenum | | 1140.00 | | 699.00 | | 500.0 | 88.2 | | P |

Comments: _____

Form V (PART 2) - IN

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR2TR1-1-T03N-SOLD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 94.7 % Solids for Duplicate: 95.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|------------|------------------|------------|---|---------------|---|------|---|---|
| Molybdenum | | 64.7474 | | 53.2406 | | 19.5 | | P |

Form VI - IN

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | |
|------------|----------------|-------|----|---------------|-------|---|-------------|------|
| | True | Found | %R | True | Found | C | Limits | %R |
| Molybdenum | | | | 50.0 | 49.4 | | 40.0 60.0 | 98.8 |

Form VII - IN

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

CVR2TR1-1-T03N-SOLL

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) | | Serial Dilution Result (S) | | % Differ- ence | Q | M |
|------------|------------------------------|--|-------------------------------|--|-------------------|---|---|
| | C | | C | | | | |
| Molybdenum | 699.00 | | 735.00 | | 5.2 | | P |

Form IX - IN

USEPA-CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|-----------|---------------------|-------------|----------------|---------------|---|
| Molybdenu | 202.030 | | 10 | 0.47 | P |

Comments: _____

Form X - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137166ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 1) - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137166ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137166

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137166

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments: _____

Form XII - IN

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137166Method: P

| EPA Sample No. | Preparation Date | Initial Weight (g) | Volume (mL) |
|---------------------|---------------------|-----------------------|----------------|
| CVR2TR1-1-T01N-SOL | 5/27/2010 | 1.19 | 100.0 |
| CVR2TR1-1-T01N-TLG | 5/27/2010 | 1.20 | 100.0 |
| CVR2TR1-1-T03N-SOL | 5/27/2010 | 1.14 | 100.0 |
| CVR2TR1-1-T03N-SOLD | 5/27/2010 | 1.17 | 100.0 |
| CVR2TR1-1-T03N-SOLS | 5/27/2010 | 1.12 | 100.0 |
| CVR2TR1-2-T01N-SOL | 5/27/2010 | 1.22 | 100.0 |
| CVR2TR1-2-T01N-TLG | 5/27/2010 | 1.19 | 100.0 |
| CVR2TR1-2-T02N-SOL | 5/27/2010 | 1.15 | 100.0 |
| CVR2TR1-2-T03N-SOL | 5/27/2010 | 1.23 | 100.0 |
| CVR2TR2-1-T02N-SOL | 5/27/2010 | 1.26 | 100.0 |
| CVR2TR2-2-T01N-SOL | 5/27/2010 | 1.40 | 100.0 |
| CVR2TR2-2-T01N-TLG | 5/27/2010 | 1.18 | 100.0 |
| CVR2TR2-2-T02D-SOL | 5/27/2010 | 1.21 | 100.0 |
| CVR2TR2-2-T02N-SOL | 5/27/2010 | 1.23 | 100.0 |
| CVR2TR2-2-T03D-SOL | 5/27/2010 | 1.14 | 100.0 |
| CVR2TR2-2-T03N-SOL | 5/27/2010 | 1.09 | 100.0 |
| CVR2TR2-3-T01N-SOL | 5/27/2010 | 1.11 | 100.0 |
| CVR2TR2-3-T01N-TLG | 5/27/2010 | 1.10 | 100.0 |
| CVR2TR2-3-T02N-SOL | 5/27/2010 | 1.23 | 100.0 |
| CVR2TR3-1-T01N-SOL | 5/27/2010 | 1.16 | 100.0 |
| CVR2TR3-1-T01N-TLG | 5/27/2010 | 1.22 | 100.0 |
| CVR2TR3-1-T02N-SOL | 5/27/2010 | 1.11 | 100.0 |
| LCSS052710C | 5/27/2010 | 1.00 | 100.0 |
| PBS052710C | 5/27/2010 | 1.00 | 100.0 |

Form XIII - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137166
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/28/2010 End Date: 5/28/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| CalibStd-Blk | 1.00 | 00:13 | | | | | X | | | | | | | | | | | | |
| STD7 | 1.00 | 00:16 | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 00:20 | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 00:24 | | | | | X | | | | | | | | | | | | |
| ICV | 1.00 | 00:28 | | | | | X | | | | | | | | | | | | |
| ICB | 1.00 | 00:32 | | | | | X | | | | | | | | | | | | |
| ICSA | 1.00 | 00:36 | | | | | X | | | | | | | | | | | | |
| ICSAB | 1.00 | 00:40 | | | | | X | | | | | | | | | | | | |
| CRI | 1.00 | 00:44 | | | | | X | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 00:48 | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 00:51 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 00:55 | | | | | X | | | | | | | | | | | | |
| PBS052710C | 1.00 | 00:59 | | | | | X | | | | | | | | | | | | |
| LCSS052710C | 1.00 | 01:03 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T01N-SOL | 1.00 | 01:07 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T01N-TLG | 1.00 | 01:11 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T03N-SOL | 1.00 | 01:15 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T03N-SOL | 5.00 | 01:19 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T03N-SOL | 1.00 | 01:23 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T03N-SOL | 1.00 | 01:27 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T03N-SOL | 1.00 | 01:31 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-2-T01N-SOL | 1.00 | 01:35 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 01:40 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 01:44 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-2-T01N-TLG | 1.00 | 01:48 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-2-T02N-SOL | 1.00 | 01:52 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-2-T03N-SOL | 1.00 | 01:56 | | | | | X | | | | | | | | | | | | |
| CVR2TR2-1-T02N-SOL | 1.00 | 02:00 | | | | | X | | | | | | | | | | | | |
| CVR2TR2-2-T01N-SOL | 1.00 | 02:04 | | | | | X | | | | | | | | | | | | |
| CVR2TR2-2-T01N-TLG | 1.00 | 02:08 | | | | | X | | | | | | | | | | | | |
| CVR2TR2-2-T02N-SOL | 1.00 | 02:12 | | | | | X | | | | | | | | | | | | |
| CVR2TR2-2-T02D-SOL | 1.00 | 02:16 | | | | | X | | | | | | | | | | | | |
| CVR2TR2-2-T03N-SOL | 1.00 | 02:20 | | | | | X | | | | | | | | | | | | |
| CVR2TR2-2-T03D-SOL | 1.00 | 02:24 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 02:28 | | | | | X | | | | | | | | | | | | |

Form XIV - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137166
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/28/2010 End Date: 5/28/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|--------|--------|--------|--------|---|--------|--------|---|----|--------|--------|---|---|--------|--|--|--|--|--|--|--|--|--|
| | | | | B U | A | L I | M O | O S | P D | P | P T | S I | S | SN | S R | T I | U | W | I N | | | | | | | | | |
| CCB | 1.00 | 02:32 | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-3-T01N-SOL | 1.00 | 02:36 | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-3-T01N-TLG | 1.00 | 02:40 | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-3-T02N-SOL | 1.00 | 02:44 | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-1-T01N-SOL | 1.00 | 02:48 | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-1-T01N-TLG | 1.00 | 02:52 | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-1-T02N-SOL | 1.00 | 02:56 | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 03:00 | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 03:04 | | | | | X | | | | | | | | | | | | | | | | | | | | | |

Form XIV - IN



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: JSW

Date: 5/28/2010

Reviewed by: JES

Date: 5/28/10

QC Review by: JLO

Date: 5-28-10

TJA ICAP 7

ICP METALS 6010 B*

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis | | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----------------|-----------|----------|----|--------|---------------|------------|------------------|
| | Date | Time | | | | | |
| 1. CalibStd-Blk | 5/28/2010 | 00:13:03 | 1 | WATER | 052710-05.txt | | Mo |
| 2. STD7 | 5/28/2010 | 00:16:57 | 1 | WATER | 052710-05.txt | | |
| 3. STD8 | 5/28/2010 | 00:20:46 | 1 | WATER | 052710-05.txt | | |
| 4. STD4 | 5/28/2010 | 00:24:42 | 1 | WATER | 052710-05.txt | | |
| 5. ICV1 | 5/28/2010 | 00:28:41 | 1 | WATER | 052710-05.txt | | |
| 6. ICB1 | 5/28/2010 | 00:32:35 | 1 | WATER | 052710-05.txt | | |
| 7. ICSA1 | 5/28/2010 | 00:36:31 | 1 | WATER | 052710-05.txt | | |
| 8. ICSAB1 | 5/28/2010 | 00:40:20 | 1 | WATER | 052710-05.txt | | |
| 9. CRI1 | 5/28/2010 | 00:44:08 | 1 | WATER | 052710-05.txt | | |
| 10. LRV | 5/28/2010 | 00:48:02 | 1 | WATER | 052710-05.txt | | |
| 11. CCV1 | 5/28/2010 | 00:51:55 | 1 | WATER | 052710-05.txt | | |
| 12. CCB1 | 5/28/2010 | 00:55:46 | 1 | WATER | 052710-05.txt | | |
| 13. PBS052710C | 5/28/2010 | 00:59:41 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 14. LCSS052710C | 5/28/2010 | 01:03:37 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 15. 828828 | 5/28/2010 | 01:07:32 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 16. 828829 | 5/28/2010 | 01:11:34 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 17. 828830 | 5/28/2010 | 01:15:35 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 18. 828830L | 5/28/2010 | 01:19:37 | 5 | WATER | 052710-05.txt | PBICPS0527 | |
| 19. 828830A | 5/28/2010 | 01:23:30 | 1 | WATER | 052710-05.txt | PBICPS0527 | |
| 20. 828830MS | 5/28/2010 | 01:27:30 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 21. 828830DP | 5/28/2010 | 01:31:31 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 22. 828831 | 5/28/2010 | 01:35:33 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 23. CCV2 | 5/28/2010 | 01:40:16 | 1 | WATER | 052710-05.txt | | |
| 24. CCB2 | 5/28/2010 | 01:44:06 | 1 | WATER | 052710-05.txt | | |
| 25. 828832 | 5/28/2010 | 01:48:03 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 26. 828833 | 5/28/2010 | 01:52:12 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 27. 828834 | 5/28/2010 | 01:56:15 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 28. 828835 | 5/28/2010 | 02:00:16 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 29. 828836 | 5/28/2010 | 02:04:18 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 30. 828837 | 5/28/2010 | 02:08:20 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 31. 828838 | 5/28/2010 | 02:12:23 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 32. 828839 | 5/28/2010 | 02:16:24 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 33. 828840 | 5/28/2010 | 02:20:26 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 34. 828841 | 5/28/2010 | 02:24:28 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 35. CCV3 | 5/28/2010 | 02:28:30 | 1 | WATER | 052710-05.txt | | |
| 36. CCB3 | 5/28/2010 | 02:32:21 | 1 | WATER | 052710-05.txt | | |
| 37. 828842 | 5/28/2010 | 02:36:15 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 38. 828843 | 5/28/2010 | 02:40:17 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 39. 828844 | 5/28/2010 | 02:44:19 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 40. 828845 | 5/28/2010 | 02:48:21 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 41. 828846 | 5/28/2010 | 02:52:18 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 42. 828847 | 5/28/2010 | 02:56:14 | 1 | SOIL | 052710-05.txt | PBICPS0527 | |
| 43. CCV4 | 5/28/2010 | 03:00:11 | 1 | WATER | 052710-05.txt | | |
| 44. CCB4 | 5/28/2010 | 03:04:02 | 1 | WATER | 052710-05.txt | | |

* SWP 5-28-10

Analytical Review Report

Data File: 052710-05.txt

Date Printed: 5/28/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/28/2010

Analysis End Date: 5/28/2010

Start Time: 00:13:0

End Time: 03:04:0

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|---------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 158.50 | 0.0002 | | | | |
| STD4 | 1 | | 0.834 | 0.000 | 0.000 | 0.45 | 0.83 | | | | |
| ICV1 | 1 | PASS | 517.600 | 517.200 | 518.000 | 0.10 | 517.60 | 103.5 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 1.553 | 1.633 | 1.473 | 7.28 | 1.6 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | -0.596 | -0.557 | -0.635 | 9.17 | -1 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 984.100 | 983.600 | 984.700 | 0.08 | 984.1 | 99.8 | 986 | 80 | 120 |
| CRI1 | 1 | PASS | 12.780 | 13.230 | 12.330 | 4.97 | 12.78 | 127.8 | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 198.600 | 198.200 | 199.000 | 0.31 | 198.60 | 99.3 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.093 | 0.442 | -0.255 | 529.40 | 0.1 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 198.500 | 198.800 | 198.200 | 0.20 | 198.50 | 99.2 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.890 | 0.907 | 0.873 | 2.68 | 0.9 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 200.300 | 199.700 | 200.900 | 0.42 | 200.30 | 100.2 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.983 | 0.799 | 1.167 | 26.44 | 1.0 | | | | +/-10.00 |
| CCV4 | 1 | PASS | 200.600 | 200.700 | 200.500 | 0.08 | 200.60 | 100.3 | 200.0 | 90 | 110 |
| CCB4 | 1 | PASS | 1.179 | 1.051 | 1.307 | 15.36 | 1.2 | | | | +/-10.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| LRV | 1 | PASS | -1.538 | -1.421 | -1.655 | 10.75 | -1.5 | | | | |
| PBS052710C | 1 | PASS | -0.176 | -0.342 | -0.011 | 132.60 | -0.018 | | | | +/-10.00 |
| LCSS052710C | 1 | PASS | 493.600 | 492.200 | 494.900 | 0.38 | 49.4 | 98.8 | 50.0 | 40.0 | 60.0 |
| 828828 | 1 | PASS | 218.400 | 218.000 | 218.800 | 0.24 | 19.9 | | | | |
| 828829 | 1 | PASS | 2320.000 | 2315.000 | 2326.000 | 0.33 | 204 | | | | |
| 828830 | 1 | PASS | 699.000 | 698.700 | 699.200 | 0.05 | 64.7 | | | | |
| 828830L | 5 | PASS | 735.000 | 734.300 | 735.700 | 0.14 | 735.00 | | | | |
| 828830A | 1 | PASS | 1140.000 | 1134.000 | 1145.000 | 0.65 | 1140.00 | 88.2 | 500.0 | 80 | 120 |
| 828830MS | 1 | FAIL | 969.500 | 968.700 | 970.200 | 0.11 | 91.4071 | 56.6 | 47.14 | 80 | 120 |
| 828830DP | 1 | PASS | 589.900 | 590.100 | 589.600 | 0.06 | 53.2406 | | | | |
| 828831 | 1 | PASS | 302.100 | 301.800 | 302.500 | 0.16 | 26.2 | | | | |
| 828832 | 1 | PASS | 2194.000 | 2187.000 | 2201.000 | 0.46 | 200 | | | | |
| 828833 | 1 | PASS | 915.300 | 915.100 | 915.400 | 0.02 | 82.5 | | | | |
| 828834 | 1 | PASS | 546.300 | 546.000 | 546.600 | 0.08 | 46.1 | | | | |
| 828835 | 1 | PASS | 1148.000 | 1146.000 | 1151.000 | 0.32 | 95.4 | | | | |
| 828836 | 1 | PASS | 83.480 | 84.180 | 82.770 | 1.20 | 6.3 | | | | |
| 828837 | 1 | PASS | 4755.000 | 4754.000 | 4756.000 | 0.04 | 432 | | | | |
| 828838 | 1 | PASS | 357.500 | 358.700 | 356.300 | 0.47 | 30.3 | | | | |
| 828839 | 1 | PASS | 416.400 | 416.500 | 416.300 | 0.03 | 36.2 | | | | |
| 828840 | 1 | PASS | 301.900 | 301.500 | 302.300 | 0.19 | 28.9 | | | | |
| 828841 | 1 | PASS | 414.900 | 414.400 | 415.300 | 0.15 | 37.8 | | | | |
| 828842 | 1 | PASS | 186.800 | 186.100 | 187.500 | 0.52 | 17.7 | | | | |
| 828843 | 1 | PASS | 2860.000 | 2852.000 | 2869.000 | 0.42 | 271 | | | | |
| 828844 | 1 | PASS | 946.000 | 945.400 | 946.700 | 0.10 | 81.9 | | | | |
| 828845 | 1 | PASS | 426.700 | 425.900 | 427.400 | 0.26 | 37.7 | | | | |
| 828846 | 1 | PASS | 1451.000 | 1456.000 | 1447.000 | 0.46 | 125 | | | | |
| 828847 | 1 | PASS | 630.700 | 630.400 | 631.000 | 0.07 | 58.8 | | | | |

Sample Name: CalibStd-Blk Acquired: 5/28/2010 0:13:03 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.092 | -0.009 | .0005 | .0010 | -0.001 |
| Stddev | .0004 | .0004 | .0004 | .0003 | .0000 |
| %RSD | 4.726 | 39.96 | 81.40 | 30.07 | 47.67 |
| #1 | -0.089 | -0.007 | .0002 | .0012 | -0.001 |
| #2 | -0.095 | -0.012 | .0008 | .0008 | -0.001 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.022 | -0.007 | -0.039 | -0.040 | -0.006 |
| Stddev | .0005 | .0005 | .0002 | .0002 | .0003 |
| %RSD | 22.25 | 78.37 | 5.925 | 3.916 | 44.27 |
| #1 | -0.025 | -0.011 | -0.037 | -0.041 | -0.008 |
| #2 | -0.018 | -0.003 | -0.040 | -0.039 | -0.004 |

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0551 | -0.088 | -0.0318 | -0.0003 | .0009 |
| Stddev | .0064 | .0019 | .0028 | .0002 | .0004 |
| %RSD | 11.71 | 21.45 | 8.823 | 80.85 | 47.46 |
| #1 | .0596 | -0.075 | -0.0298 | -0.0004 | .0006 |
| #2 | .0505 | -0.102 | -0.0338 | -0.0001 | .0012 |

Sample Name: CalibStd-Blk Acquired: 5/28/2010 0:13:03 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0002 | -0.0410 | .0040 | -0.0003 | -0.0099 |
| Stddev | .0004 | .0051 | .0001 | .0001 | .0104 |
| %RSD | 158.5 | 12.36 | 1.810 | 34.86 | 105.1 |
| #1 | .0005 | -0.0446 | .0041 | -0.0004 | -0.0172 |
| #2 | .0000 | -0.0374 | .0040 | -0.0002 | -0.0025 |

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0003 | .0019 | .0802 | .0002 | .0153 |
| Stddev | .0004 | .0000 | .0008 | .0001 | .0034 |
| %RSD | 126.1 | 2.018 | 1.041 | 31.47 | 22.35 |
| #1 | .0000 | .0019 | .0808 | .0003 | .0177 |
| #2 | .0005 | .0019 | .0796 | .0002 | .0128 |

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0149 | -0.0016 | -0.0009 | .0020 |
| Stddev | .0016 | .0027 | .0024 | .0000 |
| %RSD | 10.78 | 171.3 | 250.8 | 1.799 |
| #1 | -0.0160 | -0.0035 | -0.0026 | .0020 |
| #2 | -0.0137 | .0003 | .0007 | .0020 |

Analyst: JSW

Sample Name: CalibStd-Blk Acquired: 5/28/2010 0:13:03 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 439.63 | 3900.4 | 4034.8 | 4369.2 |
| Stddev | .70 | 28.2 | 10.1 | 25.8 |
| %RSD | .16035 | .72270 | .25139 | .59112 |
| #1 | 440.12 | 3920.3 | 4042.0 | 4387.4 |
| #2 | 439.13 | 3880.5 | 4027.6 | 4350.9 |

Sample Name: STD7 Acquired: 5/28/2010 0:16:57 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 { 85} | 318.128 {106} | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.873 | .8118 | 9.151 | 1.879 | .9329 |
| Stddev | .004 | .0032 | .019 | .008 | .0015 |
| %RSD | .1332 | .3923 | .2046 | .4480 | .1612 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.875 | .8096 | 9.164 | 1.885 | .9339 |
| #2 | 2.870 | .8141 | 9.138 | 1.873 | .9318 |

| | |
|--------|---------------|
| Elem | Na-LL |
| Line | 589.592 { 57} |
| IS Ref | (Y_HWRD) |
| Units | Cts/S |
| Avg | 6.385 |
| Stddev | .001 |
| %RSD | .0089 |

| | |
|----|-------|
| #1 | 6.385 |
| #2 | 6.386 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_HWRD |
| Line | 224.306 {150} | 371.030 { 91} |
| Units | Cts/S | Cts/S |
| Avg | 3815.7 | 4391.9 |
| Stddev | 24.0 | 19.0 |
| %RSD | .62923 | .43335 |

| | | |
|----|--------|--------|
| #1 | 3798.7 | 4378.5 |
| #2 | 3832.7 | 4405.4 |

Sample Name: STD8 Acquired: 5/28/2010 0:20:46 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|-----------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 (479) | 220.353 (453) | 206.833 (463) | 196.090 (472) | 189.989 (477)2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0605 | 3.099 | .0756 | .0445 | .1896 |
| Stddev | .0001 | .011 | .0000 | .0003 | .0004 |
| %RSD | .1852 | .3558 | .0080 | .7431 | .1989 |
| #1 | .0604 | 3.106 | .0756 | .0443 | .1893 |
| #2 | .0606 | 3.091 | .0756 | .0447 | .1898 |
| Elem | Ti-LL | | | | |
| Line | 190.856 (477) | | | | |
| IS Ref | (In2306) | | | | |
| Units | Cts/S | | | | |
| Avg | .9298 | | | | |
| Stddev | .0008 | | | | |
| %RSD | .0877 | | | | |
| #1 | .9292 | | | | |
| #2 | .9304 | | | | |
| Int. Std. | In2306 | Y_-LWAX | | | |
| Line | 230.606 (446) | 224.306 (450) | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 449.82 | 4143.9 | | | |
| Stddev | 1.54 | 4.0 | | | |
| %RSD | .34293 | .09663 | | | |
| #1 | 448.73 | 4141.1 | | | |
| #2 | 450.91 | 4146.8 | | | |

Sample Name: STD4 Acquired: 5/28/2010 0:24:42 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|---------------|----------------|----------------|----------------|
| Elem | Ag-LL | B-LL | Be-LL | Be-LL | Cd-HL |
| Line | 328.068 (103)2 | 208.959 (461) | 233.527 (144) | 313.042 (108) | 228.802 (447) |
| IS Ref | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.271 | .3440 | .0888 | 2.527 | .9248 |
| Stddev | .003 | .0021 | .0004 | .014 | .0015 |
| %RSD | .1301 | .6141 | .4902 | .5386 | .1618 |
| | | | | | |
| #1 | 2.273 | .3425 | .0885 | 2.537 | .9237 |
| #2 | 2.269 | .3455 | .0891 | 2.518 | .9258 |
| | | | | | |
| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
| Line | 228.616 (447) | 205.552 (464) | 324.754 (104)2 | 257.610 (131)2 | 202.030 (467) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.012 | 1.533 | 7.081 | 24.60 | .8335 |
| Stddev | .001 | .000 | .033 | .00 | .0038 |
| %RSD | .0772 | .0011 | .4672 | .0186 | .4528 |
| | | | | | |
| #1 | 1.012 | 1.533 | 7.057 | 24.60 | .8309 |
| #2 | 1.013 | 1.533 | 7.104 | 24.60 | .8362 |
| | | | | | |
| Elem | Ni-LL | P-HL | Si-LL | Sr-LL | Ti-LL |
| Line | 231.604 (445) | 178.284 (489) | 288.158 (117) | 407.771 (83) | 334.904 (101)2 |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .5976 | .0797 | 4.592 | 82.38 | 5.313 |
| Stddev | .0008 | .0002 | .004 | 1.00 | .003 |
| %RSD | .1329 | .3050 | .0958 | 1.210 | .0494 |
| | | | | | |
| #1 | .5970 | .0795 | 4.589 | 81.67 | 5.311 |
| #2 | .5981 | .0799 | 4.596 | 83.08 | 5.315 |

Sample Name: STD4 Acquired: 5/28/2010 0:24:42 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | |
|-----------|----------------|---------------|--------------|
| Elem | V-LL | Zn-LL2 | |
| Line | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (Y_LWAX) | |
| Units | Cts/S | Cts/S | |
| Avg | 3.589 | 3.385 | |
| Stddev | .000 | .002 | |
| %RSD | .0117 | .0718 | |
| | | | |
| #1 | 3.589 | 3.383 | |
| #2 | 3.589 | 3.387 | |
| | | | |
| Int. Std. | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 4006.3 | 4157.0 | 4573.7 |
| Stddev | 10.4 | 15.1 | 63.8 |
| %RSD | .25908 | .36435 | 1.3957 |
| | | | |
| #1 | 3999.0 | 4167.7 | 4618.8 |
| #2 | 4013.6 | 4146.3 | 4528.5 |

Sample Name: ICV Acquired: 5/28/2010 0:28:41 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 490.6 | 26230. | 261.0 | 503.1 | 491.4 |
| Stddev | .5 | 40. | .6 | 1.1 | .5 |
| %RSD | .0982 | .1535 | .2208 | .2095 | .0965 |
| #1 | 490.3 | 26260. | 261.5 | 503.8 | 491.7 |
| #2 | 490.9 | 26200. | 260.6 | 502.3 | 491.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 511.0 | 25440. | 486.4 | 483.1 | 488.8 |
| Stddev | .5 | 46. | .3 | 1.0 | .9 |
| %RSD | .0983 | .1799 | .0674 | .2057 | .1929 |
| #1 | 510.6 | 25410. | 486.6 | 483.8 | 489.5 |
| #2 | 511.3 | 25470. | 486.2 | 482.4 | 488.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/28/2010 0:28:41 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 472.1 | 25990. | 26010. | 24920. | 479.9 |
| Stddev | 3.3 | 15. | 56. | 201. | .5 |
| %RSD | .6973 | .0589 | .2161 | .8047 | .1144 |
| #1 | 469.8 | 25980. | 26040. | 25060. | 479.5 |
| #2 | 474.4 | 26000. | 25970. | 24770. | 480.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 517.6 | 25300. | 473.3 | 519.2 | 1017. |
| Stddev | .5 | 11. | .6 | .4 | 8. |
| %RSD | .1024 | .0450 | .1323 | .0827 | .8347 |
| #1 | 517.2 | 25290. | 473.7 | 519.5 | 1023. |
| #2 | 518.0 | 25310. | 472.8 | 518.9 | 1011. |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/28/2010 0:28:41 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 254.0 | 256.5 | 261.5 | 229.7 | 487.9 |
| Stddev | 1.4 | 2.6 | 2.7 | .7 | 2.5 |
| %RSD | .5512 | .9987 | 1.046 | .2930 | .5088 |
| #1 | 253.0 | 254.7 | 263.5 | 229.2 | 489.6 |
| #2 | 255.0 | 258.3 | 259.6 | 230.2 | 486.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 508.3 | 246.5 | 510.3 | 502.9 |
| Stddev | 1.8 | .6 | 1.1 | 1.3 |
| %RSD | .3557 | .2241 | .2225 | .2511 |
| #1 | 507.0 | 246.9 | 509.5 | 503.8 |
| #2 | 509.5 | 246.1 | 511.1 | 502.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/28/2010 0:28:41 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 422.38 | 3953.1 | 4106.7 | 4565.0 |
| Stddev | 1.12 | 9.8 | 4.8 | 2.0 |
| %RSD | .26482 | .24914 | .11612 | .04336 |
| #1 | 421.59 | 3960.0 | 4103.3 | 4563.6 |
| #2 | 423.17 | 3946.1 | 4110.1 | 4566.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/28/2010 0:32:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1753 | -8.942 | 1.637 | 1.492 | -.3452 |
| Stddev | 1.105 | 55.77 | 1.805 | .835 | 1.502 |
| %RSD | 630.5 | 623.7 | 110.3 | 55.93 | 435.2 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | .9568 | -48.38 | .3604 | 2.082 | .7169 |
| #2 | -.6062 | 30.50 | 2.913 | .9020 | -1.407 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0645 | 57.88 | .1972 | .1703 | .1343 |
| Stddev | .1799 | 9.28 | .1462 | .3566 | .2604 |
| %RSD | 278.9 | 16.02 | 74.17 | 209.4 | 193.8 |

| | | | | | |
|----|--------|-------|-------|--------|--------|
| #1 | -.0627 | 64.44 | .0938 | .4225 | .3184 |
| #2 | -.1917 | 51.32 | .3006 | -.0819 | -.0498 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: ICB Acquired: 5/28/2010 0:32:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3174 | -2.890 | 64.52 | 28.33 | .1304 |
| Stddev | .6816 | 4.964 | 70.87 | 11.13 | .0899 |
| %RSD | 214.8 | 171.7 | 109.8 | 39.29 | 68.99 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.1646 | -6.400 | 14.41 | 20.46 | .1940 |
| #2 | .7994 | .6198 | 114.6 | 36.19 | .0668 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (ln2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.553 | 24.34 | .7413 | -.0334 | .3457 |
| Stddev | .113 | 37.00 | .1950 | 1.568 | 2.278 |
| %RSD | 7.275 | 152.0 | 26.31 | 4699. | 658.8 |

| | | | | | |
|----|-------|--------|-------|--------|--------|
| #1 | 1.633 | -1.824 | .8791 | -1.142 | -1.265 |
| #2 | 1.473 | 50.49 | .6034 | 1.075 | 1.956 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: ICB Acquired: 5/28/2010 0:32:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4774 | .3339 | -1.446 | .3223 | .0964 |
| Stddev | .7402 | 2.171 | 5.126 | 1.114 | .0623 |
| %RSD | 155.1 | 650.3 | 354.5 | 345.8 | 64.64 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | .0460 | 1.869 | 2.179 | 1.110 | .1405 |
| #2 | -1.001 | -1.202 | -5.071 | -.4658 | .0523 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (ln2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .5912 | -.2646 | .5262 | .1362 |
| Stddev | .2648 | .7846 | .1571 | .0638 |
| %RSD | 44.79 | 296.5 | 29.85 | 46.85 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | .7784 | -.8194 | .6372 | .0911 |
| #2 | .4040 | .2902 | .4151 | .1813 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: ICB Acquired: 5/28/2010 0:32:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 453.82 | 3996.3 | 4145.2 | 4497.6 |
| Stddev | 2.21 | 15.0 | 20.1 | 3.7 |
| %RSD | .48745 | .37436 | .48586 | .08333 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 455.38 | 4006.9 | 4159.5 | 4500.2 |
| #2 | 452.25 | 3985.8 | 4131.0 | 4494.9 |

UCL

LCL

5388.76
2901.64

Sample Name: ICSA Acquired: 5/28/2010 0:36:31 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8205 | 509800. | .6604 | -4726 | 2.701 |
| Stddev | .3694 | 1138. | 4.823 | .2240 | 3.017 |
| %RSD | 45.03 | .2232 | 730.4 | 47.40 | 111.7 |
| #1 | -5592 | 509000. | 4.071 | -.6310 | 4.835 |
| #2 | -1.082 | 510600. | -2.750 | -.3142 | .5676 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0240 | 492900. | 1.284 | 2.613 | 8.142 |
| Stddev | .0435 | 374. | .094 | .342 | .141 |
| %RSD | 180.9 | .0758 | 7.304 | 13.10 | 1.730 |
| #1 | -.0548 | 492700. | 1.350 | 2.371 | 8.242 |
| #2 | .0067 | 493200. | 1.217 | 2.855 | 8.043 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 5/28/2010 0:36:31 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3039 | 192800. | -48.08 | 488800. | .9546 |
| Stddev | .8205 | 319. | 26.04 | 373. | .0933 |
| %RSD | 270.0 | .1656 | 54.15 | .0763 | 9.771 |
| #1 | -.8841 | 193000. | -29.67 | 489000. | 1.021 |
| #2 | .2763 | 192600. | -66.49 | 488500. | .8887 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5961 | 25.14 | -7.262 | -.9710 | 2.652 |
| Stddev | .0547 | 4.33 | .643 | 1.690 | 3.724 |
| %RSD | 9.170 | 17.22 | 8.851 | 174.1 | 140.4 |
| #1 | -.5574 | 22.08 | -7.716 | .2241 | 5.285 |
| #2 | -.6347 | 28.20 | -6.807 | -2.166 | .0184 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 5/28/2010 0:36:31 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.079 | -1.053 | 9.577 | .1143 | 15.74 |
| Stddev | .459 | 2.434 | 5.712 | .7762 | .04 |
| %RSD | 5.681 | 231.0 | 59.64 | 679.2 | .2409 |
| #1 | -8.404 | .6676 | 13.62 | .6632 | 15.72 |
| #2 | -7.754 | -2.774 | 5.539 | -.4346 | 15.77 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7.189 | 3.787 | -3.763 | -4.789 |
| Stddev | .074 | 1.930 | 1.038 | .018 |
| %RSD | 1.028 | 50.96 | 27.59 | .3808 |
| #1 | 7.241 | 5.151 | -3.029 | -4.802 |
| #2 | 7.136 | 2.422 | -4.498 | -4.776 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 5/28/2010 0:36:31 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 357.97 | 3604.7 | 3740.6 | 4333.6 |
| Stddev | 3.00 | .5 | 12.0 | 10.0 |
| %RSD | .83767 | .01508 | .31985 | .23041 |
| #1 | 355.85 | 3605.1 | 3732.1 | 4340.6 |
| #2 | 360.09 | 3604.3 | 3749.0 | 4326.5 |

Sample Name: ICSAB Acquired: 5/28/2010 0:40:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 191.1 | 500300. | 92.59 | 1406. | 455.9 |
| Stddev | .5 | 1313. | 2.69 | 3. | 2.8 |
| %RSD | .2785 | .2624 | 2.904 | .2466 | .6059 |
| #1 | 190.7 | 499300. | 94.49 | 1403. | 454.0 |
| #2 | 191.5 | 501200. | 90.69 | 1408. | 457.9 |

Check ?
 Value
 Range

| Check ? | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|---------|-------|---------|-------|-------|-------|
| Value | 190.7 | 499300. | 94.49 | 1403. | 454.0 |
| Range | 191.5 | 501200. | 90.69 | 1408. | 457.9 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 491.0 | 483200. | 948.1 | 448.1 | 475.8 |
| Stddev | .4 | 445. | .8 | .1 | .5 |
| %RSD | .0882 | .0921 | .0873 | .0161 | .1141 |
| #1 | 490.7 | 482900. | 948.7 | 448.1 | 476.2 |
| #2 | 491.3 | 483600. | 947.6 | 448.2 | 475.4 |

Check ?
 Value
 Range

| Check ? | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|---------|-------|---------|-------|-------|-------|
| Value | 490.7 | 482900. | 948.7 | 448.1 | 476.2 |
| Range | 491.3 | 483600. | 947.6 | 448.2 | 475.4 |

Sample Name: ICSAB Acquired: 5/28/2010 0:40:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 470.2 | 192000. | -137.3 | 475500. | 464.7 |
| Stddev | .8 | 563. | 67.3 | 222. | 1.4 |
| %RSD | .1673 | .2932 | 49.00 | .0466 | .3020 |
| #1 | 470.7 | 192400. | -184.9 | 475400. | 465.7 |
| #2 | 469.6 | 191600. | -89.73 | 475700. | 463.7 |

Check ?
 Value
 Range

| Check ? | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|---------|-------|---------|--------|---------|-------|
| Value | 470.7 | 192400. | -184.9 | 475400. | 465.7 |
| Range | 469.6 | 191600. | -89.73 | 475700. | 463.7 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 984.1 | 33.69 | 876.0 | 496.8 | 47.98 |
| Stddev | .8 | 11.18 | .9 | 4.5 | 2.47 |
| %RSD | .0816 | 33.20 | .1076 | .9140 | 5.146 |
| #1 | 983.6 | 41.60 | 876.7 | 493.6 | 46.24 |
| #2 | 984.7 | 25.78 | 875.3 | 500.0 | 49.73 |

Check ?
 Value
 Range

| Check ? | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|---------|-------|-------|-------|-------|-------|
| Value | 983.6 | 41.60 | 876.7 | 493.6 | 46.24 |
| Range | 984.7 | 25.78 | 875.3 | 500.0 | 49.73 |

Sample Name: ICSAB Acquired: 5/28/2010 0:40:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 566.5 | 33.74 | 989.4 | 1365. | 244.9 |
| Stddev | 5.0 | .48 | 10.9 | 1. | 3.0 |
| %RSD | .8824 | 1.420 | 1.100 | .0972 | 1.207 |
| #1 | 570.1 | 34.07 | 997.1 | 1364. | 242.8 |
| #2 | 563.0 | 33.40 | 981.8 | 1366. | 247.0 |

Check ?
 Value
 Range

| Check ? | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|---------|-------|-------|-------|----------|-------|
| Value | 570.1 | 34.07 | 997.1 | 1364. | 242.8 |
| Range | 563.0 | 33.40 | 981.8 | 1366. | 247.0 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 494.3 | 92.17 | 499.9 | 967.5 |
| Stddev | .7 | .15 | .5 | 1.0 |
| %RSD | .1471 | .1579 | .1007 | .1050 |
| #1 | 494.8 | 92.28 | 499.6 | 966.8 |
| #2 | 493.8 | 92.07 | 500.3 | 968.2 |

Check ?
 Value
 Range

| Check ? | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|---------|-------|-------|-------|--------|
| Value | 494.8 | 92.28 | 499.6 | 966.8 |
| Range | 493.8 | 92.07 | 500.3 | 968.2 |

Sample Name: ICSAB Acquired: 5/28/2010 0:40:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 354.32 | 3613.2 | 3738.3 | 4329.5 |
| Stddev | 1.27 | 15.0 | 9.4 | 49.0 |
| %RSD | .35861 | .41518 | .25088 | 1.1306 |
| #1 | 353.42 | 3602.6 | 3731.7 | 4364.1 |
| #2 | 355.22 | 3623.9 | 3744.9 | 4294.9 |

Check ?
 Value
 Range

| Check ? | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|---------|--------|--------|--------|--------|
| Value | 353.42 | 3602.6 | 3731.7 | 4364.1 |
| Range | 355.22 | 3623.9 | 3744.9 | 4294.9 |

Sample Name: CRI Acquired: 5/28/2010 0:44:08 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.94 | 245.3 | 10.70 | 100.9 | 186.0 |
| Stddev | .20 | 26.0 | 3.79 | .5 | 7.9 |
| %RSD | 1.867 | 10.60 | 35.42 | .4966 | 4.245 |
| #1 | 11.09 | 263.7 | 8.018 | 101.3 | 191.6 |
| #2 | 10.80 | 226.9 | 13.38 | 100.6 | 180.4 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.958 | 5222. | 5.307 | 48.76 | 10.28 |
| Stddev | .256 | . | .216 | .26 | .06 |
| %RSD | 5.170 | .0002 | 4.067 | .5341 | .5536 |
| #1 | 4.777 | 5222. | 5.460 | 48.57 | 10.32 |
| #2 | 5.140 | 5222. | 5.155 | 48.94 | 10.24 |

Check ?
 High Limit
 Low Limit

Sample Name: CRI Acquired: 5/28/2010 0:44:08 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 25.10 | 248.3 | 5223. | 5118. | 14.95 |
| Stddev | 1.09 | .5 | 9. | 32. | .05 |
| %RSD | 4.350 | .2186 | .1633 | .6233 | .3355 |
| #1 | 24.33 | 247.9 | 5229. | 5095. | 14.91 |
| #2 | 25.88 | 248.7 | 5217. | 5141. | 14.98 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.78 | 5109. | 39.23 | 253.3 | 10.25 |
| Stddev | .64 | 23. | .39 | 1.6 | .23 |
| %RSD | 4.973 | .4408 | .9870 | .6475 | 2.233 |
| #1 | 13.23 | 5093. | 38.96 | 252.2 | 10.09 |
| #2 | 12.33 | 5125. | 39.51 | 254.5 | 10.42 |

Check ?
 High Limit
 Low Limit

Sample Name: CRI Acquired: 5/28/2010 0:44:08 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 58.81 | 35.83 | 103.4 | 18.27 | 20.72 |
| Stddev | 3.35 | .97 | .2 | .39 | .13 |
| %RSD | 5.693 | 2.710 | .1501 | 2.147 | .6251 |
| #1 | 61.18 | 35.15 | 103.3 | 17.99 | 20.63 |
| #2 | 56.44 | 36.52 | 103.5 | 18.55 | 20.81 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.93 | 23.71 | 49.56 | 20.31 |
| Stddev | .05 | .95 | .01 | .05 |
| %RSD | .2205 | 4.017 | .0130 | .2459 |
| #1 | 20.97 | 23.03 | 49.55 | 20.35 |
| #2 | 20.90 | 24.38 | 49.56 | 20.28 |

Check ?
 High Limit
 Low Limit

Sample Name: CRI Acquired: 5/28/2010 0:44:08 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 448.83 | 3984.3 | 4145.9 | 4490.7 |
| Stddev | 1.14 | 32.8 | 21.3 | 1.5 |
| %RSD | .25327 | .82217 | .51321 | .03346 |
| #1 | 448.03 | 3961.2 | 4130.8 | 4491.8 |
| #2 | 449.64 | 4007.5 | 4160.9 | 4489.6 |

Sample Name: LRV Acquired: 5/28/2010 0:48:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.679 | 587000. | 2055. | -.0207 | 3704. |
| Stddev | .329 | 938. | 2. | .2324 | . |
| %RSD | 12.29 | .1598 | .1040 | 1125. | .0101 |
| #1 | -2.912 | 586300. | 2053. | -.1850 | 3704. |
| #2 | -2.446 | 587700. | 2056. | .1437 | 3704. |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1923. | 559100. | 1878. | F 3509. | 3752. |
| Stddev | 3. | 859. | . | 1. | 2. |
| %RSD | .1556 | .1537 | .0216 | .0194 | .0418 |
| #1 | 1921. | 558500. | 1878. | 3508. | 3751. |
| #2 | 1926. | 559700. | 1878. | 3509. | 3753. |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Fail 4400. 3600. Chk Pass

Sample Name: LRV Acquired: 5/28/2010 0:48:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3956. | 281400. | 105300. | 551200. | 3651. |
| Stddev | 14. | 698. | 14. | 992. | 6. |
| %RSD | .3587 | .2482 | .0131 | .1800 | .1758 |
| #1 | 3966. | 281900. | 105300. | 550500. | 3656. |
| #2 | 3946. | 280900. | 105300. | 551900. | 3647. |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.538 | 100200. | F 3457. | 3.958 | 3882. |
| Stddev | .165 | 152. | 1. | .308 | 13. |
| %RSD | 10.75 | .1513 | .0246 | 7.791 | .3236 |
| #1 | -1.421 | 100100. | 3458. | 3.740 | 3873. |
| #2 | -1.655 | 100300. | 3456. | 4.176 | 3891. |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Fail 4400. 3600. Chk Pass

Sample Name: LRV Acquired: 5/28/2010 0:48:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3886. | 1906. | 42.57 | -.8287 | 3.711 |
| Stddev | 5. | 4. | 4.85 | .0047 | .017 |
| %RSD | .1318 | .2025 | 11.40 | .5683 | .4586 |
| #1 | 3882. | 1903. | 39.14 | -.8253 | 3.699 |
| #2 | 3889. | 1909. | 46.00 | -.8320 | 3.723 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.024 | 1830. | 3939. | 3928. |
| Stddev | .398 | 7. | 16. | 5. |
| %RSD | 4.961 | .3595 | .4099 | .1300 |
| #1 | 8.306 | 1826. | 3951. | 3924. |
| #2 | 7.743 | 1835. | 3928. | 3931. |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: LRV Acquired: 5/28/2010 0:48:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 356.04 | 3532.3 | 3650.0 | 4295.3 |
| Stddev | 22 | 4.3 | 3.7 | 20.9 |
| %RSD | .06156 | .12242 | .10111 | .48744 |
| #1 | 356.20 | 3529.2 | 3647.4 | 4310.1 |
| #2 | 355.89 | 3535.3 | 3652.6 | 4280.5 |

Sample Name: CCV Acquired: 5/28/2010 0:51:55 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.39 | 29900. | 102.4 | 709.5 | 195.4 |
| Stddev | .18 | 37. | .5 | 3.8 | 8.4 |
| %RSD | .1826 | .1249 | .4743 | .5352 | 4.293 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 97.51 | 29870. | 102.7 | 706.8 | 201.3 |
| #2 | 97.26 | 29920. | 102.0 | 712.2 | 189.5 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.78 | 29720. | 97.48 | 189.9 | 193.3 |
| Stddev | .17 | 43. | .58 | .1 | .3 |
| %RSD | .1728 | .1440 | .5955 | .0717 | .1416 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 99.65 | 29690. | 97.07 | 189.9 | 193.1 |
| #2 | 99.90 | 29750. | 97.89 | 189.8 | 193.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/28/2010 0:51:55 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 187.5 | 29940. | 30030. | 29710. | 188.9 |
| Stddev | .0 | 51. | 68. | 111. | .1 |
| %RSD | .0107 | .1715 | .2257 | .3743 | .0350 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 187.5 | 29910. | 29980. | 29790. | 188.8 |
| #2 | 187.5 | 29980. | 30080. | 29640. | 188.9 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.6 | 30070. | 186.5 | 201.0 | 395.6 |
| Stddev | .6 | 23. | .6 | .7 | 1.6 |
| %RSD | .3070 | .0749 | .3093 | .3378 | .4032 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 198.2 | 30060. | 186.1 | 200.6 | 394.5 |
| #2 | 199.0 | 30090. | 186.9 | 201.5 | 396.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/28/2010 0:51:55 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 294.4 | 98.01 | 986.3 | 192.2 | 297.0 |
| Stddev | 6 | 1.82 | 1.8 | 1.3 | 2.1 |
| %RSD | .1896 | 1.860 | .1813 | .6720 | .7146 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 294.8 | 99.30 | 987.5 | 191.3 | 298.5 |
| #2 | 294.0 | 96.72 | 985.0 | 193.1 | 295.5 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 395.7 | 100.6 | 198.8 | 196.8 |
| Stddev | 1.6 | 1.3 | .0 | .2 |
| %RSD | .4013 | 1.271 | .0079 | .0823 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 394.6 | 101.5 | 198.8 | 196.7 |
| #2 | 396.8 | 99.73 | 198.8 | 196.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/28/2010 0:51:55 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 418.07 | 3900.0 | 4073.1 | 4448.4 |
| Stddev | 1.48 | 7.2 | 8.8 | 28.9 |
| %RSD | .35519 | .18335 | .21638 | .65063 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 419.12 | 3905.1 | 4066.9 | 4427.9 |
| #2 | 417.02 | 3895.0 | 4079.4 | 4468.8 |

Sample Name: CCB Acquired: 5/28/2010 0:55:46 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5760 | -18.11 | -1.667 | .9995 | -.1645 |
| Stddev | .2462 | 22.03 | .445 | 1.385 | .5234 |
| %RSD | 42.74 | 121.6 | 26.70 | 138.6 | 318.2 |

#1 .7501 -2.537 -1.352 1.979 .2056
 #2 .4019 -33.69 -1.981 .0199 -.5346

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1541 | 54.35 | .3784 | .3243 | .1922 |
| Stddev | .0139 | 12.80 | .1987 | .1751 | .0377 |
| %RSD | 8.994 | 23.55 | 52.52 | 54.01 | 19.62 |

#1 .1443 63.40 .5190 .2004 .1656
 #2 .1639 45.30 .2379 .4481 .2189

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/28/2010 0:55:46 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0714 | 4.547 | 136.6 | -3.588 | .1115 |
| Stddev | .2419 | 19.58 | 7.6 | 28.26 | .1044 |
| %RSD | 338.9 | 430.6 | 5.550 | 787.7 | 93.65 |

#1 .2424 18.39 131.2 -23.57 .1853
 #2 -.0997 -9.297 141.9 16.40 .0377

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0931 | 10.69 | .2890 | -.5958 | 1.558 |
| Stddev | .4927 | 10.18 | .3172 | .2841 | .132 |
| %RSD | 529.4 | 95.21 | 109.8 | 47.68 | 8.452 |

#1 .4415 17.88 .5133 -.7967 1.465
 #2 -.2553 3.493 .0647 -.3949 1.651

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/28/2010 0:55:46 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6550 | .7010 | -4.242 | .0214 | .0124 |
| Stddev | .9216 | .9319 | 2.671 | .1244 | .0297 |
| %RSD | 140.7 | 132.9 | 62.98 | 582.5 | 240.5 |

#1 .0034 1.360 -2.353 .1093 .0334
 #2 1.307 .0421 -6.131 -.0666 -.0087

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .9016 | 2.595 | -.2728 | .2036 |
| Stddev | .0107 | .959 | .7992 | .1266 |
| %RSD | 1.182 | 36.97 | 292.9 | 62.18 |

#1 .9092 3.273 .2923 .1141
 #2 .8941 1.916 -.8379 .2931

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/28/2010 0:55:46 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 451.82 | 3976.5 | 4140.1 | 4464.7 |
| Stddev | 1.12 | .0 | 7.5 | 46.7 |
| %RSD | .24812 | .00089 | .18212 | 1.0453 |

#1 451.03 3976.5 4134.7 4431.7
 #2 452.61 3976.4 4145.4 4497.7

Sample Name: PBS052710C Acquired: 5/28/2010 0:59:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6789 | -27.68 | .4736 | 1.070 | -6.039 |
| Stddev | .0661 | 33.26 | .6641 | .940 | 4.120 |
| %RSD | 9.741 | 120.2 | 140.2 | 87.86 | 68.22 |
| #1 | .6321 | -4.163 | .9433 | .4051 | -8.952 |
| #2 | .7256 | -51.20 | .0040 | 1.734 | -3.126 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2144 | 73.87 | .4113 | .1211 | .4049 |
| Stddev | .2215 | 49.67 | .2302 | .3564 | .0369 |
| %RSD | 103.3 | 67.24 | 55.96 | 294.2 | 9.126 |
| #1 | .0578 | 109.0 | .5741 | .3732 | .4310 |
| #2 | .3711 | 38.75 | .2486 | -.1309 | .3787 |

Check ? Value Range
 None None None None None

Sample Name: PBS052710C Acquired: 5/28/2010 0:59:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9907 | 61.32 | 56.88 | 44.96 | .4043 |
| Stddev | .2638 | 1.07 | 37.21 | 7.95 | .0334 |
| %RSD | 26.63 | 1.750 | 65.42 | 17.67 | 8.261 |
| #1 | 1.177 | 62.08 | 83.19 | 39.34 | .3807 |
| #2 | .8042 | 60.56 | 30.57 | 50.58 | .4279 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1763 | 47.88 | -.6233 | 6.112 | 2.181 |
| Stddev | .2338 | 21.78 | .2961 | .024 | .288 |
| %RSD | 132.6 | 45.49 | 47.50 | .3964 | 13.19 |
| #1 | -.3416 | 63.28 | -.4139 | 6.129 | 1.977 |
| #2 | -.0110 | 32.48 | -.8326 | 6.094 | 2.384 |

Check ? Value Range
 None None None None None

Sample Name: PBS052710C Acquired: 5/28/2010 0:59:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6273 | -.5543 | 5.188 | 13.90 | .0285 |
| Stddev | .2368 | .8686 | 1.444 | .37 | .0165 |
| %RSD | 37.75 | 156.7 | 27.83 | 2.666 | 57.77 |
| #1 | .7948 | -1.168 | 4.167 | 13.64 | .0401 |
| #2 | .4599 | .0599 | 6.209 | 14.17 | .0168 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .5640 | -1.215 | -.3483 | .7501 |
| Stddev | .1525 | .263 | .1386 | .0721 |
| %RSD | 27.04 | 21.68 | 39.81 | 9.612 |
| #1 | .4562 | -1.401 | -.2502 | .8011 |
| #2 | .6719 | -1.029 | -.4463 | .6992 |

Check ? Value Range
 None None None None

Sample Name: PBS052710C Acquired: 5/28/2010 0:59:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 454.57 | 4035.6 | 4195.4 | 4529.6 |
| Stddev | 2.97 | 8.7 | 10.0 | .3 |
| %RSD | .65365 | .21484 | .23863 | .00585 |
| #1 | 452.47 | 4029.5 | 4188.4 | 4529.4 |
| #2 | 456.67 | 4041.7 | 4202.5 | 4529.8 |

#1 452.47 4029.5 4188.4 4529.4
 #2 456.67 4041.7 4202.5 4529.8

Sample Name: LCSS052710C Acquired: 5/28/2010 1:03:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 239.7 | 2151. | 240.4 | 462.2 | 1977. |
| Stddev | 1.1 | 3. | 2.2 | 7. | 3. |
| %RSD | .4528 | .1372 | .9255 | .1527 | .1279 |
| #1 | 240.5 | 2153. | 242.0 | 462.7 | 1978. |
| #2 | 239.0 | 2149. | 238.8 | 461.7 | 1975. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.54 | 19810. | 236.4 | 440.7 | 207.7 |
| Stddev | .31 | 38. | .6 | .4 | .2 |
| %RSD | .5757 | .1940 | .2511 | .0906 | .1099 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 53.76 | 19840. | 236.8 | 440.4 | 207.9 |
| #2 | 53.32 | 19790. | 236.0 | 441.0 | 207.6 |

Check ? Value Range
 None None None None None

Sample Name: LCSS052710C Acquired: 5/28/2010 1:03:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 248.7 | 1155. | 20580. | 19010. | 474.7 |
| Stddev | .6 | 1. | 217. | 64. | .2 |
| %RSD | .2307 | .0465 | 1.056 | .3358 | .0415 |
| #1 | 249.1 | 1155. | 20420. | 18960. | 474.8 |
| #2 | 248.3 | 1154. | 20730. | 19050. | 474.5 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 493.6 | 19680. | 469.6 | 494.4 | 218.6 |
| Stddev | 1.9 | 73. | .3 | 1.4 | 1.7 |
| %RSD | .3844 | .3709 | .0725 | .2787 | .7572 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 492.2 | 19730. | 469.8 | 493.4 | 217.5 |
| #2 | 494.9 | 19630. | 469.4 | 495.4 | 219.8 |

Check ? Value Range
 None None None None None

Sample Name: LCSS052710C Acquired: 5/28/2010 1:03:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 458.6 | 240.4 | 474.7 | 501.9 | 481.4 |
| Stddev | .2 | .8 | .9 | 1.1 | 1.0 |
| %RSD | .0375 | .3317 | .1832 | .2275 | .2065 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 458.5 | 240.9 | 475.4 | 502.7 | 482.1 |
| #2 | 458.7 | 239.8 | 474.1 | 501.1 | 480.7 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 490.1 | 242.4 | 492.7 | 475.5 |
| Stddev | .4 | 2.4 | .3 | .1 |
| %RSD | .0759 | .9884 | .0586 | .0140 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 489.8 | 240.7 | 492.5 | 475.5 |
| #2 | 490.4 | 244.1 | 492.9 | 475.6 |

Check ? Value Range
 None None None None

Sample Name: LCSS052710C Acquired: 5/28/2010 1:03:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 426.40 | 3944.3 | 4110.0 | 4463.6 |
| Stddev | 3.65 | 15.2 | 9.1 | 16.8 |
| %RSD | .85626 | .38583 | .22234 | .37680 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 428.98 | 3955.1 | 4116.4 | 4475.5 |
| #2 | 423.82 | 3933.6 | 4103.5 | 4451.7 |

Sample Name: 828828 Acquired: 5/28/2010 1:07:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.290 | 119200. | 61.30 | 35.62 | 2173. |
| Stddev | .384 | 334. | .90 | .20 | 4. |
| %RSD | 29.74 | .2804 | 1.470 | .5691 | .1915 |
| #1 | -1.019 | 119000. | 61.94 | 35.48 | 2170. |
| #2 | -1.561 | 119400. | 60.66 | 35.77 | 2176. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.486 | 457200. | 2.619 | 63.44 | 165.8 |
| Stddev | .153 | 682. | .331 | .28 | .1 |
| %RSD | 1.804 | .1491 | 12.63 | .4345 | .0358 |
| #1 | 8.378 | 456700. | 2.853 | 63.25 | 165.8 |
| #2 | 8.594 | 457600. | 2.385 | 63.64 | 165.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828828 Acquired: 5/28/2010 1:07:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 240.3 | 151200. | 17370. | 70630. | 3350. |
| Stddev | .9 | 286. | 7. | 132. | 33. |
| %RSD | .3946 | .1888 | .0392 | .1871 | .9730 |
| #1 | 241.0 | 151400. | 17360. | 70720. | 3373. |
| #2 | 239.7 | 151000. | 17370. | 70530. | 3327. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 218.4 | 1030. | 135.4 | 4772. | 183.9 |
| Stddev | .5 | 14. | .0 | 2. | 1.3 |
| %RSD | .2363 | 1.400 | .0184 | .0354 | .6831 |
| #1 | 218.0 | 1040. | 135.4 | 4773. | 183.0 |
| #2 | 218.8 | 1020. | 135.3 | 4771. | 184.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828828 Acquired: 5/28/2010 1:07:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|---------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.110 | -7.246 | 3738. | 2.497 | 1435. |
| Stddev | 3.110 | .510 | 20. | 1.123 | 1. |
| %RSD | 60.85 | 7.042 | .5311 | 44.97 | .0640 |
| #1 | -2.911 | -6.885 | 3724. | 3.291 | 1435. |
| #2 | -7.309 | -7.607 | 3752. | 1.703 | 1436. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 2837. | -5.086 | 354.3 | 522.0 | |
| Stddev | 1. | 2.729 | .4 | .4 | |
| %RSD | .0448 | 53.67 | .1058 | .0728 | |
| #1 | 2838. | -3.156 | 354.0 | 522.3 | |
| #2 | 2836. | -7.016 | 354.6 | 521.7 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828828 Acquired: 5/28/2010 1:07:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 386.54 | 4089.0 | 4249.1 | 4841.2 |
| Stddev | .25 | 9.2 | 15.3 | 45.1 |
| %RSD | .06445 | .22480 | .36004 | .93093 |
| #1 | 386.72 | 4082.5 | 4238.3 | 4873.1 |
| #2 | 386.37 | 4095.5 | 4259.9 | 4809.3 |

Sample Name: 828829 Acquired: 5/28/2010 1:11:34 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3508 | 61820 | 39.89 | -7.845 | 605.6 |
| Stddev | .5141 | 44. | 1.31 | 1.511 | 1.6 |
| %RSD | 146.5 | .0713 | 3.295 | 19.26 | .2674 |
| #1 | .0127 | 61860 | 38.96 | -6.776 | 604.5 |
| #2 | -.7144 | 61790 | 40.82 | -8.913 | 606.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.49 | 81640 | 7.719 | 81.19 | 309.0 |
| Stddev | .35 | 283. | .273 | .26 | .1 |
| %RSD | 2.774 | .3467 | 3.537 | .3194 | .0414 |
| #1 | 12.74 | 81840 | 7.526 | 81.38 | 309.1 |
| #2 | 12.25 | 81440 | 7.912 | 81.01 | 308.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828829 Acquired: 5/28/2010 1:11:34 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 995.5 | 148400 | 27210 | 54670 | 6739 |
| Stddev | .1 | 284 | 26 | 98 | 67 |
| %RSD | .0146 | .1914 | .0940 | .1794 | .9967 |
| #1 | 995.4 | 148600 | 27230 | 54740 | 6692 |
| #2 | 995.6 | 148200 | 27190 | 54600 | 6787 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2320 | 1103 | 222.7 | 5972 | 627.0 |
| Stddev | 8 | . | .0 | 9 | 1.7 |
| %RSD | .3348 | .0417 | .0171 | .1532 | .2709 |
| #1 | 2315 | 1103 | 222.7 | 5978 | 628.2 |
| #2 | 2326 | 1103 | 222.7 | 5965 | 625.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828829 Acquired: 5/28/2010 1:11:34 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.510 | -6.857 | 6598 | -2.623 | 557.8 |
| Stddev | 4.055 | 1.233 | 74 | 1.657 | 3.6 |
| %RSD | 73.60 | 17.98 | 1.117 | 63.18 | .6542 |
| #1 | -2.642 | -5.985 | 6650 | -3.795 | 560.3 |
| #2 | -8.377 | -7.729 | 6546 | -1.451 | 555.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 5478 | -19.15 | 306.7 | 1082 | |
| Stddev | 11 | 2.59 | 1.0 | 1 | |
| %RSD | .1927 | 13.54 | .3162 | .0809 | |
| #1 | 5485 | -17.32 | 307.4 | 1083 | |
| #2 | 5470 | -20.98 | 306.1 | 1081 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828829 Acquired: 5/28/2010 1:11:34 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 408.77 | 4308.5 | 4452.1 | 4920.7 |
| Stddev | 3.66 | 3.4 | 8.1 | 3.6 |
| %RSD | .89650 | .07888 | .18099 | .07267 |
| #1 | 406.18 | 4306.1 | 4446.4 | 4918.2 |
| #2 | 411.36 | 4310.9 | 4457.8 | 4923.3 |

Sample Name: 828830 Acquired: 5/28/2010 1:15:35 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|--------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.753 | 79910. | 49.06 | 15.17 | 813.8 |
| Stddev | .415 | 488. | .99 | 1.18 | 3.3 |
| %RSD | 4.740 | .6100 | 2.023 | 7.765 | .4063 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 8.459 | 79570. | 48.35 | 14.34 | 816.1 |
| #2 | 9.046 | 80260. | 49.76 | 16.00 | 811.4 |

Check ? Value Range
 None None None None None

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.620 | 159900. | 6.359 | 58.62 | 174.6 |
| Stddev | .211 | 673. | .235 | .69 | .4 |
| %RSD | 2.768 | .4208 | 3.692 | 1.172 | .2284 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 7.769 | 159400. | 6.193 | 59.11 | 174.3 |
| #2 | 7.471 | 160400. | 6.525 | 58.13 | 174.9 |

Check ? Value Range
 None None None None None

Sample Name: 828830 Acquired: 5/28/2010 1:15:35 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|--------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 345.8 | 145400. | 18310. | 48020. | 3322. |
| Stddev | .6 | 30. | 92. | 264. | . |
| %RSD | .1799 | .0210 | .5051 | .5495 | .0099 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 346.2 | 145400. | 18240. | 47830. | 3322. |
| #2 | 345.4 | 145400. | 18370. | 48200. | 3322. |

Check ? Value Range
 None None None None None

| | | | | | |
|--------|---------------|--------------|---------------|---------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 699.0 | 711.3 | 137.4 | 4469. | 277.2 |
| Stddev | .4 | 22.7 | 1.2 | 1. | .7 |
| %RSD | .0513 | 3.194 | .8935 | .0265 | .2584 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 698.7 | 727.4 | 136.5 | 4470. | 277.8 |
| #2 | 699.2 | 695.2 | 138.3 | 4469. | 276.7 |

Check ? Value Range
 None None None None None

Sample Name: 828830 Acquired: 5/28/2010 1:15:35 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|---------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.207 | -6.589 | 3742. | 1.981 | 542.0 |
| Stddev | 1.037 | .710 | 40. | .664 | 6.6 |
| %RSD | 14.39 | 10.77 | 1.064 | 33.53 | 1.225 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -6.474 | -7.091 | 3770. | 2.451 | 537.3 |
| #2 | -7.941 | -6.088 | 3714. | 1.512 | 546.7 |

Check ? Value Range
 None None None None None

| | | | | |
|--------|----------------|---------------|----------------|---------------|
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2917. | -6.456 | 285.7 | 1087. |
| Stddev | 1. | 1.037 | .3 | 1. |
| %RSD | .0504 | 16.06 | .1107 | .0618 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2918. | -7.190 | 285.5 | 1087. |
| #2 | 2916. | -5.723 | 285.9 | 1088. |

Check ? Value Range
 None None None None

Sample Name: 828830 Acquired: 5/28/2010 1:15:35 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 407.51 | 4137.0 | 4295.6 | 4748.0 |
| Stddev | .02 | 4.3 | 1.9 | 40.3 |
| %RSD | .00520 | .10358 | .04460 | .84902 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 407.50 | 4134.0 | 4297.0 | 4776.6 |
| #2 | 407.53 | 4140.0 | 4294.3 | 4719.5 |

Sample Name: 828830L Acquired: 5/28/2010 1:19:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.26 | 85630. | 50.44 | 9.953 | 820.1 |
| Stddev | .43 | 515. | 2.07 | 1.892 | 5.6 |
| %RSD | 4.212 | .6019 | 4.112 | 19.01 | .6788 |
| #1 | 10.56 | 85270. | 51.90 | 11.29 | 824.0 |
| #2 | 9.953 | 86000. | 48.97 | 8.615 | 816.1 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.770 | 171300. | 7.072 | 66.15 | 186.3 |
| Stddev | .088 | 595. | .570 | 1.86 | 6 |
| %RSD | 1.008 | .3477 | 8.063 | 2.811 | .2971 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 8.833 | 170800. | 7.475 | 64.83 | 186.7 |
| #2 | 8.708 | 171700. | 6.669 | 67.46 | 185.9 |

Check ? Value Range
 None None None None None

Sample Name: 828830L Acquired: 5/28/2010 1:19:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 364.9 | 155800. | 19820. | 52210. | 3605. |
| Stddev | 2.3 | 260. | 374. | 216. | 3. |
| %RSD | .6391 | .1668 | 1.887 | .4142 | .0834 |
| #1 | 363.3 | 155700. | 20080. | 52360. | 3603. |
| #2 | 366.6 | 156000. | 19550. | 52060. | 3607. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 735.0 | 934.1 | 146.0 | 4737. | 285.9 |
| Stddev | 1.0 | 141.7 | 1.4 | 21. | 4.8 |
| %RSD | .1408 | 15.17 | .9512 | .4461 | 1.686 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 734.3 | 833.9 | 147.0 | 4751. | 289.4 |
| #2 | 735.7 | 1034. | 145.0 | 4722. | 282.5 |

Check ? Value Range
 None None None None None

Sample Name: 828830L Acquired: 5/28/2010 1:19:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -13.75 | -9.404 | 4005. | 4.720 | 592.0 |
| Stddev | 15.75 | 1.256 | 11. | 1.602 | .0 |
| %RSD | 114.6 | 13.36 | .2721 | 33.93 | .0020 |
| #1 | -24.88 | -8.516 | 3997. | 5.853 | 592.0 |
| #2 | -2.607 | -10.29 | 4013. | 3.588 | 592.0 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3019. | -8.130 | 300.1 | 1173. |
| Stddev | 2. | 8.074 | 4.6 | 3. |
| %RSD | .0650 | 99.30 | 1.539 | .2730 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3018. | -2.421 | 296.9 | 1175. |
| #2 | 3021. | -13.84 | 303.4 | 1171. |

Check ? Value Range
 None None None None

Sample Name: 828830L Acquired: 5/28/2010 1:19:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 439.46 | 4048.9 | 4206.6 | 4543.6 |
| Stddev | 1.62 | 30.6 | .2 | 39.6 |
| %RSD | .36958 | .75615 | .00392 | .87074 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 438.31 | 4070.6 | 4206.7 | 4571.6 |
| #2 | 440.61 | 4027.3 | 4206.5 | 4515.6 |

Sample Name: 828830A Acquired: 5/28/2010 1:23:30 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.507 | 81130. | 84.92 | 451.6 | 2578. |
| Stddev | .083 | 97. | 2.78 | .4 | 7. |
| %RSD | .9795 | .1193 | 3.277 | .0899 | .2801 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 8.448 | 81060. | 82.96 | 451.3 | 2573. |
| #2 | 8.566 | 81200. | 86.89 | 451.9 | 2583. |

Check ? Value Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 55.83 | 158100. | 52.31 | 466.5 | 359.6 |
| Stddev | .13 | 479. | .03 | 2.6 | 2.0 |
| %RSD | .2312 | .3029 | .0571 | .5598 | .5542 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 55.92 | 158400. | 52.33 | 464.7 | 358.2 |
| #2 | 55.74 | 157700. | 52.29 | 468.3 | 361.0 |

Check ? Value Range

Sample Name: 828830A Acquired: 5/28/2010 1:23:30 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 574.2 | 145500. | 17960. | 47510. | 3747. |
| Stddev | 1.0 | 59. | 34. | 89. | 23. |
| %RSD | .1698 | .0405 | .1888 | .1865 | .6055 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 574.9 | 145500. | 17930. | 47580. | 3731. |
| #2 | 573.5 | 145500. | 17980. | 47450. | 3763. |

Check ? Value Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1140. | 692.0 | 543.7 | 4875. | 302.3 |
| Stddev | 7. | 57.0 | 3.4 | 27. | 1.0 |
| %RSD | .6521 | 8.240 | .6248 | .5633 | .3247 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1134. | 651.7 | 541.3 | 4856. | 301.6 |
| #2 | 1145. | 732.3 | 546.1 | 4895. | 303.0 |

Check ? Value Range

Sample Name: 828830A Acquired: 5/28/2010 1:23:30 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 426.8 | 43.79 | 4480. | 402.5 | 956.0 |
| Stddev | 1.5 | 3.07 | 32. | .1 | 12.9 |
| %RSD | .3629 | 7.018 | .7186 | .0128 | 1.347 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 425.7 | 41.61 | 4503. | 402.5 | 965.1 |
| #2 | 427.9 | 45.96 | 4458. | 402.5 | 946.9 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3324. | 42.42 | 732.1 | 1508. |
| Stddev | 13. | .67 | .0 | 8. |
| %RSD | .3808 | 1.581 | .0001 | .5199 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3333. | 42.90 | 732.1 | 1502. |
| #2 | 3315. | 41.95 | 732.1 | 1514. |

Check ? Value Range

Sample Name: 828830A Acquired: 5/28/2010 1:23:30 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 403.60 | 4114.9 | 4254.4 | 4730.3 |
| Stddev | 1.11 | 16.7 | 19.5 | 10.4 |
| %RSD | .27587 | .40471 | .45935 | .21966 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 404.38 | 4126.7 | 4268.3 | 4737.6 |
| #2 | 402.81 | 4103.1 | 4240.6 | 4722.9 |

Sample Name: 828830MS Acquired: 5/28/2010 1:27:30 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 43.06 | 103200. | 92.69 | 419.7 | 2683. |
| Stddev | .59 | 426. | 1.36 | .7 | 24. |
| %RSD | 1.365 | .4127 | 1.467 | .1749 | .8984 |
| #1 | 43.47 | 102900. | 93.65 | 419.1 | 2666. |
| #2 | 42.64 | 103500. | 91.73 | 420.2 | 2700. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 57.27 | 181300. | 49.03 | 459.9 | 409.8 |
| Stddev | .29 | 275. | .16 | .9 | .7 |
| %RSD | .5015 | .1516 | .3347 | .1999 | .1703 |
| #1 | 57.47 | 181100. | 49.15 | 460.5 | 410.3 |
| #2 | 57.06 | 181500. | 48.91 | 459.2 | 409.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828830MS Acquired: 5/28/2010 1:27:30 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 667.0 | 167900. | 21380. | 60530. | 4385. |
| Stddev | .2 | 234. | 7. | 120. | 13. |
| %RSD | .0266 | .1391 | .0348 | .1984 | .2995 |
| #1 | 667.2 | 167700. | 21370. | 60620. | 4375. |
| #2 | 666.9 | 168000. | 21380. | 60450. | 4394. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 969.5 | 688.5 | 581.1 | 5809. | 398.8 |
| Stddev | 1.0 | 32.9 | .3 | 6. | 6.7 |
| %RSD | .1071 | 4.771 | .0453 | .1006 | 1.682 |
| #1 | 968.7 | 711.7 | 581.2 | 5813. | 394.1 |
| #2 | 970.2 | 665.3 | 580.9 | 5805. | 403.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828830MS Acquired: 5/28/2010 1:27:30 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 185.1 | 42.87 | 4130. | 426.4 | 1036. |
| Stddev | .8 | 3.47 | 12. | 1.9 | 1. |
| %RSD | .4133 | 8.099 | .2967 | .4409 | .0743 |
| #1 | 184.6 | 40.41 | 4139. | 427.7 | 1037. |
| #2 | 185.7 | 45.32 | 4122. | 425.0 | 1036. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 4283. | 41.84 | 772.2 | 1155. | |
| Stddev | 4. | 2.23 | 1.2 | 1. | |
| %RSD | .0962 | 5.317 | .1613 | .0942 | |
| #1 | 4280. | 43.41 | 771.3 | 1155. | |
| #2 | 4285. | 40.27 | 773.1 | 1154. | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828830MS Acquired: 5/28/2010 1:27:30 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 401.31 | 4137.0 | 4284.4 | 4748.2 |
| Stddev | 2.88 | 15.4 | 6.3 | 5.5 |
| %RSD | .71842 | .37222 | .14609 | .11662 |
| #1 | 403.34 | 4147.9 | 4280.0 | 4744.3 |
| #2 | 399.27 | 4126.1 | 4288.8 | 4752.1 |

Sample Name: 828830DP Acquired: 5/28/2010 1:31:31 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6778 | 96170. | 54.10 | 22.31 | 996.5 |
| Stddev | .2409 | 209. | .82 | .86 | 3.0 |
| %RSD | 35.54 | .2169 | 1.516 | 3.863 | .3057 |
| #1 | -8482 | 96030. | 54.68 | 22.92 | 998.7 |
| #2 | -5075 | 96320. | 53.52 | 21.71 | 994.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.734 | 193100. | 5.567 | 71.79 | 225.8 |
| Stddev | .122 | 182. | .098 | .08 | .5 |
| %RSD | 1.393 | .0944 | 1.760 | .1151 | .2394 |
| #1 | 8.648 | 193200. | 5.636 | 71.85 | 225.4 |
| #2 | 8.820 | 193000. | 5.498 | 71.73 | 226.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828830DP Acquired: 5/28/2010 1:31:31 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 401.3 | 165300. | 20690. | 58440. | 4176. |
| Stddev | 2.3 | 298. | 87. | 209. | 22. |
| %RSD | .5667 | .1805 | .4225 | .3578 | .5239 |
| #1 | 403.0 | 165500. | 20630. | 58290. | 4160. |
| #2 | 399.7 | 165000. | 20750. | 58580. | 4191. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 589.9 | 710.8 | 171.6 | 5522. | 342.2 |
| Stddev | .3 | 39.7 | .3 | 14. | 3.7 |
| %RSD | .0555 | 5.591 | .1983 | .2475 | 1.092 |
| #1 | 590.1 | 738.9 | 171.3 | 5513. | 339.6 |
| #2 | 589.6 | 682.7 | 171.8 | 5532. | 344.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828830DP Acquired: 5/28/2010 1:31:31 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.342 | -4.016 | 3703. | 2.131 | 684.6 |
| Stddev | 1.023 | 2.288 | 52. | .275 | 4.3 |
| %RSD | 10.95 | 56.98 | 1.410 | 12.89 | .6318 |
| #1 | -10.07 | -5.634 | 3666. | 1.937 | 681.6 |
| #2 | -8.619 | -2.398 | 3740. | 2.326 | 687.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 3443. | -11.21 | 325.4 | 954.4 | |
| Stddev | 12. | .14 | 1.8 | .8 | |
| %RSD | .3406 | 1.224 | .5434 | .0790 | |
| #1 | 3451. | -11.31 | 326.7 | 953.9 | |
| #2 | 3435. | -11.11 | 324.2 | 955.0 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828830DP Acquired: 5/28/2010 1:31:31 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 400.45 | 4162.2 | 4311.9 | 4779.7 |
| Stddev | 1.02 | 7.1 | 24.6 | 27.5 |
| %RSD | .25367 | .17010 | .57164 | .57579 |
| #1 | 401.17 | 4167.2 | 4329.3 | 4799.2 |
| #2 | 399.73 | 4157.2 | 4294.5 | 4760.2 |

Sample Name: 828831 Acquired: 5/28/2010 1:35:33 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0107 | 80510. | 62.05 | 15.98 | 566.9 |
| Stddev | .3771 | 95. | 3.73 | .46 | 9.0 |
| %RSD | 3511. | .1185 | 6.010 | 2.853 | 1.596 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 2559 | 80450. | 59.41 | 16.30 | 573.3 |
| #2 | -2774 | 80580. | 64.68 | 15.66 | 560.5 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.452 | 94970. | 3.291 | 71.48 | 212.8 |
| Stddev | .479 | 69. | .223 | .01 | .4 |
| %RSD | 6.435 | .0724 | 6.784 | .0140 | .1991 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 7.113 | 95020. | 3.449 | 71.48 | 212.5 |
| #2 | 7.791 | 94920. | 3.133 | 71.47 | 213.1 |

Check ? Value Range

Sample Name: 828831 Acquired: 5/28/2010 1:35:33 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 334.4 | 152500. | 16180. | 49570. | 3804. |
| Stddev | 1.6 | 403. | 23. | 93. | 4. |
| %RSD | .4647 | .2642 | .1413 | .1886 | .1108 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 335.5 | 152800. | 16200. | 49510. | 3807. |
| #2 | 333.3 | 152200. | 16170. | 49640. | 3801. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 302.1 | 656.9 | 156.9 | 5923. | 412.5 |
| Stddev | .5 | 23.3 | 1.1 | 8. | 2.0 |
| %RSD | .1591 | 3.541 | .7116 | .1317 | .4835 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 301.8 | 640.4 | 156.1 | 5928. | 413.9 |
| #2 | 302.5 | 673.3 | 157.7 | 5917. | 411.1 |

Check ? Value Range

Sample Name: 828831 Acquired: 5/28/2010 1:35:33 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.726 | -6.380 | 3567. | 3.104 | 415.9 |
| Stddev | .242 | .144 | 3. | .057 | 4.2 |
| %RSD | 3.598 | 2.262 | .0708 | 1.844 | 1.011 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -6.897 | -6.278 | 3566. | 3.064 | 412.9 |
| #2 | -6.555 | -6.482 | 3569. | 3.145 | 418.9 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2956. | -7.617 | 268.2 | 649.8 |
| Stddev | 1. | 3.290 | .7 | .2 |
| %RSD | .0347 | 43.19 | .2759 | .0351 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2955. | -9.943 | 268.7 | 650.0 |
| #2 | 2956. | -5.291 | 267.7 | 649.7 |

Check ? Value Range

Sample Name: 828831 Acquired: 5/28/2010 1:35:33 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 408.83 | 4114.9 | 4280.0 | 4673.3 |
| Stddev | 2.16 | 10.5 | 5.3 | 6.4 |
| %RSD | .52718 | .25424 | .12370 | .13687 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 407.31 | 4107.5 | 4276.2 | 4677.8 |
| #2 | 410.36 | 4122.3 | 4283.7 | 4668.8 |

Sample Name: CCV Acquired: 5/28/2010 1:40:16 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 95.95 | 29830. | 104.5 | 704.7 | 191.0 |
| Stddev | .14 | 3. | 1.9 | .0 | 11.9 |
| %RSD | .1422 | .0099 | 1.822 | .0009 | 6.241 |
| #1 | 95.85 | 29840. | 103.2 | 704.7 | 199.4 |
| #2 | 96.05 | 29830. | 105.9 | 704.7 | 182.5 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.43 | 29430. | 97.24 | 188.8 | 192.0 |
| Stddev | .17 | 6. | .03 | .5 | .0 |
| %RSD | .1718 | .0190 | .0331 | 2.550 | .0140 |
| #1 | 98.31 | 29430. | 97.21 | 189.1 | 192.0 |
| #2 | 98.55 | 29420. | 97.26 | 188.5 | 192.1 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 1:40:16 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 184.1 | 29850. | 29960. | 29500. | 189.4 |
| Stddev | .5 | 53. | 75. | 67. | 1.7 |
| %RSD | .2980 | .1792 | .2518 | .2271 | .9001 |
| #1 | 183.7 | 29810. | 30020. | 29550. | 188.2 |
| #2 | 184.5 | 29890. | 29910. | 29450. | 190.6 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.5 | 30130. | 185.9 | 203.1 | 394.3 |
| Stddev | .4 | 103. | .7 | .5 | 2.0 |
| %RSD | .2022 | .3416 | .4011 | .2512 | .5197 |
| #1 | 198.8 | 30210. | 185.4 | 203.5 | 395.8 |
| #2 | 198.2 | 30060. | 186.4 | 202.8 | 392.9 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 1:40:16 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 289.2 | 100.8 | 992.3 | 192.5 | 301.6 |
| Stddev | .0 | 3.1 | 3.1 | 1.6 | 1.3 |
| %RSD | .0099 | 3.056 | .3160 | .8543 | .4304 |
| #1 | 289.2 | 103.0 | 990.1 | 193.6 | 302.5 |
| #2 | 289.2 | 98.62 | 994.6 | 191.3 | 300.6 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 394.4 | 97.49 | 197.9 | 196.4 |
| Stddev | 1.1 | 1.46 | .3 | .3 |
| %RSD | .2854 | 1.493 | .1382 | .1652 |
| #1 | 393.6 | 98.52 | 197.7 | 196.6 |
| #2 | 395.2 | 96.46 | 198.0 | 196.2 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 1:40:16 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 414.12 | 3864.9 | 4019.4 | 4310.8 |
| Stddev | .69 | 10.5 | 6.7 | 17.6 |
| %RSD | .16687 | .27282 | .16778 | .40885 |
| #1 | 413.63 | 3872.4 | 4014.7 | 4298.3 |
| #2 | 414.61 | 3857.5 | 4024.2 | 4323.3 |

Sample Name: CCB Acquired: 5/28/2010 1:44:06 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4244 | -21.97 | .5608 | 1.050 | -3.973 |
| Stddev | .1536 | 35.06 | .2828 | .157 | 2.796 |
| %RSD | 36.20 | 159.6 | 50.43 | 14.99 | 70.38 |
| #1 | .5330 | 2.819 | .3608 | .9384 | -1.996 |
| #2 | .3157 | -46.77 | .7608 | 1.161 | -5.950 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0179 | 31.88 | .2042 | .1953 | .0049 |
| Stddev | .1597 | 66.93 | .0039 | .0414 | .1047 |
| %RSD | 894.1 | 209.9 | 1.888 | 21.21 | 2123. |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | .0951 | -15.44 | .2015 | .1661 | -.0691 |
| #2 | -.1308 | 79.21 | .2070 | .2246 | .0789 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/28/2010 1:44:06 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5875 | -4.893 | 30.03 | 49.32 | .0907 |
| Stddev | .2451 | .342 | 50.08 | 8.46 | .0959 |
| %RSD | 41.72 | 6.980 | 166.8 | 17.16 | 105.8 |
| #1 | .4142 | -4.652 | -5.385 | 55.31 | .1585 |
| #2 | .7608 | -5.135 | 65.44 | 43.33 | .0229 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8904 | -35.10 | .1650 | 1.050 | .0745 |
| Stddev | .0239 | 10.39 | .0097 | .619 | .5980 |
| %RSD | 2.684 | 29.61 | 5.869 | 58.97 | 802.5 |

| | | | | | |
|----|-------|--------|-------|-------|--------|
| #1 | .9073 | -42.45 | .1719 | .6119 | -.3483 |
| #2 | .8735 | -27.75 | .1582 | 1.487 | .4974 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/28/2010 1:44:06 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5198 | 1.300 | -1.807 | -.6443 | .0289 |
| Stddev | .1037 | 2.643 | 1.573 | .3279 | .0203 |
| %RSD | 19.95 | 203.3 | 87.07 | 50.89 | 70.31 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -.4464 | -.5687 | -2.919 | -.8761 | .0433 |
| #2 | -.5931 | 3.170 | -.6943 | -.4124 | .0145 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .5804 | .4547 | .1963 | .0446 |
| Stddev | .6411 | .4888 | .6116 | .1738 |
| %RSD | 110.5 | 107.5 | 311.6 | 389.4 |

| | | | | |
|----|-------|-------|--------|--------|
| #1 | 1.034 | .1090 | .6288 | -.0782 |
| #2 | .1271 | .8003 | -.2362 | .1675 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/28/2010 1:44:06 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 448.14 | 3954.6 | 4103.9 | 4371.7 |
| Stddev | 3.17 | 9.6 | 22.5 | 18.0 |
| %RSD | .70833 | .24151 | .54717 | .41164 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 445.89 | 3947.9 | 4088.0 | 4359.0 |
| #2 | 450.38 | 3961.4 | 4119.8 | 4384.4 |

Sample Name: 828832 Acquired: 5/28/2010 1:48:03 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0163 | 79740. | 37.27 | -7.899 | 828.4 |
| Stddev | .0343 | 124. | .21 | 1.050 | 4.9 |
| %RSD | 210.5 | .1555 | .5654 | 13.29 | .5955 |
| #1 | -.0406 | 79650. | 37.12 | -7.157 | 831.8 |
| #2 | .0080 | 79820. | 37.42 | -8.641 | 824.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.44 | 92970. | 6.339 | 89.38 | 424.7 |
| Stddev | .07 | 220. | .357 | .51 | .6 |
| %RSD | .5077 | .2363 | 5.625 | .5652 | .1529 |
| #1 | 13.49 | 92820. | 6.087 | 89.03 | 424.2 |
| #2 | 13.39 | 93130. | 6.591 | 89.74 | 425.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828832 Acquired: 5/28/2010 1:48:03 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1107. | 173000. | 35320. | 72910. | 6573. |
| Stddev | 3. | 140. | 126. | 210. | 16. |
| %RSD | .2442 | .0809 | .3574 | .2881 | .2420 |
| #1 | 1109. | 173100. | 35410. | 72760. | 6561. |
| #2 | 1105. | 172900. | 35230. | 73060. | 6584. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2194. | 1174. | 260.9 | 8444. | 578.9 |
| Stddev | 10. | 10. | .1 | 10. | .2 |
| %RSD | .4618 | .8373 | .0573 | .1192 | .0288 |
| #1 | 2187. | 1167. | 261.0 | 8437. | 579.0 |
| #2 | 2201. | 1181. | 260.8 | 8451. | 578.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828832 Acquired: 5/28/2010 1:48:03 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.749 | -5.242 | 6888. | -4.401 | 629.1 |
| Stddev | 1.836 | 2.397 | 18. | .233 | .4 |
| %RSD | 18.83 | 45.73 | .2615 | 5.295 | .0673 |
| #1 | -8.451 | -6.937 | 6875. | -4.236 | 628.8 |
| #2 | -11.05 | -3.547 | 6901. | -4.566 | 629.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 7226. | -17.98 | 393.9 | 962.5 | |
| Stddev | 9. | .24 | .4 | .6 | |
| %RSD | .1279 | 1.331 | .0973 | .0660 | |
| #1 | 7233. | -18.15 | 394.2 | 962.0 | |
| #2 | 7219. | -17.81 | 393.6 | 962.9 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828832 Acquired: 5/28/2010 1:48:03 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 391.84 | 4227.5 | 4393.9 | 4840.7 |
| Stddev | 1.79 | 1.3 | 18.9 | 6.8 |
| %RSD | .45685 | .03029 | .43114 | .14079 |
| #1 | 390.58 | 4226.6 | 4380.5 | 4835.9 |
| #2 | 393.11 | 4228.4 | 4407.3 | 4845.5 |

Sample Name: 828833 Acquired: 5/28/2010 1:52:12 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2745 | 83500. | 39.78 | 12.30 | 611.6 |
| Stddev | .7418 | 247. | .02 | .82 | .8 |
| %RSD | 270.2 | .2961 | .0424 | 6.681 | .1324 |

#1 2500 83670. 39.79 12.88 611.0
#2 -7990 83320. 39.77 11.72 612.2

Check ? None None None None None
Value
Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.810 | 81820. | 4.545 | 70.91 | 265.2 |
| Stddev | .470 | 126. | .100 | .79 | .8 |
| %RSD | 4.791 | .1536 | 2.192 | 1.121 | .3173 |

#1 9.478 81910. 4.474 71.47 264.6
#2 10.14 81730. 4.615 70.35 265.8

Check ? None None None None None
Value
Range

Sample Name: 828833 Acquired: 5/28/2010 1:52:12 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 589.3 | 162800. | 26000. | 58060. | 4944. |
| Stddev | .9 | 263. | 143. | 42. | 8. |
| %RSD | .1611 | .1613 | .5492 | .0724 | .1539 |

#1 590.0 163000. 26100. 58090. 4950.
#2 588.6 162700. 25890. 58030. 4939.

Check ? None None None None None
Value
Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 915.3 | 643.7 | 182.4 | 5946. | 319.0 |
| Stddev | .2 | 10.2 | .6 | 17. | 2.0 |
| %RSD | .0238 | 1.578 | .3492 | .2850 | .6113 |

#1 915.1 636.5 181.9 5934. 320.3
#2 915.4 650.8 182.8 5958. 317.6

Check ? None None None None None
Value
Range

Sample Name: 828833 Acquired: 5/28/2010 1:52:12 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.883 | -5.134 | 3502. | .4410 | 422.8 |
| Stddev | .097 | 1.847 | .25. | .1158 | .5 |
| %RSD | .9762 | 35.98 | .7024 | 26.26 | .1149 |

#1 -9.951 -3.828 3520. .3591 423.2
#2 -9.815 -6.441 3485. .5228 422.5

Check ? None None None None None
Value
Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4442. | -13.80 | 318.1 | 820.1 |
| Stddev | 12. | .86 | .7 | 3.0 |
| %RSD | .2751 | 6.248 | .2270 | .3693 |

#1 4451. -14.41 318.6 817.9
#2 4433. -13.19 317.6 822.2

Check ? None None None None
Value
Range

Sample Name: 828833 Acquired: 5/28/2010 1:52:12 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 399.87 | 4083.1 | 4249.8 | 4598.3 |
| Stddev | .53 | 1.1 | 14.0 | 13.3 |
| %RSD | .13301 | .02697 | .32835 | .28860 |

#1 400.24 4083.9 4259.7 4607.7
#2 399.49 4082.3 4239.9 4588.9

Sample Name: 828834 Acquired: 5/28/2010 1:56:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.181 | 94820. | 47.79 | 17.06 | 619.6 |
| Stddev | .434 | 103. | 1.21 | .23 | 5.1 |
| %RSD | 36.75 | .1085 | 2.542 | 1.359 | .8310 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -1.488 | 94890. | 48.65 | 17.22 | 616.0 |
| #2 | -.8743 | 94750. | 46.93 | 16.89 | 623.3 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.311 | 94860. | 3.994 | 73.78 | 246.1 |
| Stddev | .018 | 183. | .028 | .13 | .1 |
| %RSD | .1990 | .1925 | .7102 | .1814 | .0461 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 9.298 | 94990. | 4.014 | 73.68 | 246.1 |
| #2 | 9.324 | 94730. | 3.974 | 73.87 | 246.2 |

Check ? Value Range
 None None None None None

Sample Name: 828834 Acquired: 5/28/2010 1:56:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 451.5 | 175400. | 23390. | 60100. | 5241. |
| Stddev | 3.8 | 416. | 66. | 222. | 64. |
| %RSD | .8382 | .2370 | .2807 | .3686 | 1.215 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 454.2 | 175700. | 23440. | 60260. | 5286. |
| #2 | 448.8 | 175100. | 23350. | 59940. | 5196. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 546.3 | 647.4 | 189.0 | 5878. | 1222. |
| Stddev | .5 | 27.2 | .2 | 7. | 17. |
| %RSD | .0827 | 4.208 | .0998 | .1200 | 1.429 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 546.0 | 666.7 | 188.8 | 5873. | 1235. |
| #2 | 546.6 | 628.2 | 189.1 | 5883. | 1210. |

Check ? Value Range
 None None None None None

Sample Name: 828834 Acquired: 5/28/2010 1:56:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.891 | -2.701 | 2864. | .4633 | 457.3 |
| Stddev | .895 | .957 | 6. | .2402 | 2.1 |
| %RSD | 10.07 | 35.44 | .2221 | 51.84 | .4614 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -9.524 | -3.378 | 2860. | .6331 | 455.8 |
| #2 | -8.258 | -2.024 | 2869. | .2935 | 458.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3709. | -13.53 | 323.1 | 820.8 |
| Stddev | 16. | 1.35 | .7 | 2.2 |
| %RSD | .4208 | 9.951 | .2089 | .2682 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3720. | -14.48 | 323.5 | 819.3 |
| #2 | 3698. | -12.58 | 322.6 | 822.4 |

Check ? Value Range
 None None None None

Sample Name: 828834 Acquired: 5/28/2010 1:56:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 394.02 | 4061.6 | 4209.7 | 4542.4 |
| Stddev | 5.22 | 4.9 | 9.3 | 35.2 |
| %RSD | 1.3238 | .12013 | .22039 | .77465 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 390.33 | 4058.2 | 4216.3 | 4517.5 |
| #2 | 397.71 | 4065.1 | 4203.2 | 4567.2 |

Sample Name: 828835 Acquired: 5/28/2010 2:00:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4384 | 105900. | 54.63 | 17.38 | 758.3 |
| Stddev | .9811 | 136. | 1.60 | 1.07 | 2.3 |
| %RSD | 223.8 | .1283 | 2.932 | 6.180 | .3083 |
| #1 | -1.132 | 105800. | 55.77 | 18.14 | 756.7 |
| #2 | 2553 | 106000. | 53.50 | 16.62 | 760.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.71 | 118800. | 6.016 | 84.10 | 277.9 |
| Stddev | .42 | 191. | .121 | .18 | .2 |
| %RSD | 3.933 | .1605 | 2.018 | .2084 | .0604 |
| #1 | 11.01 | 118900. | 6.102 | 83.97 | 278.1 |
| #2 | 10.41 | 118600. | 5.930 | 84.22 | 277.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828835 Acquired: 5/28/2010 2:00:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 621.4 | 187000. | 28870. | 65640. | 5562. |
| Stddev | .6 | 357. | 146. | 176. | 18. |
| %RSD | .1004 | .1909 | .5044 | .2681 | .3261 |
| #1 | 621.0 | 187300. | 28770. | 65760. | 5575. |
| #2 | 621.9 | 186800. | 28980. | 65510. | 5549. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1148. | 758.6 | 204.1 | 6770. | 430.0 |
| Stddev | 4. | 19.9 | .3 | 6. | .3 |
| %RSD | .3193 | 2.616 | .1495 | .0893 | .0634 |
| #1 | 1146. | 772.7 | 204.3 | 6774. | 430.2 |
| #2 | 1151. | 744.6 | 203.9 | 6766. | 429.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828835 Acquired: 5/28/2010 2:00:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.842 | -3.557 | 3411. | -.8160 | 486.5 |
| Stddev | 1.414 | .496 | 1. | .1088 | 1.3 |
| %RSD | 18.03 | 13.95 | .0423 | 13.33 | .2583 |
| #1 | -6.843 | -3.206 | 3412. | -.7391 | 485.6 |
| #2 | -8.842 | -3.908 | 3410. | -.8929 | 487.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 4628. | -15.84 | 362.6 | 1058. | |
| Stddev | 4. | .99 | .7 | 1. | |
| %RSD | .0843 | 6.265 | .1890 | .1356 | |
| #1 | 4631. | -16.54 | 362.1 | 1059. | |
| #2 | 4626. | -15.13 | 363.1 | 1057. | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828835 Acquired: 5/28/2010 2:00:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 394.59 | 4149.8 | 4283.0 | 4603.9 |
| Stddev | 3.16 | 27.2 | 27.9 | 42.6 |
| %RSD | .80144 | .65538 | .65097 | .92497 |
| #1 | 392.35 | 4130.6 | 4263.3 | 4573.8 |
| #2 | 396.83 | 4169.1 | 4302.7 | 4634.0 |

Sample Name: 828836 Acquired: 5/28/2010 2:04:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2750 | 88110. | 58.26 | 21.27 | 627.6 |
| Stddev | 1.049 | 64. | .18 | .38 | 8.3 |
| %RSD | 381.6 | .0729 | .3077 | 1.793 | 1.317 |
| #1 | -4670 | 88070. | 58.39 | 21.00 | 633.4 |
| #2 | 1.017 | 88160. | 58.14 | 21.54 | 621.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.798 | 148500. | 2.677 | 67.04 | 183.9 |
| Stddev | .034 | 128. | .113 | .07 | .3 |
| %RSD | .4407 | .0862 | 4.205 | .1085 | .1527 |
| #1 | 7.773 | 148600. | 2.757 | 67.09 | 183.7 |
| #2 | 7.822 | 148400. | 2.597 | 66.99 | 184.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828836 Acquired: 5/28/2010 2:04:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.8 | 167200. | 15960. | 59590. | 3522. |
| Stddev | .2 | 149. | 91. | 112. | 22. |
| %RSD | .0913 | .0889 | .5707 | .1872 | .6351 |
| #1 | 197.0 | 167100. | 15900. | 59670. | 3506. |
| #2 | 196.7 | 167300. | 16030. | 59520. | 3538. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 83.48 | 713.2 | 154.5 | 7096. | 202.2 |
| Stddev | 1.00 | 54.9 | 1.4 | 3. | .3 |
| %RSD | 1.199 | 7.703 | .8865 | .0437 | .1243 |
| #1 | 84.18 | 752.1 | 155.5 | 7098. | 202.4 |
| #2 | 82.77 | 674.4 | 153.5 | 7094. | 202.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828836 Acquired: 5/28/2010 2:04:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.45 | -5.444 | 3289. | 3.756 | 518.9 |
| Stddev | .24 | 1.093 | . | .198 | 6.8 |
| %RSD | 2.336 | 20.08 | .0112 | 5.269 | 1.314 |
| #1 | -10.62 | -6.217 | 3289. | 3.616 | 523.7 |
| #2 | -10.28 | -4.671 | 3289. | 3.896 | 514.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 2711. | -6.084 | 335.1 | 577.2 | |
| Stddev | 6. | .898 | .6 | .3 | |
| %RSD | .2145 | 14.77 | .1893 | .0575 | |
| #1 | 2715. | -6.719 | 335.6 | 577.4 | |
| #2 | 2707. | -5.449 | 334.7 | 576.9 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828836 Acquired: 5/28/2010 2:04:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 396.19 | 4055.0 | 4203.7 | 4564.0 |
| Stddev | 2.49 | 19.9 | 3.6 | 4.4 |
| %RSD | .62972 | .48979 | .08514 | .09661 |
| #1 | 397.95 | 4069.0 | 4201.2 | 4567.2 |
| #2 | 394.43 | 4040.9 | 4206.3 | 4560.9 |

Sample Name: 828837 Acquired: 5/28/2010 2:08:20 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.751 | 111800. | 55.65 | -18.63 | 1049. |
| Stddev | .902 | 81. | 3.94 | .53 | 18. |
| %RSD | 24.04 | .0727 | 7.085 | 2.820 | 1.719 |

| | | | | | |
|----|-------|---------|-------|--------|-------|
| #1 | 3.114 | 111700. | 58.44 | -18.26 | 1062. |
| #2 | 4.389 | 111800. | 52.86 | -19.00 | 1036. |

Check ? Value Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 15.19 | 103500. | 11.10 | 157.5 | 507.8 |
| Stddev | .04 | 134. | .15 | .5 | .1 |
| %RSD | .2376 | .1299 | 1.393 | .3083 | .0161 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 15.16 | 103400. | 11.00 | 157.9 | 507.7 |
| #2 | 15.21 | 103600. | 11.21 | 157.2 | 507.9 |

Check ? Value Range

Sample Name: 828837 Acquired: 5/28/2010 2:08:20 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1770. | 259200. | 44690. | 98140. | 7432. |
| Stddev | 2. | 769. | 23. | 67. | 87. |
| %RSD | .1282 | .2967 | .0506 | .0679 | 1.168 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 1771. | 259800. | 44670. | 98100. | 7371. |
| #2 | 1768. | 258700. | 44700. | 98190. | 7493. |

Check ? Value Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4755. | 1353. | 387.2 | 10480. | 1091. |
| Stddev | 2. | 30. | 0 | 34. | 2 |
| %RSD | .0389 | 2.231 | .0039 | .3197 | .1383 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | 4754. | 1331. | 387.2 | 10500. | 1090. |
| #2 | 4756. | 1374. | 387.2 | 10450. | 1092. |

Check ? Value Range

Sample Name: 828837 Acquired: 5/28/2010 2:08:20 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.026 | -5.315 | 6304. | -6.498 | 823.9 |
| Stddev | 1.800 | 5.261 | 3. | 1.408 | 1.7 |
| %RSD | 19.94 | 98.97 | .0417 | 21.66 | .2110 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -10.30 | -1.596 | 6302. | -5.503 | 822.7 |
| #2 | -7.753 | -9.035 | 6306. | -7.494 | 825.2 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8151. | -21.82 | 535.1 | 1632. |
| Stddev | 2. | 1.57 | 1.6 | 2. |
| %RSD | .0209 | 7.193 | .2945 | .1436 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 8150. | -20.71 | 536.2 | 1634. |
| #2 | 8152. | -22.93 | 534.0 | 1630. |

Check ? Value Range

Sample Name: 828837 Acquired: 5/28/2010 2:08:20 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 374.79 | 4255.4 | 4417.1 | 4798.2 |
| Stddev | .41 | 8.1 | 5.5 | 5.3 |
| %RSD | .10936 | .18922 | .12491 | .11057 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 374.50 | 4261.1 | 4413.2 | 4794.4 |
| #2 | 375.08 | 4249.7 | 4421.0 | 4801.9 |

Sample Name: 828838 Acquired: 5/28/2010 2:12:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.018 | 95180. | 57.33 | 23.35 | 969.6 |
| Stddev | .420 | 225. | 1.32 | .01 | .7 |
| %RSD | 20.84 | .2365 | 2.301 | .0227 | .0733 |
| #1 | -2.315 | 95020. | 56.39 | 23.35 | 969.1 |
| #2 | -1.721 | 95340. | 58.26 | 23.36 | 970.1 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.178 | 180000. | 3.087 | 63.39 | 194.7 |
| Stddev | .072 | 177. | .002 | .28 | .4 |
| %RSD | .8841 | .0985 | .0499 | .4409 | .2119 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 8.126 | 179900. | 3.086 | 63.20 | 194.4 |
| #2 | 8.229 | 180100. | 3.088 | 63.59 | 195.0 |

Check ? Value Range
 None None None None None

Sample Name: 828838 Acquired: 5/28/2010 2:12:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 289.1 | 170900. | 18780. | 56370. | 3741. |
| Stddev | 1.4 | 44. | 77. | 78. | 17. |
| %RSD | .4749 | .0256 | .4099 | .1378 | .4446 |
| #1 | 290.1 | 170900. | 18730. | 56320. | 3753. |
| #2 | 288.1 | 170800. | 18830. | 56430. | 3729. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 357.5 | 699.7 | 151.4 | 6251. | 264.7 |
| Stddev | 1.7 | 42.8 | .9 | 2. | 1.0 |
| %RSD | .4696 | 6.110 | .6023 | .0293 | .3707 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 358.7 | 669.5 | 150.8 | 6250. | 265.4 |
| #2 | 356.3 | 730.0 | 152.1 | 6252. | 264.1 |

Check ? Value Range
 None None None None None

Sample Name: 828838 Acquired: 5/28/2010 2:12:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.63 | -1.244 | 2834. | 3.969 | 620.4 |
| Stddev | 1.79 | 1.899 | 7. | 529 | 3.8 |
| %RSD | 16.87 | 1527. | .2443 | 13.33 | .6083 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -11.90 | 1.219 | 2839. | 3.595 | 617.8 |
| #2 | -9.366 | -1.467 | 2830. | 4.343 | 623.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2934. | -9.287 | 342.8 | 655.9 |
| Stddev | 7. | 2.748 | .7 | .5 |
| %RSD | .2258 | 29.59 | .2043 | .0730 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2939. | -11.23 | 343.2 | 656.2 |
| #2 | 2930. | -7.344 | 342.3 | 655.5 |

Check ? Value Range
 None None None None

Sample Name: 828838 Acquired: 5/28/2010 2:12:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 395.21 | 4017.0 | 4180.9 | 4487.9 |
| Stddev | .89 | 6.2 | 12.6 | 25.4 |
| %RSD | .22618 | .15469 | .30164 | .56698 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 395.84 | 4021.4 | 4189.9 | 4505.9 |
| #2 | 394.58 | 4012.6 | 4172.0 | 4469.9 |

Sample Name: 828839 Acquired: 5/28/2010 2:16:24 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.488 | 106100. | 62.98 | 25.19 | 977.1 |
| Stddev | 1.551 | 482. | 2.72 | .96 | 4.7 |
| %RSD | 104.2 | .4543 | 4.317 | 3.803 | .4784 |
| #1 | -3915 | 106500. | 64.90 | 24.52 | 973.8 |
| #2 | -2.584 | 105800. | 61.05 | 25.87 | 980.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.052 | 191800. | 3.065 | 72.26 | 228.5 |
| Stddev | .438 | 822. | .126 | .22 | .1 |
| %RSD | 4.843 | .4288 | 4.105 | .3098 | .0358 |
| #1 | 9.361 | 192400. | 3.154 | 72.42 | 228.5 |
| #2 | 8.742 | 191200. | 2.976 | 72.10 | 228.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828839 Acquired: 5/28/2010 2:16:24 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 304.9 | 171700. | 20350. | 63400. | 3826. |
| Stddev | .2 | 462. | 30. | 396. | 40. |
| %RSD | .0761 | .2689 | .1479 | .6248 | 1.041 |
| #1 | 304.7 | 172000. | 20330. | 63680. | 3854. |
| #2 | 305.0 | 171400. | 20370. | 63120. | 3798. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 416.4 | 827.3 | 176.0 | 6702. | 212.6 |
| Stddev | .1 | 4.6 | 1.9 | 11. | .1 |
| %RSD | .0287 | .5567 | 1.099 | .1591 | .0275 |
| #1 | 416.5 | 824.0 | 177.4 | 6709. | 212.6 |
| #2 | 416.3 | 830.6 | 174.6 | 6694. | 212.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828839 Acquired: 5/28/2010 2:16:24 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|---------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.743 | -7.798 | 2791. | 2.166 | 726.0 |
| Stddev | 1.253 | 1.793 | 19. | .650 | 7.3 |
| %RSD | 12.86 | 22.99 | .6945 | 30.01 | 1.009 |
| #1 | -10.63 | -6.530 | 2805. | 2.625 | 731.1 |
| #2 | -8.857 | -9.065 | 2777. | 1.706 | 720.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 3258. | -10.64 | 343.3 | 711.0 | |
| Stddev | 8. | 1.41 | .2 | .3 | |
| %RSD | .2464 | 13.30 | .0493 | .0392 | |
| #1 | 3264. | -9.637 | 343.2 | 710.8 | |
| #2 | 3253. | -11.64 | 343.4 | 711.2 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828839 Acquired: 5/28/2010 2:16:24 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 390.92 | 4084.8 | 4229.5 | 4559.2 |
| Stddev | 1.40 | 25.0 | 22.0 | 33.8 |
| %RSD | .35700 | .61107 | .52048 | .74197 |
| #1 | 389.93 | 4067.1 | 4214.0 | 4535.3 |
| #2 | 391.91 | 4102.4 | 4245.1 | 4583.1 |

Sample Name: 828840 Acquired: 5/28/2010 2:20:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.579 | 80820. | 45.52 | 16.84 | 519.5 |
| Stddev | .265 | 72. | 1.44 | 1.15 | 8.3 |
| %RSD | 16.77 | .0892 | 3.164 | 6.800 | 1.589 |
| #1 | -1.766 | 80770. | 46.54 | 17.65 | 525.3 |
| #2 | -1.391 | 80870. | 44.50 | 16.03 | 513.7 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.369 | 97860. | 2.857 | 66.99 | 220.0 |
| Stddev | .000 | 6. | .170 | .19 | .2 |
| %RSD | .0007 | .0064 | 5.933 | .2884 | .0907 |
| #1 | 7.369 | 97850. | 2.737 | 66.86 | 220.2 |
| #2 | 7.369 | 97860. | 2.977 | 67.13 | 219.9 |

Check ? Value Range
 None None None None None

Sample Name: 828840 Acquired: 5/28/2010 2:20:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 292.6 | 147900. | 16070. | 56810. | 3312. |
| Stddev | 1.3 | 571. | 93. | 64. | 4. |
| %RSD | .4334 | .3860 | .5776 | .1132 | .1222 |
| #1 | 293.5 | 148300. | 16000. | 56860. | 3315. |
| #2 | 291.7 | 147500. | 16130. | 56770. | 3309. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 301.9 | 653.6 | 190.6 | 6109. | 201.8 |
| Stddev | .6 | 29.2 | 1.5 | 5. | .9 |
| %RSD | .1932 | 4.462 | .7739 | .0871 | .4595 |
| #1 | 301.5 | 674.3 | 191.6 | 6113. | 201.1 |
| #2 | 302.3 | 633.0 | 189.5 | 6106. | 202.4 |

Check ? Value Range
 None None None None None

Sample Name: 828840 Acquired: 5/28/2010 2:20:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.936 | -4.904 | 2744. | 2.489 | 423.4 |
| Stddev | 1.472 | .778 | 26. | .969 | .5 |
| %RSD | 16.47 | 15.87 | .9322 | 38.95 | .1198 |
| #1 | -7.895 | -4.354 | 2763. | 3.174 | 423.0 |
| #2 | -9.977 | -5.455 | 2726. | 1.803 | 423.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2917. | -6.570 | 286.6 | 601.1 |
| Stddev | 7. | .220 | .4 | .0 |
| %RSD | .2505 | 3.344 | .1513 | .0020 |
| #1 | 2922. | -6.415 | 286.9 | 601.1 |
| #2 | 2912. | -6.725 | 286.3 | 601.1 |

Check ? Value Range
 None None None None

Sample Name: 828840 Acquired: 5/28/2010 2:20:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 400.48 | 4018.0 | 4165.0 | 4466.8 |
| Stddev | .12 | 6.6 | 14.0 | 12.3 |
| %RSD | .03040 | .16411 | .33628 | .27512 |
| #1 | 400.40 | 4013.3 | 4155.1 | 4475.5 |
| #2 | 400.57 | 4022.6 | 4174.9 | 4458.1 |

Check ? Value Range
 None None None None

Sample Name: 828841 Acquired: 5/28/2010 2:24:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.432 | 88050. | 63.45 | 20.90 | 613.4 |
| Stddev | .835 | 396. | 2.60 | 1.47 | 1.5 |
| %RSD | 58.31 | .4494 | 4.104 | 7.057 | .2370 |

#1 -2.023 88330. 65.29 21.94 612.4
 #2 -.8417 87770. 61.61 19.86 614.4
 Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.118 | 137700. | 3.263 | 64.56 | 196.6 |
| Stddev | .377 | 1136. | .332 | .46 | .2 |
| %RSD | 4.647 | .8245 | 10.17 | .7142 | .0768 |

#1 7.851 138500. 3.498 64.23 196.7
 #2 8.385 136900. 3.029 64.88 196.4
 Check ? None None None None None
 Value
 Range

Sample Name: 828841 Acquired: 5/28/2010 2:24:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 328.0 | 164500. | 19040. | 53640. | 3742. |
| Stddev | .2 | 198. | 54. | 260. | 1. |
| %RSD | .0497 | .1202 | .2810 | .4846 | .0165 |

#1 328.1 164700. 19010. 53820. 3742.
 #2 327.9 164400. 19080. 53450. 3741.
 Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 414.9 | 670.5 | 151.1 | 5684. | 296.5 |
| Stddev | .6 | 14.7 | .6 | 7. | .2 |
| %RSD | .1516 | 2.194 | .4290 | .1168 | .0545 |

#1 414.4 660.1 150.6 5689. 296.4
 #2 415.3 680.9 151.6 5680. 296.6
 Check ? None None None None None
 Value
 Range

Sample Name: 828841 Acquired: 5/28/2010 2:24:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.908 | -5.359 | 3896. | 3.674 | 456.5 |
| Stddev | 1.301 | 2.160 | 114. | .220 | 10.0 |
| %RSD | 16.46 | 40.30 | 2.925 | 5.983 | 2.185 |

#1 -8.828 -3.832 3977. 3.519 463.6
 #2 -6.988 -6.886 3816. 3.830 449.4
 Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3003. | -8.837 | 358.6 | 673.8 |
| Stddev | 8. | .910 | .0 | 1.1 |
| %RSD | .2522 | 10.30 | .0081 | .1656 |

#1 3008. -8.193 358.6 673.0
 #2 2998. -9.480 358.5 674.5
 Check ? None None None None
 Value
 Range

Sample Name: 828841 Acquired: 5/28/2010 2:24:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 399.53 | 4118.6 | 4261.2 | 4595.7 |
| Stddev | .55 | 11.3 | 16.1 | 50.1 |
| %RSD | .13707 | .27492 | .37693 | 1.0893 |

#1 399.14 4126.6 4249.9 4560.3
 #2 399.92 4110.6 4272.6 4631.1

Sample Name: CCV Acquired: 5/28/2010 2:28:30 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.15 | 29960. | 101.0 | 707.9 | 187.1 |
| Stddev | .82 | 45. | .7 | .9 | 9.1 |
| %RSD | .8552 | .1510 | .7392 | .1262 | 4.848 |
| #1 | 95.57 | 30000. | 100.4 | 707.3 | 193.5 |
| #2 | 96.74 | 29930. | 101.5 | 708.5 | 180.6 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.18 | 29390. | 96.92 | 188.9 | 192.6 |
| Stddev | .41 | 140. | .05 | .5 | .4 |
| %RSD | .4227 | .4779 | .0491 | .2445 | .2325 |
| #1 | 98.47 | 29490. | 96.96 | 188.6 | 192.3 |
| #2 | 97.88 | 29290. | 96.89 | 189.2 | 192.9 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 2:28:30 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 184.2 | 29790. | 30420. | 29460. | 188.5 |
| Stddev | 1.5 | 56. | 29. | 5. | .0 |
| %RSD | .8372 | .1896 | .0947 | .0153 | .0144 |
| #1 | 183.1 | 29750. | 30440. | 29460. | 188.4 |
| #2 | 185.3 | 29830. | 30400. | 29450. | 188.5 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.3 | 30450. | 186.7 | 202.9 | 399.8 |
| Stddev | .8 | 58. | .5 | .8 | 1.8 |
| %RSD | .4222 | .1897 | .2696 | .3815 | .4488 |
| #1 | 199.7 | 30490. | 186.3 | 203.5 | 401.1 |
| #2 | 200.9 | 30410. | 187.0 | 202.4 | 398.6 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 2:28:30 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 290.7 | 98.33 | 990.6 | 192.2 | 306.9 |
| Stddev | 1.7 | 2.74 | 1.6 | 1.3 | 1.5 |
| %RSD | .5808 | 2.787 | .1632 | .6626 | .4775 |
| #1 | 289.5 | 96.39 | 989.5 | 191.3 | 307.9 |
| #2 | 291.9 | 100.3 | 991.8 | 193.1 | 305.9 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 394.0 | 98.73 | 196.9 | 196.2 |
| Stddev | .8 | .51 | .2 | .1 |
| %RSD | .2095 | .5162 | .1206 | .0717 |
| #1 | 393.4 | 99.09 | 197.1 | 196.1 |
| #2 | 394.6 | 98.37 | 196.8 | 196.3 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 2:28:30 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 403.99 | 3805.5 | 3941.0 | 4164.5 |
| Stddev | .69 | 13.8 | 3.2 | 19.2 |
| %RSD | .17202 | .36195 | .08032 | .46017 |
| #1 | 403.50 | 3815.3 | 3943.2 | 4151.0 |
| #2 | 404.48 | 3795.8 | 3938.7 | 4178.1 |

Sample Name: CCB Acquired: 5/28/2010 2:32:21 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9290 | -42.49 | 3.173 | -.7995 | .7050 |
| Stddev | .2935 | 8.32 | .229 | .5629 | .5556 |
| %RSD | 31.59 | 19.57 | 7.217 | 70.41 | 78.80 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .7215 | -36.61 | 3.335 | -.4014 | 1.098 |
| #2 | 1.137 | -48.37 | 3.011 | -1.198 | .3122 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0602 | -1.808 | .1295 | .1036 | .1081 |
| Stddev | .1197 | 48.09 | .1254 | .2808 | .0696 |
| %RSD | 198.8 | 2659. | 96.84 | 271.0 | 64.39 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -.1448 | 32.19 | .0408 | -.0949 | .1573 |
| #2 | -.0244 | -35.81 | .2182 | .3022 | .0589 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 2:32:21 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0612 | 8.793 | 97.11 | -10.80 | .2117 |
| Stddev | .6099 | 4.083 | 61.35 | 23.44 | .0510 |
| %RSD | 995.8 | 46.44 | 63.17 | 217.1 | 24.08 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -.4925 | 11.68 | 53.73 | -27.37 | .2478 |
| #2 | .3700 | 5.906 | 140.5 | 5.776 | .1757 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9832 | -4.417 | -.8492 | -1.173 | .8984 |
| Stddev | .2600 | 45.89 | .4210 | .454 | 1.025 |
| %RSD | 26.44 | 1039. | 49.57 | 38.71 | 114.0 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | .7994 | -36.86 | -.5516 | -.8522 | .1739 |
| #2 | 1.167 | 28.03 | -1.147 | -1.495 | 1.623 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 2:32:21 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.291 | .2752 | 1.175 | .2146 | .0419 |
| Stddev | .480 | .8435 | 1.529 | .1400 | .0160 |
| %RSD | 37.17 | 306.5 | 130.2 | 65.22 | 38.27 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.9516 | -.3213 | 2.256 | .1156 | .0533 |
| #2 | -1.630 | .8716 | .0933 | .3136 | .0306 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .7110 | .3455 | -.0445 | .0339 |
| Stddev | .2915 | 2.029 | .6715 | .0176 |
| %RSD | 41.00 | 587.3 | 1511. | 51.87 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .5048 | -1.089 | -.5193 | .0464 |
| #2 | .9171 | 1.780 | .4304 | .0215 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 2:32:21 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 444.72 | 3924.5 | 4076.1 | 4244.5 |
| Stddev | 5.70 | 45.0 | 51.7 | 69.1 |
| %RSD | 1.2814 | 1.1463 | 1.2676 | 1.6272 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 440.69 | 3892.7 | 4039.6 | 4195.7 |
| #2 | 448.75 | 3956.3 | 4112.7 | 4293.4 |

Sample Name: 828842 Acquired: 5/28/2010 2:36:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9264 | 99110. | 50.78 | 21.80 | 786.4 |
| Stddev | .0944 | 513. | .40 | .15 | 3.3 |
| %RSD | 10.19 | .5177 | .7843 | .6834 | .4156 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | -8596 | 98750. | 51.06 | 21.69 | 784.1 |
| #2 | -9931 | 99480. | 50.49 | 21.90 | 788.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.747 | 165200. | 2.390 | 63.69 | 185.1 |
| Stddev | .002 | 404. | .112 | .04 | .1 |
| %RSD | .0286 | .2447 | 4.674 | .0659 | .0777 |

| | | | | | |
|---------|-------|---------|-------|-------|-------|
| #1 | 7.748 | 165000. | 2.469 | 63.72 | 185.0 |
| #2 | 7.745 | 165500. | 2.311 | 63.66 | 185.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828842 Acquired: 5/28/2010 2:36:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 305.9 | 180400. | 15930. | 56820. | 3594. |
| Stddev | .2 | 15. | 194. | 189. | 18. |
| %RSD | .0650 | .0081 | 1.215 | .3332 | .4935 |

| | | | | | |
|---------|-------|---------|--------|--------|-------|
| #1 | 305.8 | 180400. | 16070. | 56690. | 3606. |
| #2 | 306.1 | 180400. | 15790. | 56950. | 3581. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 186.8 | 668.0 | 138.1 | 5280. | 249.8 |
| Stddev | 1.0 | 21.4 | .1 | 16. | 1.5 |
| %RSD | .5182 | 3.201 | .0386 | .3002 | .6032 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 186.1 | 652.8 | 138.2 | 5269. | 250.8 |
| #2 | 187.5 | 683.1 | 138.1 | 5292. | 248.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828842 Acquired: 5/28/2010 2:36:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.474 | -6.292 | 3183. | 2.834 | 582.6 |
| Stddev | 1.352 | 4.083 | 9. | 1.034 | 7.8 |
| %RSD | 18.09 | 64.89 | .2699 | 36.50 | 1.339 |

| | | | | | |
|---------|--------|--------|-------|-------|-------|
| #1 | -8.430 | -3.405 | 3177. | 2.102 | 577.1 |
| #2 | -6.518 | -9.179 | 3189. | 3.565 | 588.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2714. | -5.725 | 313.6 | 633.3 |
| Stddev | 5. | 1.073 | .2 | 1.6 |
| %RSD | .1682 | 18.75 | .0569 | .2570 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 2717. | -4.966 | 313.5 | 632.1 |
| #2 | 2711. | -6.484 | 313.8 | 634.4 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828842 Acquired: 5/28/2010 2:36:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 402.84 | 4095.1 | 4267.4 | 4585.4 |
| Stddev | .35 | 19.1 | 7.3 | 48.6 |
| %RSD | .08580 | .46726 | .17077 | 1.0595 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 403.08 | 4081.6 | 4272.6 | 4619.8 |
| #2 | 402.60 | 4108.6 | 4262.3 | 4551.0 |

Sample Name: 828843 Acquired: 5/28/2010 2:40:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9365 | 65130. | 39.36 | -11.95 | 522.4 |
| Stddev | .4694 | .269 | .47 | .14 | 6.8 |
| %RSD | 50.12 | .4136 | 1.182 | 1.146 | 1.292 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -6045 | 64940. | 39.69 | -11.85 | 517.6 |
| #2 | -1.268 | 65320. | 39.03 | -12.05 | 527.2 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.02 | 99880. | 9.246 | 83.98 | 331.9 |
| Stddev | .02 | .336 | .077 | .36 | .2 |
| %RSD | .2129 | .3365 | .8381 | .4346 | .0637 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 11.04 | 99640. | 9.301 | 83.72 | 332.0 |
| #2 | 11.00 | 100100. | 9.191 | 84.24 | 331.7 |

Check ? Value Range
 None None None None None

Sample Name: 828843 Acquired: 5/28/2010 2:40:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 914.8 | 150000. | 29450. | 60390. | 5685. |
| Stddev | .2 | 87. | 1. | 138. | 61. |
| %RSD | .0249 | .0579 | .0038 | .2290 | 1.077 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 914.9 | 150100. | 29460. | 60490. | 5641. |
| #2 | 914.6 | 150000. | 29450. | 60290. | 5728. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2860. | 1065. | 211.7 | 5750. | 610.9 |
| Stddev | 12. | 13. | .5 | 12. | 5.0 |
| %RSD | .4195 | 1.190 | .2434 | .2098 | .8252 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2852. | 1056. | 211.4 | 5758. | 614.4 |
| #2 | 2869. | 1074. | 212.1 | 5741. | 607.3 |

Check ? Value Range
 None None None None None

Sample Name: 828843 Acquired: 5/28/2010 2:40:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.394 | -4.328 | 5847. | -2.822 | 694.4 |
| Stddev | 2.060 | 4.387 | 52. | 1.157 | .5 |
| %RSD | 38.19 | 101.3 | .8964 | 41.02 | .0755 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -3.937 | -1.226 | 5884. | -3.640 | 694.0 |
| #2 | -6.850 | -7.430 | 5810. | -2.003 | 694.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5713. | -19.08 | 324.9 | 1161. |
| Stddev | 13. | .14 | 1.2 | 3. |
| %RSD | .2193 | .7299 | .3813 | .2211 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 5704. | -19.18 | 324.0 | 1163. |
| #2 | 5722. | -18.98 | 325.7 | 1160. |

Check ? Value Range
 None None None None

Sample Name: 828843 Acquired: 5/28/2010 2:40:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 397.94 | 4185.0 | 4331.8 | 4720.8 |
| Stddev | 1.40 | 12.9 | 9.9 | 53.6 |
| %RSD | .35056 | .30837 | .22949 | 1.1347 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 396.95 | 4194.1 | 4338.8 | 4758.7 |
| #2 | 398.93 | 4175.8 | 4324.7 | 4683.0 |

Sample Name: 828844 Acquired: 5/28/2010 2:44:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.435 | 107600. | 61.11 | 24.87 | 1319. |
| Stddev | .990 | 46. | .31 | .30 | 18. |
| %RSD | 69.00 | .0427 | .5007 | 1.199 | 1.356 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -2.135 | 107600. | 60.89 | 24.66 | 1332. |
| #2 | -.7348 | 107600. | 61.32 | 25.08 | 1307. |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.716 | 247700. | 4.679 | 75.70 | 220.4 |
| Stddev | .404 | 381. | .343 | 1.10 | .4 |
| %RSD | 4.156 | .1538 | 7.332 | 1.454 | .1824 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 10.00 | 247900. | 4.436 | 74.92 | 220.2 |
| #2 | 9.430 | 247400. | 4.921 | 76.48 | 220.7 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828844 Acquired: 5/28/2010 2:44:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 456.8 | 189400. | 25930. | 55920. | 4509. |
| Stddev | 2.4 | 803. | 32. | 29. | 38. |
| %RSD | .5232 | .4238 | .1246 | .0521 | .8425 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 458.5 | 189900. | 25910. | 55940. | 4536. |
| #2 | 455.1 | 188800. | 25960. | 55900. | 4482. |

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 946.0 | 876.8 | 164.6 | 5703. | 313.0 |
| Stddev | .9 | .5 | 1.2 | 4. | 1.2 |
| %RSD | .0978 | .0597 | .7434 | .0780 | .3882 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 945.4 | 877.2 | 163.7 | 5707. | 312.1 |
| #2 | 946.7 | 876.5 | 165.5 | 5700. | 313.8 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828844 Acquired: 5/28/2010 2:44:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.427 | -6.961 | 3375. | .4038 | 777.1 |
| Stddev | 1.608 | 1.197 | 2. | 2227 | 6.0 |
| %RSD | 19.07 | 17.19 | .0615 | 55.16 | .7696 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -7.291 | -7.807 | 3376. | 2463 | 772.9 |
| #2 | -9.564 | -6.114 | 3373. | .5613 | 781.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3705. | -10.62 | 371.7 | 909.6 |
| Stddev | 7. | 1.03 | 2.4 | .7 |
| %RSD | .1875 | 9.732 | .6341 | .0722 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3710. | -9.891 | 373.4 | 909.1 |
| #2 | 3700. | -11.35 | 370.0 | 910.1 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828844 Acquired: 5/28/2010 2:44:19 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 395.25 | 4120.3 | 4279.4 | 4669.5 |
| Stddev | 1.09 | 19.0 | 7.9 | 30.9 |
| %RSD | .27618 | .46165 | .18473 | .66202 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 396.02 | 4106.8 | 4285.0 | 4691.4 |
| #2 | 394.47 | 4133.7 | 4273.8 | 4647.6 |

Sample Name: 828845 Acquired: 5/28/2010 2:48:21 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.104 | 94470. | 77.45 | 13.69 | 412.3 |
| Stddev | .253 | 90. | 2.85 | .79 | 2.4 |
| %RSD | 22.87 | .0952 | 3.678 | 5.773 | .5802 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .9255 | 94540. | 75.44 | 14.25 | 414.0 |
| #2 | 1.283 | 94410. | 79.47 | 13.13 | 410.6 |

Check ? Value Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.621 | 42140. | 5.802 | 69.16 | 197.2 |
| Stddev | .231 | 312. | .014 | .24 | .2 |
| %RSD | 2.675 | .7406 | .2327 | .3526 | .1033 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 8.785 | 42370. | 5.793 | 68.99 | 197.3 |
| #2 | 8.458 | 41920. | 5.812 | 69.33 | 197.0 |

Check ? Value Range

Sample Name: 828845 Acquired: 5/28/2010 2:48:21 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 410.2 | 194000. | 18530. | 52630. | 5026. |
| Stddev | .8 | 571. | 80. | 137. | 52. |
| %RSD | .1961 | .2943 | .4332 | .2594 | 1.043 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 409.7 | 194400. | 18580. | 52730. | 4989. |
| #2 | 410.8 | 193600. | 18470. | 52530. | 5063. |

Check ? Value Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 426.7 | 581.9 | 149.3 | 4772. | 375.8 |
| Stddev | 1.1 | 40.5 | .3 | 1. | 5.3 |
| %RSD | .2623 | 6.959 | .2181 | .0156 | 1.406 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 425.9 | 610.6 | 149.0 | 4772. | 372.1 |
| #2 | 427.4 | 553.3 | 149.5 | 4773. | 379.6 |

Check ? Value Range

Sample Name: 828845 Acquired: 5/28/2010 2:48:21 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.203 | -8.056 | 2825. | 3.839 | 250.4 |
| Stddev | .330 | 3.281 | 3. | .113 | 1.5 |
| %RSD | 3.586 | 40.72 | .0943 | 2.939 | .5833 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -9.437 | -10.38 | 2827. | 3.760 | 249.3 |
| #2 | -8.970 | -5.737 | 2823. | 3.919 | 251.4 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3409. | -11.63 | 279.7 | 1164. |
| Stddev | 1. | .08 | .8 | 1. |
| %RSD | .0199 | .7223 | .2711 | .0560 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3408. | -11.57 | 279.2 | 1164. |
| #2 | 3409. | -11.69 | 280.2 | 1165. |

Check ? Value Range

Sample Name: 828845 Acquired: 5/28/2010 2:48:21 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 413.65 | 4153.1 | 4303.5 | 4536.9 |
| Stddev | 2.06 | 12.0 | 3.6 | 15.0 |
| %RSD | .49795 | .28837 | .08381 | .33140 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 415.11 | 4144.7 | 4300.9 | 4547.6 |
| #2 | 412.20 | 4161.6 | 4306.0 | 4526.3 |

Sample Name: 828846 Acquired: 5/28/2010 2:52:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.858 | 103900. | 77.15 | -8.154 | 551.0 |
| Stddev | .467 | 401. | 2.72 | .374 | .7 |
| %RSD | 16.34 | .3856 | 3.521 | 4.583 | .1305 |

| | | | | | |
|----|-------|---------|-------|--------|-------|
| #1 | 2.528 | 103600. | 79.07 | -8.418 | 550.4 |
| #2 | 3.188 | 104100. | 75.23 | -7.889 | 551.5 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.94 | 138800. | 17.46 | 86.49 | 367.1 |
| Stddev | .18 | 464. | .09 | .38 | 2.8 |
| %RSD | 1.310 | .3343 | .5433 | .4422 | .7662 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 13.81 | 138500. | 17.52 | 86.76 | 369.1 |
| #2 | 14.06 | 139100. | 17.39 | 86.22 | 365.1 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828846 Acquired: 5/28/2010 2:52:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1170. | 226400. | 32400. | 87370. | 13600. |
| Stddev | 1. | 418. | 1. | 397. | 32. |
| %RSD | .0839 | .1847 | .0036 | .4542 | .2353 |

| | | | | | |
|----|-------|---------|--------|--------|--------|
| #1 | 1170. | 226700. | 32400. | 87090. | 13580. |
| #2 | 1169. | 226100. | 32400. | 87650. | 13620. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1451. | 2210. | 235.3 | 9095. | 750.2 |
| Stddev | 7. | 26. | 2.0 | 47. | .9 |
| %RSD | .4584 | 1.162 | .8573 | .5168 | .1186 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1456. | 2192. | 236.7 | 9128. | 750.9 |
| #2 | 1447. | 2228. | 233.9 | 9062. | 749.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828846 Acquired: 5/28/2010 2:52:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -12.66 | -7.419 | 8788. | 1.969 | 253.6 |
| Stddev | 1.39 | 5.012 | 48. | 1.184 | 2.7 |
| %RSD | 11.01 | 67.56 | .5415 | 60.14 | 1.070 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -11.68 | -3.875 | 8821. | 2.807 | 251.7 |
| #2 | -13.65 | -10.96 | 8754. | 1.132 | 255.5 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5206. | -36.58 | 423.5 | 2457. |
| Stddev | 1. | .65 | .1 | 19. |
| %RSD | .0188 | 1.783 | .0157 | .7614 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 5206. | -37.04 | 423.5 | 2470. |
| #2 | 5205. | -36.12 | 423.6 | 2444. |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828846 Acquired: 5/28/2010 2:52:18 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 394.48 | 4263.4 | 4403.1 | 4764.8 |
| Stddev | 1.62 | 5.0 | 13.2 | 54.8 |
| %RSD | .41033 | .11663 | .30026 | 1.1498 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 395.63 | 4267.0 | 4393.7 | 4803.5 |
| #2 | 393.34 | 4259.9 | 4412.4 | 4726.0 |

Sample Name: 828847 Acquired: 5/28/2010 2:56:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2392 | 105500. | 67.95 | 11.86 | 447.8 |
| Stddev | .6330 | 230. | 3.73 | 1.80 | 1.7 |
| %RSD | 264.7 | .2182 | 5.489 | 15.20 | .3809 |
| #1 | -6868 | 105300. | 70.59 | 13.14 | 449.0 |
| #2 | .2085 | 105600. | 65.32 | 10.59 | 446.6 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.911 | 48030. | 7.964 | 77.35 | 238.7 |
| Stddev | .099 | 153. | .101 | .19 | .3 |
| %RSD | .9983 | .3190 | 1.264 | .2491 | .1347 |
| #1 | 9.981 | 47920. | 8.035 | 77.49 | 239.0 |
| #2 | 9.841 | 48130. | 7.893 | 77.22 | 238.5 |

Check ? Value Range
 None None None None None

Sample Name: 828847 Acquired: 5/28/2010 2:56:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 453.7 | 203300. | 23320. | 61820. | 5972. |
| Stddev | 1.2 | 172. | 2. | 170. | 41. |
| %RSD | .2710 | .0847 | .0089 | .2752 | .6912 |
| #1 | 454.5 | 203100. | 23320. | 61700. | 6002. |
| #2 | 452.8 | 203400. | 23320. | 61940. | 5943. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 630.7 | 612.4 | 179.7 | 5758. | 301.9 |
| Stddev | .5 | 26.0 | .1 | 7. | .4 |
| %RSD | .0738 | 4.243 | .0700 | .1142 | .1466 |
| #1 | 630.4 | 630.7 | 179.7 | 5763. | 302.2 |
| #2 | 631.0 | 594.0 | 179.6 | 5754. | 301.6 |

Check ? Value Range
 None None None None None

Sample Name: 828847 Acquired: 5/28/2010 2:56:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -11.22 | -7.277 | 3190. | 2.043 | 305.0 |
| Stddev | .45 | 3.937 | 6. | .294 | 1.5 |
| %RSD | 4.017 | 54.10 | .1828 | 14.41 | .5027 |
| #1 | -11.54 | -10.06 | 3194. | 2.251 | 303.9 |
| #2 | -10.90 | -4.493 | 3186. | 1.835 | 306.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3937. | -15.20 | 318.1 | 1340. |
| Stddev | 8. | 2.00 | .2 | . |
| %RSD | .1918 | 13.16 | .0775 | .0204 |
| #1 | 3942. | -16.62 | 317.9 | 1340. |
| #2 | 3931. | -13.79 | 318.3 | 1339. |

Check ? Value Range
 None None None None

Sample Name: 828847 Acquired: 5/28/2010 2:56:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 410.71 | 4137.4 | 4310.6 | 4570.2 |
| Stddev | .83 | 10.0 | 16.9 | 43.0 |
| %RSD | .20138 | .24084 | .39210 | .94148 |
| #1 | 410.12 | 4144.5 | 4298.7 | 4600.6 |
| #2 | 411.29 | 4130.4 | 4322.6 | 4539.8 |

Sample Name: CCV Acquired: 5/28/2010 3:00:11 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.04 | 30080. | 102.9 | 707.3 | 191.8 |
| Stddev | .90 | 196. | 2.7 | 1.4 | 3.3 |
| %RSD | .9316 | .6504 | 2.613 | .2026 | 1.726 |
| #1 | 97.68 | 29950. | 104.8 | 706.3 | 194.1 |
| #2 | 96.40 | 30220. | 101.0 | 708.4 | 189.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.36 | 29410. | 97.26 | 190.2 | 192.7 |
| Stddev | .03 | 31. | .27 | .8 | .1 |
| %RSD | .0320 | .1070 | .2796 | .4430 | .0265 |
| #1 | 98.33 | 29390. | 97.07 | 190.8 | 192.7 |
| #2 | 98.38 | 29430. | 97.45 | 189.6 | 192.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/28/2010 3:00:11 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 184.0 | 29840. | 30610. | 29570. | 188.9 |
| Stddev | .4 | 11. | 7. | 112. | .6 |
| %RSD | .2122 | .0384 | .0242 | .3784 | .3039 |
| #1 | 184.2 | 29830. | 30620. | 29490. | 189.3 |
| #2 | 183.7 | 29840. | 30610. | 29650. | 188.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (ln2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.6 | 30660. | 187.3 | 203.6 | 402.3 |
| Stddev | .2 | 134. | 1.5 | .4 | .8 |
| %RSD | .0776 | .4356 | .7854 | .1863 | .1896 |
| #1 | 200.7 | 30570. | 186.2 | 203.4 | 401.8 |
| #2 | 200.5 | 30760. | 188.3 | 203.9 | 402.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/28/2010 3:00:11 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 291.6 | 98.53 | 998.1 | 194.0 | 308.9 |
| Stddev | 2.7 | 1.83 | .7 | .8 | .3 |
| %RSD | .9240 | 1.856 | .0657 | .4241 | .0963 |
| #1 | 289.7 | 97.24 | 997.6 | 193.4 | 309.1 |
| #2 | 293.5 | 99.83 | 998.5 | 194.5 | 308.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (ln2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 393.2 | 99.77 | 197.3 | 196.7 |
| Stddev | .5 | 1.74 | .0 | .3 |
| %RSD | .1178 | 1.740 | .0191 | .1707 |
| #1 | 393.5 | 101.0 | 197.3 | 196.5 |
| #2 | 392.9 | 98.54 | 197.3 | 197.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/28/2010 3:00:11 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | ln2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 405.93 | 3832.0 | 3973.0 | 4160.2 |
| Stddev | .26 | 23.6 | .7 | 35.6 |
| %RSD | .06434 | .61701 | .01767 | .85614 |
| #1 | 405.74 | 3848.7 | 3973.5 | 4185.4 |
| #2 | 406.11 | 3815.3 | 3972.5 | 4135.0 |

Sample Name: CCB Acquired: 5/28/2010 3:04:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6345 | -11.90 | .2738 | .5464 | .0913 |
| Stddev | .6398 | 33.93 | 2.193 | .1306 | 2.373 |
| %RSD | 100.8 | 285.2 | 801.1 | 23.90 | 2598. |

| | | | | | |
|----|-------|--------|--------|-------|--------|
| #1 | .1821 | 12.10 | -1.277 | .6387 | 1.769 |
| #2 | 1.087 | -35.89 | 1.825 | .4540 | -1.587 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2417 | 36.60 | .2292 | .2780 | .1600 |
| Stddev | .0853 | 54.26 | .0371 | .4394 | .0511 |
| %RSD | 35.30 | 148.3 | 16.16 | 158.1 | 31.94 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .3021 | -1.768 | .2030 | -.0327 | .1238 |
| #2 | .1814 | 74.97 | .2554 | .5887 | .1961 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 3:04:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3341 | -3.707 | .9772 | 63.00 | .0411 |
| Stddev | .7019 | 9.944 | 81.47 | 26.21 | .0165 |
| %RSD | 210.1 | 268.3 | 8337. | 41.61 | 40.05 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | -.1622 | 3.325 | -56.63 | 81.54 | .0295 |
| #2 | .8304 | -10.74 | 58.58 | 44.47 | .0527 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.179 | -7.030 | .7021 | -1.820 | -1.076 |
| Stddev | .181 | 16.56 | .3558 | .361 | 1.242 |
| %RSD | 15.36 | 235.6 | 50.67 | 19.85 | 115.4 |

| | | | | | |
|----|-------|--------|-------|--------|--------|
| #1 | 1.051 | 4.682 | .9537 | -1.565 | -.1981 |
| #2 | 1.307 | -18.74 | .4505 | -2.076 | -1.954 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 3:04:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.103 | 3.212 | 1.990 | -.0660 | -.0299 |
| Stddev | 1.561 | .048 | .164 | .6737 | .0059 |
| %RSD | 141.5 | 1.507 | 8.245 | 1020. | 19.81 |

| | | | | | |
|----|--------|-------|-------|--------|--------|
| #1 | .0009 | 3.247 | 1.874 | -.5424 | -.0257 |
| #2 | -2.206 | 3.178 | 2.106 | .4104 | -.0341 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1874 | .2574 | -.5955 | .0760 |
| Stddev | .0213 | .0232 | .6244 | .1090 |
| %RSD | 11.37 | 9.003 | 104.9 | 143.5 |

| | | | | |
|----|-------|-------|--------|--------|
| #1 | .2024 | .2738 | -.1540 | .1531 |
| #2 | .1723 | .2410 | -1.037 | -.0011 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 3:04:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 442.63 | 3891.6 | 4047.6 | 4186.0 |
| Stddev | .25 | 8.5 | 4.8 | 2.6 |
| %RSD | .05634 | .21968 | .11923 | .06123 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 442.81 | 3885.6 | 4044.1 | 4187.8 |
| #2 | 442.45 | 3897.7 | 4051.0 | 4184.2 |



Sample Preparation – Metals

| STANDARD TRACEABILITY RECORDS | | |
|-------------------------------------|-----------------------|--|
| ICP-OES Instrument | | |
| Date: 5/27/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 052710-01 | IFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052710-02 | IFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052710-03 | ILW | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052710-04 | ISW | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052710-05 | ISW | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | | Lot Number |
| Used for all methods | | |
| STD 7: | ME STD 7L 00012 | |
| STD 8: | ME STD 8L 00008 | |
| STD 4: | ME STD 4L 00012 | |
| ICV: | ME ICV L 00005 | |
| CCV: | ME CCV L 00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME 5%2% RINSE L 00015 | |
| Internal Standard Solution: | ME ICP7 IS L 00007 | |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | ME 6010 ICSA L 00008 | |
| ICSAB 6010: | ME 6010 ICSAB L 00001 | |
| CRI 6010: | ME 6010 CRI L 00006 | |
| DOD LRV Solution: | ME DOD LRV L 00004 | |
| 6010 Post Spiking Solution: | ME SPIKE #1 L 00008 | |
| 5 PPM AG: | | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | | |
| ICSA ILM05.4: | | |
| ICSAB ILM05.4: | | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

137166

| Batch Information: | | Method Information: | | | Reagent & Standard Traceability: | | | |
|--------------------|---------|---------------------|----------|---|--|--------|-------------|---------------------------------|
| Date: | 5/27/10 | ILM04.1 | ILM05.4 | HCl Tag ID: | MES-HCL-A-10-00014 | 10 mL | LCS Lot #: | MES-SPK# 00003, MES-HNA-00004 |
| Start Time: | 9:45 | 3010AES | 3010MS | HNO ₃ Tag ID | MES-HNO ₃ -00007 | 5 mL | Spike Added | 1.0 |
| Stop Time: | 12:30 | 200.7 | 200.8_DW | 1:1 HCl Lot # | N/A | mL | True Value | 5.0 mg/L |
| Analyst: | BS | 3050AES | 3050MS | 1:1 HNO ₃ Lot # | MES-1-HNO ₃ -00004 | 10 mL | MS Lot #: | MES-SPK# 1-00008, MES-HNA-00004 |
| Spike Analyst: | BS | Water | CEC | 30% H ₂ O ₂ Lot # | MES-H ₂ O ₂ -00003 | 3.2 mL | Spike Added | 1.0 |
| Spike Witness: | BS | Soil | Air | 2% HNO ₃ Lot # | N/A | mL | True Value | 5.0 mg/L |

| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Before Digestion | | | After Digestion | | | Comments |
|--------------|-----------|-------------------------------|--------------|------------------|---------|---------|-----------------|--------|---------|----------|
| | | | | Color | Clarity | Texture | Artifacts | Color | Clarity | |
| PBS052710.C | | 1.00 | 1.00 | | | | | | | |
| LCSS052710.C | | 1.00 | | | | | | | | |
| 828828 | A1 | 1.14 | | Lt Brown | | Med | | Yellow | cloudy | |
| 828829 | | 1.20 | | | | | | | | |
| 828830 | | 1.14 | | | | | | | | |
| 828830MS | | 1.12 | | | | | | | | |
| 828830DP | | 1.17 | | | | | | | | |
| 828831 | | 1.22 | | | | | | | | |
| 828832 | | 1.19 | | | | | | | | |
| 828833 | | 1.15 | | | | | | | | |
| 828834 | | 1.23 | | | | | | | | |
| 828835 | | 1.26 | | | | | | | | |
| 828836 | | 1.40 | | | | | | | | |
| 828837 | | 1.18 | | | | | | | | |
| 828838 | | 1.23 | | | | | | | | |
| 828839 | | 1.21 | | | | | | | | |
| 828840 | | 1.09 | | | | | | | | |
| 828841 | | 1.14 | | | | | | | | |
| 828842 | | 1.11 | | | | | | | | |
| 828843 | | 1.10 | | | | | | | | |
| 828844 | | 1.23 | | | | | | | | |
| 828845 | | 1.16 | | | | | | | | |
| 828846 | | 1.22 | | | | | | | | |
| 828847 | | 1.11 | | | | | | | | |

Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature:

| | | | | | | | |
|---------|--------|---------|--------|---------|-------|---------|--------|
| Block 1 | ___ °C | Block 3 | ___ °C | Block 5 | 95 °C | Block 7 | ___ °C |
| Block 2 | ___ °C | Block 4 | ___ °C | Block 6 | 95 °C | Block 8 | ___ °C |



Sample Handling

DO NOT LIFT USING THIS TAG

| | | | |
|---------------------------|--|------------------------------------|--|
| Recipient's Phone Number | | TO (Recipient's Name) Please Print | |
| FedEx | | 0002 OF 0006 | |
| MPS# 8716 0065 9960 | | 0260 | |
| Mstr# 8675 7103 9650 0215 | | 0215 | |
| XH BTVA | | BTVA | |
| Site/Room | | Company | |
| Street Addr | | City | |
| Emp# 580578 03MAY10 APAA | | © 2004 FedEx 14 | |

TUE - 04 MAY AA
PRIORITY OVERNIGHT
05403
VT-US
BTVA



2010

Page 129 of 130

| TestAmerica Burlington | | |
|--|--------------------------|---------------------------|
| SAMPLE RECEIPT & LOG IN CHECKLIST | | |
| Client: JRSCOD | Date Received: 05/04/10 | Log In Date: 05/04/10 |
| ETR: 137166 | Time Received: 10:15 | By: [Signature] |
| SDG: 137166 | Received By: [Signature] | Signature: [Signature] |
| Project: 290600 | # Coolers Received: 6 | PM Signature: [Signature] |
| Samples Delivered By: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify) | | Date: 05/06/10 |
| List Air bill Number(s) or Attach a photocopy of the Air Bill: | | |

| COOLER SCREEN | YES | NO | NA | COMMENTS |
|---|-------------------------------------|-------------------------------------|--------------------------|----------|
| There is <i>no</i> evidence to indicate tampering | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Custody seals are present and intact | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Custody seal numbers are present | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| If yes, list custody seal numbers: | | | | |

| Thermal Preservation Type: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other (specify) | | | | | | | | | |
|---|----|--------------------------------|----|-----------|----|-----------|----|--|--|
| IR Gun ID: 96 | | Correction Factor (CF) = -2 °C | | | | | | | |
| Cooler 1: 2.0 | °C | Cooler 6: 4.3 | °C | Cooler 11 | °C | Cooler 16 | °C | | |
| Cooler 2: 2.2 | °C | Cooler 7 | °C | Cooler 12 | °C | Cooler 17 | °C | | |
| Cooler 3: 4.2 | °C | Cooler 8 | °C | Cooler 13 | °C | Cooler 18 | °C | | |
| Cooler 4: 0.6 | °C | Cooler 9 | °C | Cooler 14 | °C | Cooler 19 | °C | | |
| Cooler 5: 2.8 | °C | Cooler 10 | °C | Cooler 15 | °C | Cooler 20 | °C | | |

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun

EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.

Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified

| SAMPLE CONDITION | YES | NO | N/A | COMMENTS |
|---|-----|----|-----|----------|
| Sample containers were received intact | X | | | |
| Legible sample labels are affixed to each container | X | | | |
| CHAIN OF CUSTODY (COO) | YES | NO | N/A | COMMENTS |

| CHAIN OF CUSTODY (COC) | | YES | NO | N/A | COMMENTS |
|---|--|-----|----|-----|----------|
| COC is present and includes the following information for each container: | | | | | |
| Sample ID / Sample Description | | X | | | |
| Date of Sample Collection | | X | | | |
| Time of Sample Collection | | X | | | |
| Identification of the Sampler | | X | | | |
| Preservation Type | | | | X | |
| Requested Tests Method(s) | | X | | | |
| Necessary Signatures | | X | | | |

| | | | |
|--|--|---|---|
| Internal Chain of Custody (ICOC) Required | | X | |
| If yes to above, ICOC Record initiated for every Worksheet | | | X |

| SAMPLE INTEGRITY / USABILITY | YES | NO | NA | COMMENTS |
|---|-----|----|----|----------|
| The sample container matches the COC | X | | | |
| Appropriate sample containers were received for the tests requested | X | | | |
| Samples were received within holding time | X | | | |
| Sufficient amount of sample is provided for requested analyses | X | | | |
| VOA vials do not have headspace or a bubble >6mm (1/4" diameter) | | | X | |
| Appropriate preservatives were used for the tests requested | | | X | |
| pH of inorganic samples checked and is within method specification | | | X | |
| If no, attach Inorganic Sample pH Adjustment Form | | | X | |

ANOMALY/ NCR SUMMARY.

All values R this year were in one of 6 runs at 2.0°C, except at
airbill attached.

TestAmerica
South Burlington, VT
Extended Data Package

137168

TestAmerica Laboratories, Inc.

June 1, 2010

Ms. Sheri O'Conner
URS Operating Services, Inc.
1099 18th Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: CMI; SDG: 137168

Dear Ms. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137168 | | | |
| 828857 | CVR3TR1-1-T01N-SOL | 04/29/10 | SOIL |
| 828858 | CVR3TR1-1-T01N-TLG | 04/29/10 | SOIL |
| 828859 | CVR3TR1-1-T02N-SOL | 05/02/10 | SOIL |
| 828859DP | CVR3TR1-1-T02N-SOLREP | 05/02/10 | SOIL |
| 828859MD | CVR3TR1-1-T02N-SOLMSD | 05/02/10 | SOIL |
| 828860 | CVR3TR1-1-T03N-SOL | 05/02/10 | SOIL |
| 828861 | CVR3TR1-1-T04D-SOL | 05/02/10 | SOIL |
| 828862 | CVR3TR1-2-T01N-SOL | 04/29/10 | SOIL |
| 828863 | CVR3TR1-2-T01N-TLG | 04/29/10 | SOIL |
| 828864 | CVR3TR1-2-T02N-SOL | 05/02/10 | SOIL |
| 828865 | CVR3TR1-2-T03N-SOL | 05/02/10 | SOIL |
| 828866 | CVR3TR1-2-T04N-SOL | 05/02/10 | SOIL |
| 828867 | CVR3TR1-3-T01N-SOL | 04/29/10 | SOIL |
| 828868 | CVR3TR1-3-T01N-TLG | 04/29/10 | SOIL |
| 828869 | CVR3TR1-3-T02N-SOL | 05/02/10 | SOIL |
| 828870 | CVR3TR1-3-T03N-SOL | 05/02/10 | SOIL |
| 828871 | CVR3TR1-3-T04N-SOL | 05/02/10 | SOIL |
| 828872 | CVR3TR2-1-T01N-SOL | 04/29/10 | SOIL |
| 828873 | CVR3TR2-1-T01N-TLG | 04/29/10 | SOIL |
| 828874 | CVR3TR2-1-T03N-SOL | 04/29/10 | SOIL |
| 828875 | CVR3TR2-1-T04N-SOL | 04/29/10 | SOIL |
| 828876 | CVR3TR2-2-T01N-SOL | 04/29/10 | SOIL |



Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B

There were no exceptions to the method quality criteria during the analysis of these samples.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joseph Carabillo', is written over a light blue horizontal line.

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|---|------------|
| Chain of Custody..... | 2 |
| Sample Report Summary Wet Chemistry | 6 |
| Supportive Documentation Wet Chemistry | 28 |
| Sample Report Summary Metals | 31 |
| QC Summary Metals | 53 |
| Supportive Documentation Metals | 75 |
| Sample Preparation Metals | 123 |
| Sample Handling | 126 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

URS Corporation • 8181 E. Tufts Avenue, Denver, CO 80237 • 303-694-2770 • Fax 303-694-3946

PAGE 1 OF 6

| Project Name | | Project Number | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----------------------------|--|---|--|------|--|---|--|----------------------------|--|---|--|-----------------------------|--|---|--|------|--|--|--|-------|--|-------|--|------------|--|------|--|------------|--|------------|--|---|--|--------------|--|
| CMI Soil + Vegetation | | 22241609.02000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager | | Report CC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marc Soellner | | sheri-o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address | | 8181 E Tufts Ave | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Denver, CO 80237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # | | FAX # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (303) 332-5997 | | (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature | | Sampler's Printed Name | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K. Best | | Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING DATE | | TIME | | MATRIX | | Total Number of Containers | | Total Metals | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| CVR3 TRI-1-T01N-SOL | | SOL | | 04/29/10 | | 1445 | | S | | 1 X | | moly | | | | | | | | | | | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | | | |
| CVR3 TRI-1-T01N-TLG | | TLG | | 04/29/10 | | 1440 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | ms/msd | | | |
| CVR3 TRI-1-T02N-SOL | | SOL | | 05/02/10 | | 0915 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | Fb | | | |
| CVR3 TRI-1-T04N-SOL | | SOL | | 05/02/10 | | 0940 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TRI-1-T04D-SOL | | SOL | | 05/02/10 | | 0940 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TRI-2-T01N-SOL | | SOL | | 04/29/10 | | 1515 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TRI-2-T01N-TLG | | TLG | | 04/29/10 | | 1510 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TRI-2-T02N-SOL | | SOL | | 05/02/10 | | 1000 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS | | | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | | | veg. | | | | TURNAROUND REQUIREMENTS RUSH (surcharges apply) 24 hr 48 hr 5 day | | | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edits Yes No per work order | | | | INVOICE INFORMATION PO# BILL TO: Sheri O'connor SUBMISSION #: | | | | | | | | | | | | | | | | | |
| Inorganic suite includes: | | | | URS Contact: Sheri-o'connor@urscorp.com | | | | See SOW <input checked="" type="checkbox"/> See QAPP <input type="checkbox"/> | | | | CUSTODY SEALS Y N | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 4.2 | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | |
| Signature K. Best | | | | Signature Liz Best | | | | Signature VV Pharm | | | | Signature TA Lab | | | | Signature | | | | Signature | | | | | | | | | | | | | | | | | |
| Printed Name K. Best | | | | Printed Name Liz Best | | | | Printed Name VV Pharm | | | | Printed Name TA Lab | | | | Printed Name | | | | Printed Name | | | | | | | | | | | | | | | | | |
| Firm URS | | | | Firm | | | | Firm | | | | Firm | | | | Firm | | | | Firm | | | | | | | | | | | | | | | | | |
| Date/Time 05/03/10 1500 | | | | Date/Time 05/04/10 1015 | | | | Date/Time | | | | Date/Time | | | | Date/Time | | | | Date/Time | | | | | | | | | | | | | | | | | |

White and Yellow to lab

Pink - sample management

Cooler of



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

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PAGE 2 OF 6

| Project Name CMI Soil + Vegetation | | Project Number 22241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|---|--|--------|--|----------------------------|--|--------------|--|-----------------------------|--|------|--|------|--|-------|--|-------|--|-------|--|------------|--|------|--|------------|--|------------|--|-----------|--|---|--|
| Project Manager Marc Soellner | | Report CC Sheri O'Connor@urcorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | FAX # (303) 332-5297 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5297 | | FAX # (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature Liz Best | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING | | MATRIX | | Total Number of Containers | | Total Metals | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| | | | | DATE | | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TR1-2-T03N-SOL | | | | 05/02/10 | | 1040 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | NONE | |
| CVR3 TR1-2-T04N-SOL | | | | 05/02/10 | | 1020 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | HCl | |
| CVR3 TR1-3-T01N-SOL | | | | 04/29/10 | | 1600 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | HNO ₃ | |
| CVR3 TR1-3-T01N-TLG | | | | 04/29/10 | | 1555 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | H ₂ SO ₄ | |
| CVR3 TR1-3-T02N-SOL | | | | 05/02/10 | | 1255 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | NaOH | |
| CVR3 TR1-3-T03N-SOL | | | | 05/02/10 | | 1235 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | Zn Acetate | |
| CVR3 TR1-3-T04N-SOL | | | | 05/02/10 | | 1215 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | MeOH | |
| CVR3 TR2-1-T01N-SOL | | | | 04/29/10 | | 0800 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | Other 4°C | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | veg. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | LAB CONTAINER | |
| URS Contact: sheri_oconnor@urcorp.com | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | INVOICE INFORMATION | |
| See SOW <input checked="" type="checkbox"/> | | See QAPP <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | PO# | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 4.2 | | CUSTODY SEALS: X N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | BILL TO: Sheri O'Connor | |
| RELINQUISHED BY Signature Liz Best | | RECEIVED BY Signature Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SUBMISSION #: | |
| Printed Name Liz Best | | Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | DUP, MS/MSD as required | |
| Firm URS | | Firm TA Lab | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | III. Results + QC and Calibration Summaries | |
| Date/Time 05/03/10 1500 | | Date/Time 05/04/10 1015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | IV. Data Validation Report with Raw Data | |

WGGeneralChemistryCOC FormURS General.doc 11/3/08 11:52 AM

White and Yellow to lab

Pink - sample management

Cooler _____ of _____



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

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PAGE 3 OF 6

| Project Name | | Project Number | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|---|--|--|--|--|--|---|--|---|--|---|--|--|--|--|--|---------------------------|--|---------------------------|--|---------------------------|--|---------------------------|--|---------------------------|--|---------------------------|--|---------------------------|--|---|--|
| CMI Soil + Vegetation | | 22241609.02000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager | | Report CC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MQRC Soellinev | | shevi-o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8181 E Tufts Ave | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Denver, CO 80237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # | | FAX # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (303) 332-5297 | | (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature | | Sampler's Printed Name | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liz Best | | Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING | | MATRIX | | Total Number of Containers | | Total Metals | | Inorganic Suite (see notes) | | VOCs | | BTX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| CVR3TR2-1-T01N-TLG | | | | DATE | | TIME | | AB | | 1 | | X | | | | | | | | | | | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 4°C 9. Other | |
| CVR3TR2-1-T03N-SOL | | | | 04/29/10 | | 0755 | | OS | | 1 | | X | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-1-T04N-SOL | | | | 04/29/10 | | 1640 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-2-T01N-SOL | | | | 04/29/10 | | 0830 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-2-T01N-TLG | | | | 04/29/10 | | 0825 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-2-T02N-SOL | | | | 04/29/10 | | 1515 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-2-T03N-SOL | | | | 04/29/10 | | 1545 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T01N-SOL | | | | 04/29/10 | | 0900 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS | | Inorganic suite includes: | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | veg EB | | CONTAINER KEY: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | TURNAROUND REQUIREMENTS RUSH (surcharges apply) 24 hr 48 hr 5 day | | X STANDARD per work order REQUESTED FAX DATE | | REQUESTED REPORT DATE | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edna Yes No per work order | | INVOICE INFORMATION PO# BILL TO: Shevi O'Connor SUBMISSION #: | | | | | | | | | | | | | | | | | |
| URS Contact: shevi-o'connor@urscorp.com | | See SOW <input checked="" type="checkbox"/> | | See QAPP <input type="checkbox"/> | | SAMPLE RECEIPT: CONDITION/COOLER TEMP: 4.2 | | CUSTODY SEALS: N | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | |
| Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | |
| Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | | |
| Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | | |
| Date/Time 05/03/10 1500 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | Date/Time 05/04/10 - 1015 | | | |

WGGeneralChemistry(COC Forms)URS General.doc 11/3/06 11:52 AM

White and Yellow to lab

Pink - sample management

Cooler of



Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-1-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828857

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 84.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 84.2 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-1-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828858

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 96.4 | |

Printed on: 05/06/10 09:13 AM

Sample Report Summary

CVR3TR1-1-T02N-SOL

% Solids: 88.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 88.3 | |

WET CHEMISTRY
Duplicate Sample Report Summary

Client Sample No.

CVR3TR1-1-T02N-SOLRE

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828859DP

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 87.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | Sample Result Conc. | Sample Result Qual. | Duplicate Sample Result Conc. | Duplicate Sample Result Qual. | RPD ¹ |
|--------|-----------------|------------------------|---------------------|-------|---------------------------|---------------------------|-------------------------------------|-------------------------------------|------------------|
| IN623 | Solids, Percent | 05/05/10 | | % | 88.3 | | 87.9 | | 0.5 |

1 - Control Limit for RPD is +/- 20%, unless otherwise specified.

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-1-T03N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828860

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 88.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 88.6 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-1-T04D-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828861

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 89.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 89.2 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-2-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828862

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 92.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 92.6 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-2-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828863

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 96.0 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-2-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828864

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 88.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 88.9 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-2-T03N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828865

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 90.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 90.5 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-2-T04N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828866

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 86.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 86.3 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-3-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828867

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 83.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 83.2 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-3-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828868

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 94.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|------------------------|---------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 94.9 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-3-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828869

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 93.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 93.1 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-3-T03N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828870

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 86.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN823 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 86.9 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-3-T04N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828871

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 88.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 88.6 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-1-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828872

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 71.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 71.7 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR3TR2-1-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828873

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 95.4 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR3TR2-1-T03N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828874

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 83.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 83.8 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-1-T04N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137168

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828875

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 84.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 84.5 | |

Printed on: 05/06/10 09:13 AM

WET CHEMISTRY

Sample Report Summary

CVR3TR2-2-T01N-SOL

SDG No.: 137168

Lab Sample ID: 828876

Date Received: 05/04/10

% Solids: 93.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 93.3 | |

Printed on: 05/06/10 09:14 AM



Supportive Documentation – Wet Chemistry

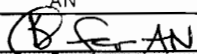



THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

| Analysis Start Date: 5/5/2010 | | Oven ID: 2 | | Analysis End Date: 5/6/2010 | | |
|--|---------|--|---------------------------------------|---------------------------------------|-----------------------|-------------------------|
| Analysis Start Time: 08:20 | | Time In: 9:41 | | Analysis End Time: 8:47 | | |
| Start Analyst: AN | | Time Out: 8:20 | | End Analyst: KEJ | | |
| Start Analyst Signature:  | | End Analyst Signature:  | | | | |
| | | | | | | |
| LAB ID | Dish ID | Dish Weight (g) | Weight of Dish + Wet Sample (g) | Weight of Dish + Dry Sample (g) | Percent Solids (%) | Percent Moisture (%) |
| 828857 | 1 | 1.00 | 9.96 | 8.54 | 84.2 | 16 |
| 828858 | 2 | 0.95 | 10.03 | 9.70 | 96.4 | 4 |
| 828859 | 3 | 0.99 | 10.03 | 8.97 | 88.3 | 12 |
| 828859DP | 4 | 0.99 | 10.03 | 8.94 | 87.9 | 12 |
| 828860 | 5 | 0.97 | 10.02 | 8.99 | 88.6 | 11 |
| 828861 | 6 | 1.01 | 10.01 | 9.04 | 89.2 | 11 |
| 828862 | 7 | 0.99 | 10.00 | 9.33 | 92.6 | 7 |
| 828863 | 8 | 1.00 | 9.95 | 9.59 | 96.0 | 4 |
| 828864 | 9 | 1.00 | 9.94 | 8.95 | 88.9 | 11 |
| 828865 | 10 | 0.98 | 10.04 | 9.18 | 90.5 | 10 |
| 828866 | 11 | 0.97 | 10.05 | 8.81 | 86.3 | 14 |
| 828867 | 12 | 0.99 | 9.98 | 8.47 | 83.2 | 17 |
| 828868 | 13 | 1.00 | 9.99 | 9.53 | 94.9 | 5 |
| 828869 | 14 | 1.00 | 9.95 | 9.33 | 93.1 | 7 |
| 828870 | 15 | 0.98 | 10.03 | 8.84 | 86.9 | 13 |
| 828871 | 16 | 0.98 | 10.02 | 8.99 | 88.6 | 11 |
| 828872 | 17 | 0.98 | 10.06 | 7.49 | 71.7 | 28 |
| 828873 | 18 | 1.01 | 10.01 | 9.60 | 95.4 | 5 |
| 828874 | 19 | 0.99 | 10.03 | 8.57 | 83.8 | 16 |
| 828875 | 20 | 1.00 | 9.95 | 8.56 | 84.5 | 16 |
| 828876 | 21 | 1.00 | 10.00 | 9.40 | 93.3 | 7 |
| 828877 | 22 | 0.95 | 9.96 | 7.53 | 73.0 | 27 |
| 828878 | 23 | 0.97 | 10.01 | 9.05 | 89.4 | 11 |
| 828879 | 24 | 1.00 | 10.02 | 9.16 | 90.5 | 10 |
| 828880 | 25 | 0.99 | 9.99 | 9.26 | 91.9 | 8 |
| 828881 | 26 | 0.98 | 10.00 | 9.49 | 94.3 | 6 |
| 828882 | 27 | 1.00 | 9.99 | 9.38 | 93.2 | 7 |
| 828883 | 28 | 0.99 | 9.95 | 9.48 | 94.8 | 5 |
| 828884 | 29 | 0.98 | 10.02 | 9.44 | 93.6 | 6 |
| 828885 | 30 | 0.98 | 9.99 | 9.48 | 94.3 | 6 |

Calculation: Percent Wet Weight =
$$\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|---------------------|----------------|
| CVR3TR1-1-T01N-SOL | 828857 |
| CVR3TR1-1-T01N-TLG | 828858 |
| CVR3TR1-1-T02N-SOL | 828859 |
| CVR3TR1-1-T02N-SOLD | 828859D |
| CVR3TR1-1-T02N-SOLS | 828859S |
| CVR3TR1-1-T03N-SOL | 828860 |
| CVR3TR1-1-T04D-SOL | 828861 |
| CVR3TR1-2-T01N-SOL | 828862 |
| CVR3TR1-2-T01N-TLG | 828863 |
| CVR3TR1-2-T02N-SOL | 828864 |
| CVR3TR1-2-T03N-SOL | 828865 |
| CVR3TR1-2-T04N-SOL | 828866 |
| CVR3TR1-3-T01N-SOL | 828867 |
| CVR3TR1-3-T01N-TLG | 828868 |
| CVR3TR1-3-T02N-SOL | 828869 |
| CVR3TR1-3-T03N-SOL | 828870 |
| CVR3TR1-3-T04N-SOL | 828871 |
| CVR3TR2-1-T01N-SOL | 828872 |
| CVR3TR2-1-T01N-TLG | 828873 |
| CVR3TR2-1-T03N-SOL | 828874 |
| CVR3TR2-1-T04N-SOL | 828875 |
| CVR3TR2-2-T01N-SOL | 828876 |

Were ICP interelement corrections applied? Yes/No YES
Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____
Date: _____ Title: _____

COVER PAGE - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-1-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828857
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 84.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 12.9 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-1-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828858
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 87.6 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-1-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828859
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 88.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 23.7 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-1-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828860
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 88.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 42.2 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-1-T04D-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828861
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 89.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 31.5 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-2-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828862
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 92.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 8.0 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-2-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828863
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 55.7 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-2-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828864
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 88.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 20.5 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-2-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828865
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 90.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 21.3 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-2-T04N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828866
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 86.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 15.6 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-3-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828867
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 83.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 7.1 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-3-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828868
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 92.5 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-3-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828869
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 93.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 39.0 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-3-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828870
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 86.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 22.5 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-3-T04N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828871
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 88.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 27.6 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-1-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828872
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 71.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 12.3 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-1-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828873
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 46.6 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-1-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828874
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 83.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 7.4 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-1-T04N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828875
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 84.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 15.6 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-2-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
Matrix (soil/water): SOIL Lab Sample ID: 828876
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 93.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 29.7 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN



QC Summary – Metals

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 519.60 | 103.9 | 200.0 | 198.70 | 99.4 | 200.20 | 100.1 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 200.40 | 100.2 | 200.80 | 100.4 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLYT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|------------|------|-------|----|-----------------------|-------|-------|-------|----|
| | True | Found | %R | Initial | | Final | | |
| | True | Found | %R | True | Found | %R | Found | %R |
| Molybdenum | | | | 10.0 | 12.90 | 129.0 | | |

Control Limits: no limits have been established by EPA at this time

Form IIB-IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137168

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | |
|------------|--------------------------------------|--|-------|-------|---|---|---------|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| | | C | C | C | C | C | C | C | M |
| Molybdenum | 2.0 B | 0.6 B | 0.5 B | 0.5 U | | | 0.047 U | | P |

Form III - IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|------------|--------------------------------------|--|---|---|---|---|---|----------------------|---|---|
| | | 1 | C | 2 | C | 3 | C | | | |
| Molybdenum | | 0.5 | U | | | | | | | P |

Form III - IN

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168ICP ID Number: TJA ICAP 7 ICS Source: Inorganic VenturesConcentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|-------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | 0 | 991.3 | 100.5 | | | |

Form IV - IN

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR3TR1-1-T02N-SOLS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 88.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|---------------------|------|---|---|
| Molybdenum | 80 - 120 | 71.0824 | | 23.7017 | | 51.01 | 92.9 | | P |

Comments:

Form V (PART 1) - IN

USEPA-CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR3TR1-1-T02N-SOLA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|---------------------|------|---|---|
| Molybdenum | | 667.40 | | 234.40 | | 500.0 | 86.6 | | P |

Comments: _____

Form V (PART 2) - IN

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR3TR1-1-T02N-SOLD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 88.3 % Solids for Duplicate: 87.9Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|------------|------------------|------------|---|---------------|---|------|---|---|
| Molybdenum | | 23.7017 | | 27.4925 | | 14.8 | | P |

Form VI - IN

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137168Solid LCS Source: Inorganic VenturesAqueous LCS Source:

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | |
|------------|----------------|-------|----|---------------|-------|---|-------------|-------|
| | True | Found | %R | True | Found | C | Limits | %R |
| Molybdenum | | | | 50.0 | 51.9 | | 40.0 60.0 | 103.8 |

Form VII - IN

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

CVR3TR1-1-T02N-SOLL

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) C | Serial Dilution Result (S) C | % Differ- ence | Q | M |
|------------|-----------------------------------|------------------------------------|-------------------|---|---|
| Molybdenum | 234.40 | 257.70 | 9.9 | | P |

Form IX - IN

USEPA-CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|-----------|---------------------|-------------|----------------|---------------|---|
| Molybdenu | 202.030 | | 10 | 0.47 | P |

Comments: _____

Form X - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 1) - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137168

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137168

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137168

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments: _____

Form XII - IN

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137168Method: P

| EPA Sample No. | Preparation Date | Initial Weight (g) | Volume (mL) |
|---------------------|---------------------|-----------------------|----------------|
| CVR3TR1-1-T01N-SOL | 5/26/2010 | 1.20 | 100.0 |
| CVR3TR1-1-T01N-TLG | 5/26/2010 | 1.22 | 100.0 |
| CVR3TR1-1-T02N-SOL | 5/26/2010 | 1.12 | 100.0 |
| CVR3TR1-1-T02N-SOLD | 5/26/2010 | 1.16 | 100.0 |
| CVR3TR1-1-T02N-SOLS | 5/26/2010 | 1.11 | 100.0 |
| CVR3TR1-1-T03N-SOL | 5/26/2010 | 1.11 | 100.0 |
| CVR3TR1-1-T04D-SOL | 5/26/2010 | 1.24 | 100.0 |
| CVR3TR1-2-T01N-SOL | 5/26/2010 | 1.34 | 100.0 |
| CVR3TR1-2-T01N-TLG | 5/26/2010 | 1.12 | 100.0 |
| CVR3TR1-2-T02N-SOL | 5/26/2010 | 1.16 | 100.0 |
| CVR3TR1-2-T03N-SOL | 5/26/2010 | 1.26 | 100.0 |
| CVR3TR1-2-T04N-SOL | 5/26/2010 | 1.24 | 100.0 |
| CVR3TR1-3-T01N-SOL | 5/26/2010 | 1.12 | 100.0 |
| CVR3TR1-3-T01N-TLG | 5/26/2010 | 1.26 | 100.0 |
| CVR3TR1-3-T02N-SOL | 5/26/2010 | 1.11 | 100.0 |
| CVR3TR1-3-T03N-SOL | 5/26/2010 | 1.20 | 100.0 |
| CVR3TR1-3-T04N-SOL | 5/26/2010 | 1.26 | 100.0 |
| CVR3TR2-1-T01N-SOL | 5/26/2010 | 1.14 | 100.0 |
| CVR3TR2-1-T01N-TLG | 5/26/2010 | 1.11 | 100.0 |
| CVR3TR2-1-T03N-SOL | 5/26/2010 | 1.24 | 100.0 |
| CVR3TR2-1-T04N-SOL | 5/26/2010 | 1.13 | 100.0 |
| CVR3TR2-2-T01N-SOL | 5/26/2010 | 1.11 | 100.0 |
| LCSS052610G | 5/26/2010 | 1.00 | 100.0 |
| PBS052610G | 5/26/2010 | 1.00 | 100.0 |

Form XIII - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137168
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/27/2010 End Date: 5/28/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| CalibStd-Blk | 1.00 | 21:19 | | | | | X | | | | | | | | | | | | |
| STD7 | 1.00 | 21:23 | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 21:27 | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 21:31 | | | | | X | | | | | | | | | | | | |
| ICV | 1.00 | 21:35 | | | | | X | | | | | | | | | | | | |
| ICB | 1.00 | 21:38 | | | | | X | | | | | | | | | | | | |
| ICSA | 1.00 | 21:42 | | | | | X | | | | | | | | | | | | |
| ICSAB | 1.00 | 21:46 | | | | | X | | | | | | | | | | | | |
| CRI | 1.00 | 21:50 | | | | | X | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 21:54 | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 21:58 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 22:02 | | | | | X | | | | | | | | | | | | |
| PBS052610G | 1.00 | 22:05 | | | | | X | | | | | | | | | | | | |
| LCSS052610G | 1.00 | 22:09 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-1-T01N-SOL | 1.00 | 22:13 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-1-T01N-TLG | 1.00 | 22:17 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-1-T02N-SOL | 1.00 | 22:21 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-1-T02N-SOL | 5.00 | 22:25 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-1-T02N-SOL | 1.00 | 22:29 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-1-T02N-SOL | 1.00 | 22:33 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-1-T02N-SOL | 1.00 | 22:37 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-1-T03N-SOL | 1.00 | 22:41 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 22:45 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 22:49 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-1-T04D-SOL | 1.00 | 22:53 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-2-T01N-SOL | 1.00 | 22:57 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-2-T01N-TLG | 1.00 | 23:01 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-2-T02N-SOL | 1.00 | 23:05 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-2-T03N-SOL | 1.00 | 23:09 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-2-T04N-SOL | 1.00 | 23:13 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-3-T01N-SOL | 1.00 | 23:17 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-3-T01N-TLG | 1.00 | 23:21 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-3-T02N-SOL | 1.00 | 23:25 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-3-T03N-SOL | 1.00 | 23:29 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 23:33 | | | | | X | | | | | | | | | | | | |

Form XIV - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137168
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/27/2010 End Date: 5/28/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| CCB | 1.00 | 23:36 | | | | | X | | | | | | | | | | | | |
| CVR3TR1-3-T04N-SOL | 1.00 | 23:40 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-1-T01N-SOL | 1.00 | 23:44 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-1-T01N-TLG | 1.00 | 23:48 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-1-T03N-SOL | 1.00 | 23:52 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-1-T04N-SOL | 1.00 | 23:56 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-2-T01N-SOL | 1.00 | 00:00 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 00:04 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 00:08 | | | | | X | | | | | | | | | | | | |

Form XIV - IN



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: JSW

Date: 5/27/2010

Reviewed by: YES

Date: 5/28/10

QC Review by: SLD

Date: 5-28-10

TJA ICAP 7

ICP METALS 6010 B*

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis | | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----------------|-----------|----------|----|--------|---------------|------------|------------------|
| | Date | Time | | | | | |
| 1. CalibStd-Blk | 5/27/2010 | 21:19:19 | 1 | WATER | 052710-04.txt | | <u>Mo</u> |
| 2. STD7 | 5/27/2010 | 21:23:13 | 1 | WATER | 052710-04.txt | | |
| 3. STD8 | 5/27/2010 | 21:27:05 | 1 | WATER | 052710-04.txt | | |
| 4. STD4 | 5/27/2010 | 21:31:03 | 1 | WATER | 052710-04.txt | | |
| 5. ICV1 | 5/27/2010 | 21:35:04 | 1 | WATER | 052710-04.txt | | |
| 6. ICB1 | 5/27/2010 | 21:38:58 | 1 | WATER | 052710-04.txt | | |
| 7. ICSA1 | 5/27/2010 | 21:42:54 | 1 | WATER | 052710-04.txt | | |
| 8. ICSAB1 | 5/27/2010 | 21:46:43 | 1 | WATER | 052710-04.txt | | |
| 9. CRI1 | 5/27/2010 | 21:50:29 | 1 | WATER | 052710-04.txt | | |
| 10. LRV | 5/27/2010 | 21:54:21 | 1 | WATER | 052710-04.txt | | |
| 11. CCV1 | 5/27/2010 | 21:58:14 | 1 | WATER | 052710-04.txt | | |
| 12. CCB1 | 5/27/2010 | 22:02:02 | 1 | WATER | 052710-04.txt | | |
| 13. PBS052610G | 5/27/2010 | 22:05:56 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 14. LCSS052610G | 5/27/2010 | 22:09:49 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 15. 828857 | 5/27/2010 | 22:13:43 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 16. 828858 | 5/27/2010 | 22:17:45 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 17. 828859 | 5/27/2010 | 22:21:41 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 18. 828859L | 5/27/2010 | 22:25:43 | 5 | WATER | 052710-04.txt | PBICPS0526 | |
| 19. 828859A | 5/27/2010 | 22:29:34 | 1 | WATER | 052710-04.txt | PBICPS0526 | |
| 20. 828859MS | 5/27/2010 | 22:33:31 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 21. 828859DP | 5/27/2010 | 22:37:29 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 22. 828860 | 5/27/2010 | 22:41:28 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 23. CCV2 | 5/27/2010 | 22:45:30 | 1 | WATER | 052710-04.txt | | |
| 24. CCB2 | 5/27/2010 | 22:49:20 | 1 | WATER | 052710-04.txt | | |
| 25. 828861 | 5/27/2010 | 22:53:14 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 26. 828862 | 5/27/2010 | 22:57:13 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 27. 828863 | 5/27/2010 | 23:01:16 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 28. 828864 | 5/27/2010 | 23:05:12 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 29. 828865 | 5/27/2010 | 23:09:14 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 30. 828866 | 5/27/2010 | 23:13:17 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 31. 828867 | 5/27/2010 | 23:17:17 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 32. 828868 | 5/27/2010 | 23:21:12 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 33. 828869 | 5/27/2010 | 23:25:08 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 34. 828870 | 5/27/2010 | 23:29:09 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 35. CCV3 | 5/27/2010 | 23:33:09 | 1 | WATER | 052710-04.txt | | |
| 36. CCB3 | 5/27/2010 | 23:36:58 | 1 | WATER | 052710-04.txt | | |
| 37. 828871 | 5/27/2010 | 23:40:53 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 38. 828872 | 5/27/2010 | 23:44:53 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 39. 828873 | 5/27/2010 | 23:48:54 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 40. 828874 | 5/27/2010 | 23:52:51 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 41. 828875 | 5/27/2010 | 23:56:52 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 42. 828876 | 5/28/2010 | 00:00:54 | 1 | SOIL | 052710-04.txt | PBICPS0526 | |
| 43. CCV4 | 5/28/2010 | 00:04:57 | 1 | WATER | 052710-04.txt | | |
| 44. CCB4 | 5/28/2010 | 00:08:45 | 1 | WATER | 052710-04.txt | | |

* SLD
5-28-10

Analytical Review Report

Data File: 052710-04.txt

Date Printed: 5/28/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/27/2010

Analysis End Date: 5/28/2010

Start Time: 21:19:1

End Time: 00:08:4

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|---------|--------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 8.76 | 0.0002 | | | | |
| STD4 | 1 | | 0.824 | 0.000 | 0.000 | 0.44 | 0.82 | | | | |
| ICV1 | 1 | PASS | 519.600 | 518.100 | 521.100 | 0.41 | 519.60 | 103.9- | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 1.997 | 2.565 | 1.429 | 40.23 | 2.0 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | -0.200 | 0.055 | -0.455 | 180.20 | 0 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 991.300 | 989.300 | 993.200 | 0.28 | 991.3 | 100.5- | 986 | 80 | 120 |
| CRII | 1 | PASS | 12.900 | 13.250 | 12.540 | 3.86 | 12.90 | 129.0- | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 198.700 | 198.000 | 199.500 | 0.52 | 198.70 | 99.4- | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.616 | 1.031 | 0.202 | 95.14 | 0.6 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 200.200 | 199.700 | 200.700 | 0.35 | 200.20 | 100.1- | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.522 | 0.885 | 0.159 | 98.38 | 0.5 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 200.400 | 199.700 | 201.100 | 0.46 | 200.40 | 100.2- | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.442 | 0.774 | 0.110 | 106.30 | 0.4 | | | | +/-10.00 |
| CCV4 | 1 | PASS | 200.800 | 200.000 | 201.700 | 0.60 | 200.80 | 100.4- | 200.0 | 90 | 110 |
| CCB4 | 1 | PASS | 0.403 | 0.560 | 0.246 | 55.06 | 0.4 | | | | +/-10.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| LRV | 1 | PASS | -1.158 | -1.504 | -0.813 | 42.23 | -1.2 | | | | |
| PBS052610G | 1 | PASS | 0.341 | 0.324 | 0.358 | 7.12 | 0.034 | | | | +/-10.00 |
| LCSS052610G | 1 | PASS | 518.700 | 517.100 | 520.300 | 0.43 | 51.9 | 103.8 | 50.0 | 40.0 | 60.0 |
| 828857 | 1 | PASS | 130.300 | 129.700 | 131.000 | 0.67 | 12.9 | | | | |
| 828858 | 1 | PASS | 1030.000 | 1028.000 | 1032.000 | 0.23 | 87.6 | | | | |
| 828859 | 1 | PASS | 234.400 | 235.100 | 233.700 | 0.42 | 23.7 | | | | |
| 828859L | 5 | PASS | 257.700 | 258.300 | 257.000 | 0.37 | 257.70 | | | | |
| 828859A | 1 | PASS | 667.400 | 666.300 | 668.500 | 0.23 | 667.40 | 86.6- | 500.0 | 80 | 120 |
| 828859MS | 1 | PASS | 696.700 | 695.700 | 697.800 | 0.21 | 71.0824 | 92.9- | 51.01 | 80 | 120 |
| 828859DP | 1 | PASS | 281.600 | 281.800 | 281.400 | 0.10 | 27.4925 | | | | |
| 828860 | 1 | PASS | 415.300 | 414.400 | 416.200 | 0.30 | 42.2 | | | | |
| 828861 | 1 | PASS | 348.100 | 347.900 | 348.300 | 0.08 | 31.5 | | | | |
| 828862 | 1 | PASS | 98.690 | 98.790 | 98.580 | 0.15 | 8.0 | | | | |
| 828863 | 1 | PASS | 598.700 | 597.100 | 600.300 | 0.38 | 55.7 | | | | |
| 828864 | 1 | PASS | 210.900 | 210.700 | 211.100 | 0.12 | 20.5 | | | | |
| 828865 | 1 | PASS | 242.400 | 241.900 | 242.900 | 0.29 | 21.3 | | | | |
| 828866 | 1 | PASS | 166.900 | 167.200 | 166.600 | 0.26 | 15.6 | | | | |
| 828867 | 1 | PASS | 65.820 | 65.480 | 66.160 | 0.74 | 7.1 | | | | |
| 828868 | 1 | PASS | 1106.000 | 1103.000 | 1109.000 | 0.39 | 92.5 | | | | |
| 828869 | 1 | PASS | 403.400 | 403.900 | 402.800 | 0.20 | 39.0 | | | | |
| 828870 | 1 | PASS | 234.500 | 234.600 | 234.400 | 0.08 | 22.5 | | | | |
| 828871 | 1 | PASS | 308.500 | 308.200 | 308.700 | 0.14 | 27.6 | | | | |
| 828872 | 1 | PASS | 100.200 | 100.600 | 99.760 | 0.57 | 12.3 | | | | |
| 828873 | 1 | PASS | 493.300 | 491.100 | 495.500 | 0.64 | 46.6 | | | | |
| 828874 | 1 | PASS | 76.620 | 76.990 | 76.240 | 0.70 | 7.4 | | | | |
| 828875 | 1 | PASS | 149.100 | 148.400 | 149.700 | 0.61 | 15.6 | | | | |
| 828876 | 1 | PASS | 307.600 | 307.800 | 307.300 | 0.12 | 29.7 | | | | |

Sample Name: CalibStd-Blk Acquired: 5/27/2010 21:19:19 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0046 | -0.0001 | .0005 | .0006 | -0.0003 |
| Stddev | .0037 | .0000 | .0001 | .0004 | .0007 |
| %RSD | 79.95 | 31.57 | 22.06 | 61.76 | 230.2 |
| #1 | -0.0020 | -0.0001 | .0005 | .0003 | -0.0008 |
| #2 | -0.0072 | -0.0002 | .0004 | .0009 | .0002 |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0013 | .0009 | -0.0031 | -0.0035 | -0.0005 |
| Stddev | .0002 | .0002 | .0005 | .0003 | .0000 |
| %RSD | 15.59 | 23.57 | 16.87 | 9.029 | 6.310 |
| #1 | -0.0011 | .0007 | -0.0034 | -0.0037 | -0.0005 |
| #2 | -0.0014 | .0010 | -0.0027 | -0.0032 | -0.0005 |
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0543 | -0.0100 | -0.0316 | -0.0004 | .0036 |
| Stddev | .0010 | .0008 | .0040 | .0003 | .0003 |
| %RSD | 1.907 | 8.259 | 12.59 | 71.38 | 9.350 |
| #1 | .0536 | -0.0094 | -0.0344 | -0.0006 | .0033 |
| #2 | .0551 | -0.0106 | -0.0288 | -0.0002 | .0038 |

Sample Name: CalibStd-Blk Acquired: 5/27/2010 21:19:19 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|---------------|----------------|----------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0002 | -0.0378 | .0038 | -0.0002 | -0.0003 |
| Stddev | .0000 | .0035 | .0005 | .0002 | .0000 |
| %RSD | 8.755 | 9.249 | 12.39 | 111.7 | 11.70 |
| #1 | .0002 | -0.0353 | .0041 | .0000 | -0.0003 |
| #2 | .0002 | -0.0403 | .0035 | -0.0003 | -0.0002 |
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0003 | .0018 | .0802 | .0001 | .0163 |
| Stddev | .0000 | .0003 | .0061 | .0000 | .0002 |
| %RSD | 14.78 | 17.95 | 7.608 | 15.47 | 1.338 |
| #1 | .0003 | .0020 | .0845 | .0001 | .0165 |
| #2 | .0003 | .0016 | .0758 | .0001 | .0162 |
| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | |
| Avg | -0.0097 | -0.0002 | -0.0006 | .0026 | |
| Stddev | .0023 | .0015 | .0014 | .0000 | |
| %RSD | 23.97 | 870.7 | 254.5 | .3834 | |
| #1 | -0.0113 | -0.0012 | .0004 | .0026 | |
| #2 | -0.0080 | .0009 | -0.0016 | .0026 | |

Sample Name: CalibStd-Blk Acquired: 5/27/2010 21:19:19 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 463.83 | 4057.2 | 4246.7 | 4790.9 |
| Stddev | .08 | 2.3 | 4.8 | 20.4 |
| %RSD | .01677 | .05645 | .11245 | .42581 |
| #1 | 463.78 | 4055.6 | 4243.3 | 4805.4 |
| #2 | 463.89 | 4058.8 | 4250.0 | 4776.5 |

Analyst: JSW

Sample Name: STD7 Acquired: 5/27/2010 21:23:13 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|-----------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 { 85} | 318.128 {106} | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.849 | .8216 | 9.191 | 1.856 | .9497 |
| Stddev | .001 | .0010 | .032 | .002 | .0013 |
| %RSD | .0499 | .1262 | .3520 | .0889 | .1353 |
| #1 | 2.850 | .8208 | 9.214 | 1.855 | .9506 |
| #2 | 2.848 | .8223 | 9.168 | 1.857 | .9488 |
| Elem | Na-LL | | | | |
| Line | 589.592 { 57} | | | | |
| IS Ref | (Y_HWRD) | | | | |
| Units | Cts/S | | | | |
| Avg | 6.283 | | | | |
| Stddev | .002 | | | | |
| %RSD | .0333 | | | | |
| #1 | 6.281 | | | | |
| #2 | 6.284 | | | | |
| Int. Std. | Y_HWAX | Y_HWRD | | | |
| Line | 224.306 {150} | 371.030 { 91} | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 3941.0 | 4742.9 | | | |
| Stddev | 20.9 | 21.6 | | | |
| %RSD | .52965 | .45597 | | | |
| #1 | 3926.2 | 4727.6 | | | |
| #2 | 3955.7 | 4758.2 | | | |

Sample Name: STD8 Acquired: 5/27/2010 21:27:05 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|-----------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 {479} | 220.353 {453} | 206.833 {463} | 196.090 {472} | 189.989 {477}2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0601 | 3.070 | .0759 | .0441 | .1871 |
| Stddev | .0004 | .004 | .0003 | .0006 | .0001 |
| %RSD | .7155 | .1215 | .3812 | 1.425 | .0486 |
| #1 | .0598 | 3.067 | .0756 | .0436 | .1870 |
| #2 | .0604 | 3.072 | .0761 | .0445 | .1871 |
| Elem | Ti-LL | | | | |
| Line | 190.856 {477} | | | | |
| IS Ref | (In2306) | | | | |
| Units | Cts/S | | | | |
| Avg | .9258 | | | | |
| Stddev | .0013 | | | | |
| %RSD | .1387 | | | | |
| #1 | .9249 | | | | |
| #2 | .9267 | | | | |
| Int. Std. | In2306 | Y_-LWAX | | | |
| Line | 230.606 {446} | 224.306 {450} | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 461.41 | 4264.7 | | | |
| Stddev | .81 | 8.7 | | | |
| %RSD | .17449 | .20477 | | | |
| #1 | 461.97 | 4270.9 | | | |
| #2 | 460.84 | 4258.5 | | | |

Sample Name: STD4 Acquired: 5/27/2010 21:31:03 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | B -LL | Ba-LL | Be-LL | Cd-HL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 208.959 {461} | 233.527 {144} | 313.042 {108} | 228.802 {447} |
| IS Ref | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.267 | .3415 | .0908 | 2.543 | .9174 |
| Stddev | .005 | .0013 | .0004 | .004 | .0021 |
| %RSD | .2076 | .3801 | .4364 | .1595 | .2258 |
| #1 | 2.271 | .3406 | .0905 | 2.546 | .9159 |
| #2 | 2.264 | .3424 | .0911 | 2.540 | .9188 |

| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
|--------|---------------|---------------|----------------|----------------|---------------|
| Line | 228.616 {447} | 205.552 {464} | 324.754 {104}2 | 257.610 {131}2 | 202.030 {467} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.001 | 1.525 | 7.107 | 24.47 | .8238 |
| Stddev | .003 | .003 | .018 | .11 | .0036 |
| %RSD | .2548 | .2203 | .2479 | .4333 | .4373 |
| #1 | .9990 | 1.523 | 7.119 | 24.55 | .8212 |
| #2 | 1.003 | 1.528 | 7.094 | 24.40 | .8263 |

| Elem | Ni-LL | P -HL | Si-LL | Sr-LL | Ti-LL |
|--------|---------------|---------------|---------------|---------------|----------------|
| Line | 231.604 {445} | 178.284 {489} | 288.158 {117} | 407.771 { 83} | 334.904 {101}2 |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .5921 | .0788 | 4.577 | 79.61 | 5.309 |
| Stddev | .0017 | .0003 | .015 | .53 | .008 |
| %RSD | .2801 | .4108 | .3304 | .6684 | .1508 |
| #1 | .5910 | .0786 | 4.588 | 79.24 | 5.315 |
| #2 | .5933 | .0791 | 4.567 | 79.99 | 5.304 |

Sample Name: STD4 Acquired: 5/27/2010 21:31:03 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | V -LL | Zn-LL2 |
|--------|----------------|---------------|
| Line | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S |
| Avg | 3.603 | 3.362 |
| Stddev | .017 | .011 |
| %RSD | .4709 | .3236 |
| #1 | 3.615 | 3.354 |
| #2 | 3.591 | 3.370 |

| Int. Std. | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|
| Line | 224.306 {150} | 224.306 {450} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 4074.3 | 4248.1 | 4840.3 |
| Stddev | 32.7 | 2.3 | 42.9 |
| %RSD | .80334 | .05455 | .88676 |
| #1 | 4051.1 | 4249.7 | 4870.6 |
| #2 | 4097.4 | 4246.5 | 4809.9 |

Sample Name: ICV Acquired: 5/27/2010 21:35:04 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 491.6 | 26300. | 261.3 | 506.2 | 496.9 |
| Stddev | .4 | 10. | .2 | 3.0 | .6 |
| %RSD | .0874 | .0398 | .0629 | .5844 | .1128 |
| #1 | 491.3 | 26310. | 261.4 | 504.1 | 497.3 |
| #2 | 491.9 | 26290. | 261.2 | 508.3 | 496.5 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 516.7 | 25450. | 488.1 | 485.3 | 492.7 |
| Stddev | 1.4 | 50. | .4 | .7 | .6 |
| %RSD | .2723 | .1971 | .0827 | .1434 | .1208 |
| #1 | 517.7 | 25410. | 487.8 | 484.8 | 492.3 |
| #2 | 515.7 | 25480. | 488.3 | 485.8 | 493.1 |

Check ?
 High Limit
 Low Limit

Sample Name: ICV Acquired: 5/27/2010 21:35:04 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 474.8 | 26020. | 26070. | 25040. | 483.4 |
| Stddev | .6 | 55. | 55. | 49. | .5 |
| %RSD | .1355 | .2113 | .2094 | .1946 | .1001 |
| #1 | 474.3 | 25980. | 26110. | 25080. | 483.1 |
| #2 | 475.2 | 26060. | 26030. | 25010. | 483.8 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 519.6 | 25300. | 475.2 | 520.2 | 1015. |
| Stddev | 2.1 | 31. | 1.0 | .3 | 7. |
| %RSD | .4101 | .1216 | .2114 | .0568 | .6811 |
| #1 | 518.1 | 25320. | 474.5 | 520.4 | 1011. |
| #2 | 521.1 | 25270. | 475.9 | 519.9 | 1020. |

Check ?
 High Limit
 Low Limit

Sample Name: ICV Acquired: 5/27/2010 21:35:04 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 252.2 | 253.0 | 266.4 | 231.0 | 495.7 |
| Stddev | 2.9 | 4.4 | 5.4 | .9 | 4.1 |
| %RSD | 1.158 | 1.744 | 2.008 | .3715 | .8189 |
| #1 | 250.1 | 249.9 | 270.2 | 230.4 | 492.8 |
| #2 | 254.3 | 256.1 | 262.7 | 231.6 | 498.6 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 508.2 | 249.4 | 511.7 | 508.7 |
| Stddev | .3 | .0 | 2.1 | .1 |
| %RSD | .0594 | .0036 | .4142 | .0177 |
| #1 | 507.9 | 249.4 | 510.2 | 508.8 |
| #2 | 508.4 | 249.5 | 513.2 | 508.7 |

Check ?
 High Limit
 Low Limit

Sample Name: ICV Acquired: 5/27/2010 21:35:04 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 426.90 | 3958.2 | 4150.7 | 4719.0 |
| Stddev | .38 | 8.2 | 19.4 | 10.1 |
| %RSD | .08813 | .20751 | .46721 | .21351 |
| #1 | 427.17 | 3952.4 | 4137.0 | 4711.9 |
| #2 | 426.64 | 3964.0 | 4164.4 | 4726.1 |

Sample Name: ICB Acquired: 5/27/2010 21:38:58 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0610 | 10.80 | 2.326 | 1.585 | 3.814 |
| Stddev | .8127 | 9.54 | .124 | 1.396 | .001 |
| %RSD | 1333. | 88.28 | 5.336 | 88.08 | .0303 |

#1 -6357 4.059 2.238 2.572 3.814
 #2 .5137 17.54 2.413 .5978 3.815

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3566 | 19.54 | .1405 | .1983 | .4202 |
| Stddev | .1149 | 80.08 | .0324 | .3835 | .0741 |
| %RSD | 32.23 | 409.7 | 23.07 | 193.4 | 17.64 |

#1 .2753 -37.08 .1635 -.0728 .4726
 #2 .4378 76.17 .1176 .4695 .3678

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICB Acquired: 5/27/2010 21:38:58 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6049 | 18.86 | 85.18 | 5.976 | .1491 |
| Stddev | .1860 | 3.56 | 77.85 | 78.96 | .0625 |
| %RSD | 30.75 | 18.88 | 91.40 | 1321. | 41.90 |

#1 .4734 16.35 140.2 -49.86 .1932
 #2 .7365 21.38 30.13 61.81 .1049

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.997 | 18.79 | -.2595 | -3.804 | -2.463 |
| Stddev | .803 | 8.94 | .1033 | .415 | 1.780 |
| %RSD | 40.23 | 47.58 | 39.82 | 10.92 | 72.29 |

#1 2.565 25.11 -.1865 -3.510 -3.722
 #2 1.429 12.47 -.3326 -4.097 -1.204

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICB Acquired: 5/27/2010 21:38:58 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9146 | .3955 | -1.452 | 1.003 | .2314 |
| Stddev | .7221 | 1.063 | 3.803 | .045 | .0255 |
| %RSD | 78.95 | 268.9 | 261.9 | 4.462 | 11.02 |

#1 -.4040 -.3564 1.237 1.035 .2494
 #2 -1.425 1.147 -4.141 .9714 .2134

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .4839 | 1.281 | -.0879 | .2423 |
| Stddev | .1059 | .097 | .2134 | .0893 |
| %RSD | 21.88 | 7.545 | 242.8 | 36.87 |

#1 .4090 1.349 -.2388 .3055
 #2 .5588 1.212 .0630 .1791

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICB Acquired: 5/27/2010 21:38:58 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 459.79 | 4009.1 | 4213.7 | 4743.2 |
| Stddev | .82 | 11.7 | 1.8 | 9.7 |
| %RSD | .17792 | .29078 | .04165 | .20535 |

#1 460.37 4017.3 4215.0 4750.1
 #2 459.21 4000.8 4212.5 4736.3

UCL 5477.81
 LCL 2949.59

Sample Name: ICSA Acquired: 5/27/2010 21:42:54 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.901 | 509200. | 2.731 | -2172 | 3.899 |
| Stddev | 1.301 | 942 | 1.429 | 1.460 | 4.544 |
| %RSD | 68.42 | .1850 | 52.33 | 672.4 | 116.5 |

#1 -2.821 509800. 1.721 .8154 .6859
 #2 -.9814 508500. 3.742 -1.250 7.113

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.1658 | 491100. | .7657 | 2.203 | 7.837 |
| Stddev | .0059 | 2003. | .0387 | .084 | .188 |
| %RSD | 3.588 | .4078 | 5.056 | 3.806 | 2.399 |

#1 -.1700 492500. .7383 2.262 7.704
 #2 -.1616 489700. .7930 2.144 7.970

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/27/2010 21:42:54 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.8481 | 193700. | 26.93 | 488800. | .9706 |
| Stddev | .1740 | 325. | 154.5 | 1502. | .0257 |
| %RSD | 20.52 | .1678 | 573.9 | .3073 | 2.644 |

#1 -.7250 193900. 136.2 489900. .9524
 #2 -.9711 193400. -82.35 487700. .9887

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1999 | 40.58 | -7.795 | -.3507 | 2.409 |
| Stddev | .3602 | 24.87 | 1.685 | .8655 | 1.518 |
| %RSD | 180.2 | 61.28 | 21.62 | 246.8 | 63.01 |

#1 .0548 22.99 -6.603 -.9627 3.482
 #2 -.4546 58.16 -8.986 .2613 1.336

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/27/2010 21:42:54 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.812 | -2.865 | 6.102 | -.1913 | 15.78 |
| Stddev | 1.918 | 2.711 | 2.928 | 1.678 | .03 |
| %RSD | 19.55 | 94.61 | 47.99 | 876.9 | .1727 |

#1 -8.456 -.9484 8.172 .9950 15.76
 #2 -11.17 -4.782 4.031 -1.378 15.80

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.022 | 5.624 | -3.842 | -4.694 |
| Stddev | .156 | 2.145 | 1.360 | .305 |
| %RSD | 2.594 | 38.13 | 35.40 | 6.507 |

#1 5.912 7.140 -2.880 -4.910
 #2 6.133 4.107 -4.803 -4.478

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/27/2010 21:42:54 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 358.23 | 3601.4 | 3758.4 | 4511.9 |
| Stddev | 2.04 | 1.5 | 3.5 | 15.4 |
| %RSD | .56977 | .04147 | .09242 | .34067 |

#1 356.79 3600.4 3755.9 4522.7
 #2 359.68 3602.5 3760.8 4501.0

Check ?
 High Limit
 Low Limit

Sample Name: ICSAB Acquired: 5/27/2010 21:46:43 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 192.1 | 505400. | 92.51 | 1423. | 459.7 |
| Stddev | .4 | 2874. | 1.38 | 4. | 7.8 |
| %RSD | .2220 | .5687 | 1.486 | .2728 | 1.706 |

#1 191.8 503400. 91.53 1420. 465.2
 #2 192.4 507400. 93.48 1425. 454.1

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 500.9 | 487100. | 960.9 | 451.9 | 482.7 |
| Stddev | 2.3 | 2243. | 1.6 | .2 | .5 |
| %RSD | .4597 | .4605 | .1708 | .0499 | .1008 |

#1 499.3 485500. 962.1 452.1 482.4
 #2 502.6 488700. 959.8 451.8 483.0

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: ICSAB Acquired: 5/27/2010 21:46:43 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 477.8 | 193600. | 86.04 | 481600. | 471.6 |
| Stddev | 2.9 | 662. | 47.17 | 2421. | 1.6 |
| %RSD | .6083 | .3417 | 54.83 | .5026 | .3455 |

#1 479.9 194100. 119.4 479900. 472.7
 #2 475.8 193200. 52.68 483400. 470.4

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 991.3 | 5.246 | 886.6 | 504.7 | 50.06 |
| Stddev | 2.7 | 20.54 | 1.1 | 1.4 | 6.10 |
| %RSD | .2772 | 391.5 | .1290 | .2687 | 12.18 |

#1 989.3 19.77 887.4 503.7 54.37
 #2 993.2 -9.277 885.8 505.7 45.75

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: ICSAB Acquired: 5/27/2010 21:46:43 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 565.8 | 37.64 | 998.2 | 1380. | 247.0 |
| Stddev | 1.5 | 10.03 | 12.6 | 1. | 1.5 |
| %RSD | .2592 | 26.64 | 1.260 | .0859 | .5978 |

#1 564.8 44.73 1007. 1381. 246.0
 #2 566.9 30.55 989.3 1379. 248.1

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 499.0 | 93.08 | 506.1 | 984.9 |
| Stddev | 1.5 | 2.74 | 3.7 | .5 |
| %RSD | .2968 | 2.938 | .7227 | .0546 |

#1 500.1 91.14 508.7 985.3
 #2 498.0 95.01 503.5 984.5

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: ICSAB Acquired: 5/27/2010 21:46:43 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 357.84 | 3607.1 | 3759.4 | 4507.1 |
| Stddev | .27 | 1.9 | 6.0 | 43.3 |
| %RSD | .07651 | .05291 | .15857 | .96065 |

#1 358.03 3605.7 3755.2 4537.7
 #2 357.64 3608.4 3763.6 4476.4

Sample Name: CRI Acquired: 5/27/2010 21:50:29 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.794 | 275.0 | 10.90 | 103.0 | 194.2 |
| Stddev | .825 | 15.8 | 2.29 | .2 | 3.1 |
| %RSD | 8.418 | 5.740 | 20.99 | .2320 | 1.609 |
| #1 | 9.211 | 263.9 | 9.285 | 103.2 | 196.4 |
| #2 | 10.38 | 286.2 | 12.52 | 102.8 | 192.0 |

Check ?
High Limit
Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.271 | 5012. | 5.009 | 49.30 | 10.35 |
| Stddev | .263 | 32. | .153 | .27 | .23 |
| %RSD | 4.989 | .6451 | 3.063 | .5486 | 2.204 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 5.085 | 4989. | 4.900 | 49.49 | 10.51 |
| #2 | 5.457 | 5034. | 5.117 | 49.11 | 10.18 |

Check ?
High Limit
Low Limit

Sample Name: CRI Acquired: 5/27/2010 21:50:29 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.99 | 261.1 | 5175. | 5184. | 14.94 |
| Stddev | .18 | 6.6 | 176. | 2. | .11 |
| %RSD | .7299 | 2.515 | 3.395 | .0415 | .7608 |
| #1 | 24.12 | 256.4 | 5299. | 5186. | 14.86 |
| #2 | 23.87 | 265.7 | 5051. | 5183. | 15.02 |

Check ?
High Limit
Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.90 | 5086. | 39.58 | 255.8 | 8.609 |
| Stddev | .50 | 22. | .12 | .4 | 1.069 |
| %RSD | 3.857 | .4415 | .2978 | .1404 | 12.41 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 13.25 | 5071. | 39.67 | 256.0 | 7.854 |
| #2 | 12.54 | 5102. | 39.50 | 255.5 | 9.365 |

Check ?
High Limit
Low Limit

Sample Name: CRI Acquired: 5/27/2010 21:50:29 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 59.97 | 32.17 | 102.4 | 18.64 | 20.82 |
| Stddev | .43 | .58 | 6.3 | 1.04 | .17 |
| %RSD | .7217 | 1.811 | 6.147 | 5.586 | .8268 |
| #1 | 59.66 | 31.76 | 106.9 | 17.90 | 20.70 |
| #2 | 60.28 | 32.58 | 97.97 | 19.38 | 20.94 |

Check ?
High Limit
Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.03 | 25.52 | 50.29 | 20.54 |
| Stddev | .12 | .58 | .09 | .31 |
| %RSD | .5883 | 2.276 | .1872 | 1.489 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 19.94 | 25.93 | 50.23 | 20.32 |
| #2 | 20.11 | 25.11 | 50.36 | 20.76 |

Check ?
High Limit
Low Limit

Sample Name: CRI Acquired: 5/27/2010 21:50:29 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 450.23 | 3998.7 | 4175.3 | 4684.9 |
| Stddev | .37 | 9.1 | 2.6 | 16.6 |
| %RSD | .08323 | .22842 | .06311 | .35507 |
| #1 | 450.50 | 3992.3 | 4177.2 | 4696.7 |
| #2 | 449.97 | 4005.2 | 4173.4 | 4673.2 |

Sample Name: LRV Acquired: 5/27/2010 21:54:21 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.846 | 592400. | 2059. | .3198 | 3740. |
| Stddev | .094 | 112. | 9. | 1.135 | 6. |
| %RSD | 3.284 | .0189 | .4583 | 354.8 | .1614 |
| #1 | -2.913 | 592500. | 2066. | 1.122 | 3744. |
| #2 | -2.780 | 592300. | 2053. | -.4826 | 3735. |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1958. | 562100. | 1899. | F 3538. | 3803. |
| Stddev | 2. | 58. | 3. | 4. | 6. |
| %RSD | .0832 | .0103 | .1445 | .1049 | .1473 |

#1 1957. 562000. 1901. 3540. 3807.
 #2 1959. 562100. 1897. 3535. 3799.

Check ?
 High Limit
 Low Limit

Sample Name: LRV Acquired: 5/27/2010 21:54:21 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4026. | 284600. | 104400. | 557500. | 3715. |
| Stddev | .0041 | .0712 | .272. | 36. | 3. |
| %RSD | | | .2601 | .0064 | .0686 |
| #1 | 4026. | 284400. | 104600. | 557500. | 3717. |
| #2 | 4026. | 284700. | 104200. | 557500. | 3713. |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.158 | 100500. | F 3485. | -3.453 | 3924. |
| Stddev | .489 | 324. | 2. | .724 | 23. |
| %RSD | 42.23 | .3226 | .0616 | 20.98 | .5937 |

#1 -1.504 100800. 3487. -2.941 3941.
 #2 -8.125 100300. 3484. -3.965 3908.

Check ?
 High Limit
 Low Limit

Sample Name: LRV Acquired: 5/27/2010 21:54:21 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3894. | 1897. | 48.72 | 2.187 | 3.688 |
| Stddev | 8. | 3. | 1.23 | .636 | .016 |
| %RSD | .2000 | .1500 | 2.532 | 29.09 | .4276 |

#1 3899. 1899. 49.60 1.737 3.699
 #2 3888. 1895. 47.85 2.637 3.676

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.841 | 1862. | 4011. | 3987. |
| Stddev | .135 | 8. | 3. | 9. |
| %RSD | 1.973 | .4546 | .0653 | .2186 |

#1 6.936 1868. 4009. 3993.
 #2 6.745 1856. 4013. 3981.

Check ?
 High Limit
 Low Limit

Sample Name: LRV Acquired: 5/27/2010 21:54:21 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 353.92 | 3490.2 | 3634.0 | 4495.9 |
| Stddev | 2.35 | 8.0 | 5.1 | 7.1 |
| %RSD | .66283 | .22983 | .13984 | .15838 |

#1 352.26 3495.9 3630.4 4490.9
 #2 355.58 3484.6 3637.6 4501.0

Sample Name: CCV Acquired: 5/27/2010 21:58:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 95.93 | 30010. | 101.0 | 713.0 | 193.5 |
| Stddev | .35 | 87. | 3.0 | 3.1 | .0 |
| %RSD | .3627 | .2883 | 2.992 | .4377 | .0000 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 95.69 | 30070. | 103.2 | 710.8 | 193.5 |
| #2 | 96.18 | 29940. | 98.90 | 715.3 | 193.5 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.0 | 29570. | 97.37 | 190.0 | 195.2 |
| Stddev | .1 | 39. | .46 | .1 | .3 |
| %RSD | .0862 | .1303 | .4768 | .0642 | .1723 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 101.0 | 29600. | 97.04 | 189.9 | 194.9 |
| #2 | 101.1 | 29540. | 97.70 | 190.0 | 195.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 21:58:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 187.2 | 29980. | 29760. | 29800. | 189.7 |
| Stddev | 1.0 | 22. | 40. | 59. | .0 |
| %RSD | .5533 | .0737 | .1336 | .1988 | .0007 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 188.0 | 29990. | 29730. | 29760. | 189.7 |
| #2 | 186.5 | 29960. | 29790. | 29840. | 189.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.7 | 29950. | 188.0 | 202.0 | 397.0 |
| Stddev | 1.0 | 7. | .7 | 2.0 | 3.2 |
| %RSD | .5241 | .0221 | .3742 | 1.000 | .8107 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 198.0 | 29960. | 188.5 | 203.4 | 394.7 |
| #2 | 199.5 | 29950. | 187.5 | 200.6 | 399.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 21:58:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 292.3 | 98.84 | 997.0 | 193.2 | 297.3 |
| Stddev | 1.3 | 2.32 | 2.0 | 1.1 | .2 |
| %RSD | .4392 | 2.351 | .2011 | .5912 | .0632 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 291.4 | 97.20 | 998.4 | 194.0 | 297.1 |
| #2 | 293.2 | 100.5 | 995.6 | 192.4 | 297.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 394.2 | 102.8 | 200.8 | 199.1 |
| Stddev | .4 | .1 | .2 | .0 |
| %RSD | .0950 | .1103 | .0851 | .0089 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 394.0 | 102.9 | 200.9 | 199.1 |
| #2 | 394.5 | 102.7 | 200.6 | 199.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 21:58:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y.-HWAX | Y.-LWAX | Y.-HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 418.96 | 3911.1 | 4087.5 | 4636.5 |
| Stddev | .33 | 2.9 | 4.5 | 5.0 |
| %RSD | .07885 | .07467 | .10950 | .10707 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 418.73 | 3913.1 | 4084.4 | 4640.0 |
| #2 | 419.19 | 3909.0 | 4090.7 | 4633.0 |

Sample Name: CCB Acquired: 5/27/2010 22:02:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7660 | -1.142 | 1.035 | 2.614 | 3.880 |
| Stddev | 1.253 | 54.41 | 1.139 | .825 | .085 |
| %RSD | 163.6 | 4764. | 110.0 | 31.54 | 2.195 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | .1199 | 37.33 | .2300 | 3.197 | 3.940 |
| #2 | -1.652 | -39.62 | 1.840 | 2.031 | 3.820 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1910 | -65.98 | -0.0528 | -2.2200 | .2278 |
| Stddev | .0587 | 39.40 | .2079 | .0589 | .1066 |
| %RSD | 30.71 | 59.73 | 394.1 | 26.76 | 46.78 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -.2325 | -93.84 | .0943 | -.2617 | .1524 |
| #2 | -.1495 | -38.11 | -.1998 | -.1784 | .3031 |

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/27/2010 22:02:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7401 | -9361 | -4.168 | .8384 | -.0056 |
| Stddev | 1.666 | 3.306 | .607 | .1454 | .0013 |
| %RSD | 225.1 | 353.2 | 14.56 | 17.34 | 22.55 |

| | | | | | |
|----|--------|--------|--------|-------|--------|
| #1 | -1.918 | -3.274 | -3.739 | .9412 | -.0047 |
| #2 | .4380 | 1.402 | -4.597 | .7356 | -.0065 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0949 | -.3491 | .3432 | -.1358 |
| Stddev | .0228 | 1.753 | .2706 | .0259 |
| %RSD | 24.03 | 502.2 | 78.83 | 19.08 |

| | | | | |
|----|--------|--------|-------|--------|
| #1 | -.0788 | -1.589 | .5346 | -.1541 |
| #2 | -.1110 | .8904 | .1519 | -.1175 |

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/27/2010 22:02:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2546 | 11.31 | 72.65 | -3.349 | -.0446 |
| Stddev | .9635 | 12.15 | 51.02 | 17.87 | .0078 |
| %RSD | 378.5 | 107.5 | 70.22 | 533.7 | 17.48 |

| | | | | | |
|----|--------|-------|-------|--------|--------|
| #1 | .4267 | 19.90 | 108.7 | 9.289 | -.0391 |
| #2 | -.9359 | 2.715 | 36.58 | -15.99 | -.0501 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6161 | 8.263 | -.1280 | -2.110 | -2.150 |
| Stddev | .5861 | 39.71 | .1574 | 1.657 | .221 |
| %RSD | 95.14 | 480.6 | 123.0 | 78.53 | 10.28 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | 1.031 | -19.82 | -.0167 | -.9385 | -2.307 |
| #2 | .2016 | 36.34 | -.2393 | -3.282 | -1.994 |

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/27/2010 22:02:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 455.64 | 3982.4 | 4168.6 | 4662.8 |
| Stddev | .61 | 4.8 | 6.9 | 17.9 |
| %RSD | .13454 | .11958 | .16655 | .38329 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 455.21 | 3979.0 | 4173.5 | 4650.1 |
| #2 | 456.07 | 3985.8 | 4163.7 | 4675.4 |

Sample Name: PBS052610G Acquired: 5/27/2010 22:05:56 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.0000 | -11.72 | .1354 | 2.040 | -.9978 |
| Stddev | .1415 | 9.16 | 1.460 | .732 | 3.707 |
| %RSD | 14.16 | 78.16 | 1079. | 35.89 | 371.5 |

| | | | | | |
|----|--------|--------|--------|-------|--------|
| #1 | -1.100 | -18.20 | -.8973 | 2.557 | 1.624 |
| #2 | -.8999 | -5.245 | 1.168 | 1.522 | -3.619 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2131 | -48.52 | .0935 | .0559 | .4368 |
| Stddev | .0427 | 29.18 | .0101 | .3076 | .3541 |
| %RSD | 20.02 | 60.13 | 10.83 | 550.5 | 81.08 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -.1829 | -69.15 | .0863 | .2734 | .6872 |
| #2 | -.2432 | -27.89 | 1.007 | -.1616 | .1864 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: PBS052610G Acquired: 5/27/2010 22:05:56 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0125 | 46.44 | 98.52 | 15.71 | .2935 |
| Stddev | .0081 | 3.65 | 5.56 | 28.38 | .0964 |
| %RSD | 65.06 | 7.864 | 5.642 | 180.6 | 32.84 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -.0067 | 49.02 | 102.5 | -4.354 | .3616 |
| #2 | -.0182 | 43.85 | 94.59 | 35.78 | .2253 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3411 | 38.50 | .4082 | 7.287 | -2.610 |
| Stddev | .0243 | 13.19 | .3516 | 643 | .152 |
| %RSD | 7.122 | 34.26 | 86.13 | 8.820 | 5.822 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | .3239 | 29.17 | .1596 | 7.741 | -2.502 |
| #2 | .3583 | 47.82 | .6568 | 6.832 | -2.717 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: PBS052610G Acquired: 5/27/2010 22:05:56 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3643 | -.5298 | 4.341 | 21.38 | -.0054 |
| Stddev | 1.075 | .3761 | 3.821 | .68 | .0027 |
| %RSD | 295.0 | 70.99 | 88.02 | 3.173 | 49.45 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -1.124 | -.2639 | 7.042 | 20.90 | -.0072 |
| #2 | .3956 | -.7958 | 1.639 | 21.86 | -.0035 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0206 | .0479 | .1426 | 1.392 |
| Stddev | .0006 | .7337 | .1527 | .139 |
| %RSD | 3.076 | 1533. | 107.1 | 10.000 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | .0202 | -.4709 | .2505 | 1.490 |
| #2 | .0211 | .5667 | .0346 | 1.293 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: PBS052610G Acquired: 5/27/2010 22:05:56 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|----------------|---------------|--------------|
| Line | 230.806 (446) | 224.306 (150)2 | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 452.36 | 3986.2 | 4189.7 | 4729.4 |
| Stddev | 1.06 | 17.3 | 17.7 | 24.9 |
| %RSD | .23534 | .43498 | .42200 | .52554 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 451.61 | 3973.9 | 4177.2 | 4747.0 |
| #2 | 453.12 | 3998.4 | 4202.2 | 4711.8 |

Sample Name: LCSS052610G Acquired: 5/27/2010 22:09:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 255.5 | 2216. | 249.8 | 483.5 | 2058. |
| Stddev | .2 | 43. | .6 | 1.6 | 4. |
| %RSD | .0854 | 1.953 | .2214 | .3210 | .1833 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 255.6 | 2247. | 249.5 | 482.4 | 2060. |
| #2 | 255.3 | 2186. | 250.2 | 484.6 | 2055. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 56.01 | 20510. | 248.2 | 462.0 | 218.6 |
| Stddev | .05 | 74. | .4 | .2 | .5 |
| %RSD | .0961 | .3611 | .1768 | .0457 | .2182 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 55.97 | 20460. | 247.9 | 462.2 | 219.0 |
| #2 | 56.04 | 20570. | 248.5 | 461.9 | 218.3 |

Check ? Value Range
 None None None None None

Sample Name: LCSS052610G Acquired: 5/27/2010 22:09:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 260.9 | 1213. | 21120. | 20000. | 499.0 |
| Stddev | 1.0 | 2. | 13. | 56. | 1.7 |
| %RSD | .3827 | .1828 | .0598 | .2810 | .3362 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 261.6 | 1212. | 21110. | 20040. | 500.1 |
| #2 | 260.2 | 1215. | 21130. | 19960. | 497.8 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 518.7 | 20270. | 494.1 | 519.1 | 227.4 |
| Stddev | 2.2 | 55. | .2 | .8 | .9 |
| %RSD | .4278 | .2722 | .0436 | .1478 | .3905 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 517.1 | 20230. | 494.2 | 518.5 | 228.0 |
| #2 | 520.3 | 20310. | 493.9 | 519.6 | 226.8 |

Check ? Value Range
 None None None None None

Sample Name: LCSS052610G Acquired: 5/27/2010 22:09:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 483.0 | 248.8 | 495.8 | 531.4 | 499.7 |
| Stddev | 1.3 | 3.8 | 4.7 | 2.6 | .8 |
| %RSD | .2780 | 1.519 | .9556 | .4938 | .1696 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 482.1 | 251.5 | 499.2 | 529.6 | 500.3 |
| #2 | 484.0 | 246.1 | 492.5 | 533.3 | 499.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 513.0 | 254.5 | 516.2 | 503.2 |
| Stddev | 3.0 | 1.5 | 2.1 | .7 |
| %RSD | .5874 | .5885 | .4099 | .1346 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 515.2 | 255.5 | 517.7 | 502.7 |
| #2 | 510.9 | 253.4 | 514.7 | 503.7 |

Check ? Value Range
 None None None None

Sample Name: LCSS052610G Acquired: 5/27/2010 22:09:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 426.09 | 3927.3 | 4099.7 | 4688.4 |
| Stddev | 1.35 | 23.3 | 3.4 | 4.4 |
| %RSD | .31681 | .59383 | .08404 | .09487 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 425.13 | 3910.8 | 4102.1 | 4691.5 |
| #2 | 427.04 | 3943.8 | 4097.2 | 4685.3 |

Sample Name: 828857 Acquired: 5/27/2010 22:13:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.380 | 189800. | 69.42 | 65.41 | 3281. |
| Stddev | .818 | 89. | 1.80 | 1.03 | 7. |
| %RSD | 24.19 | .0471 | 2.594 | 1.571 | .1994 |
| #1 | -3.958 | 189700. | 68.15 | 66.13 | 3285. |
| #2 | -2.802 | 189800. | 70.69 | 64.68 | 3276. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.95 | 498600. | 2.094 | 69.33 | 176.4 |
| Stddev | .15 | 447. | .080 | .31 | .1 |
| %RSD | 1.276 | .0897 | 3.818 | .4499 | .0790 |
| #1 | 11.84 | 498900. | 2.151 | 69.55 | 176.3 |
| #2 | 12.05 | 498300. | 2.038 | 69.11 | 176.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828857 Acquired: 5/27/2010 22:13:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 213.1 | 188600. | 23750. | 69530. | 3875. |
| Stddev | 1.0 | 440. | 69. | 128. | 14. |
| %RSD | .4818 | .2330 | .2917 | .1839 | .3738 |
| #1 | 213.8 | 188900. | 23800. | 69620. | 3886. |
| #2 | 212.3 | 188300. | 23700. | 69440. | 3865. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 130.3 | 1812. | 126.0 | 5201. | 158.6 |
| Stddev | .9 | 11. | .5 | 8. | .8 |
| %RSD | .6689 | .6172 | .4116 | .1494 | .5157 |
| #1 | 129.7 | 1820. | 125.7 | 5196. | 158.0 |
| #2 | 131.0 | 1804. | 126.4 | 5207. | 159.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828857 Acquired: 5/27/2010 22:13:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.08 | -8.201 | 9942. | 3.392 | 1386. |
| Stddev | .09 | .746 | 13. | .105 | 9. |
| %RSD | .9338 | 9.090 | .1280 | 3.080 | .6709 |
| #1 | -10.01 | -7.674 | 9951. | 3.318 | 1379. |
| #2 | -10.14 | -8.728 | 9933. | 3.466 | 1392. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 4763. | -10.64 | 437.2 | 559.5 | |
| Stddev | 8. | .33 | .1 | .2 | |
| %RSD | .1769 | 3.068 | .0117 | .0325 | |
| #1 | 4769. | -10.41 | 437.3 | 559.3 | |
| #2 | 4757. | -10.87 | 437.2 | 559.6 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828857 Acquired: 5/27/2010 22:13:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 379.58 | 4233.5 | 4391.2 | 5257.8 |
| Stddev | 1.42 | 15.0 | 8.8 | 8.5 |
| %RSD | .37304 | .35461 | .20082 | .16162 |
| #1 | 380.59 | 4222.9 | 4397.4 | 5251.7 |
| #2 | 378.58 | 4244.1 | 4384.9 | 5263.8 |

Sample Name: 828858 Acquired: 5/27/2010 22:17:45 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.897 | 25270. | 22.71 | -2.203 | 108.4 |
| Stddev | .269 | | 1.08 | .858 | 7.6 |
| %RSD | 9.301 | .0015 | 4.734 | 38.96 | 7.055 |
| #1 | -2.706 | 25270. | 21.95 | -1.596 | 113.8 |
| #2 | -3.087 | 25270. | 23.47 | -2.810 | 103.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.698 | 61600. | 1.944 | 40.55 | 41.45 |
| Stddev | .241 | 65. | .057 | .32 | .05 |
| %RSD | 5.129 | .1056 | 2.917 | .7961 | .1309 |
| #1 | 4.527 | 61640. | 1.984 | 40.78 | 41.48 |
| #2 | 4.868 | 61550. | 1.904 | 40.33 | 41.41 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828858 Acquired: 5/27/2010 22:17:45 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 469.7 | 105700. | 8808. | 12340. | 3436. |
| Stddev | .1 | 118. | 91. | 37. | 14. |
| %RSD | .0246 | .1119 | 1.038 | .3026 | .4219 |
| #1 | 469.7 | 105800. | 8873. | 12370. | 3446. |
| #2 | 469.6 | 105600. | 8744. | 12310. | 3426. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1030. | 797.2 | 37.61 | 1908. | 334.4 |
| Stddev | 2. | 7.0 | .12 | 7. | 2.0 |
| %RSD | .2302 | .8787 | .3125 | .3608 | .5907 |
| #1 | 1028. | 802.2 | 37.53 | 1903. | 333.0 |
| #2 | 1032. | 792.3 | 37.69 | 1913. | 335.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828858 Acquired: 5/27/2010 22:17:45 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.002 | -5.587 | 6552. | 11.84 | 126.6 |
| Stddev | 2.279 | 1.555 | 23. | .52 | .3 |
| %RSD | 75.91 | 27.82 | .3540 | 4.424 | .2046 |
| #1 | -1.391 | -4.488 | 6536. | 12.21 | 126.4 |
| #2 | -4.614 | -6.687 | 6569. | 11.47 | 126.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 654.8 | -9.085 | 75.61 | 367.9 | |
| Stddev | 2.2 | 1.201 | .27 | .7 | |
| %RSD | .3404 | 13.22 | .3505 | .1919 | |
| #1 | 656.3 | -8.236 | 75.42 | 367.4 | |
| #2 | 653.2 | -9.934 | 75.80 | 368.4 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828858 Acquired: 5/27/2010 22:17:45 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 429.72 | 4178.7 | 4365.8 | 4995.0 |
| Stddev | .99 | 19.5 | 8.9 | 2.5 |
| %RSD | .22941 | .46671 | .20292 | .05096 |
| #1 | 430.42 | 4164.9 | 4372.1 | 4993.2 |
| #2 | 429.03 | 4192.5 | 4359.5 | 4996.8 |

Sample Name: 828859 Acquired: 5/27/2010 22:21:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.656 | 146400. | 59.43 | 55.67 | 2547. |
| Stddev | .351 | 288. | .02 | 1.25 | 16. |
| %RSD | 13.20 | .1968 | .0256 | 2.244 | .6109 |
| #1 | -2.904 | 146200. | 59.44 | 56.55 | 2558. |
| #2 | -2.408 | 146600. | 59.42 | 54.79 | 2536. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.803 | 436400. | 2.440 | 57.77 | 152.9 |
| Stddev | .229 | 438. | .079 | .47 | .2 |
| %RSD | 2.340 | .1003 | 3.242 | .8056 | .1540 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 9.965 | 436700. | 2.384 | 58.10 | 152.7 |
| #2 | 9.640 | 436100. | 2.496 | 57.44 | 153.1 |

Check ? Value Range
 None None None None None

Sample Name: 828859 Acquired: 5/27/2010 22:21:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 330.1 | 154700. | 21710. | 60670. | 3691. |
| Stddev | .5 | 446. | 59. | 158. | 13. |
| %RSD | .1422 | .2881 | .2707 | .2608 | .3463 |
| #1 | 330.4 | 155000. | 21750. | 60560. | 3700. |
| #2 | 329.8 | 154400. | 21670. | 60780. | 3682. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | {ln2306} |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 234.4 | 1191. | 117.9 | 4502. | 224.5 |
| Stddev | 1.0 | 9. | 1.8 | 4. | 2.6 |
| %RSD | .4188 | .7954 | 1.517 | .0926 | 1.151 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 235.1 | 1184. | 116.6 | 4505. | 226.3 |
| #2 | 233.7 | 1197. | 119.2 | 4499. | 222.6 |

Check ? Value Range
 None None None None None

Sample Name: 828859 Acquired: 5/27/2010 22:21:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.800 | -3.490 | 7176. | 5.244 | 1180. |
| Stddev | .725 | 1.546 | . | .051 | 16. |
| %RSD | 10.66 | 44.32 | .0009 | .9721 | 1.397 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -6.287 | -4.583 | 7176. | 5.208 | 1168. |
| #2 | -7.312 | -2.396 | 7176. | 5.280 | 1191. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | {ln2306} | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3736. | -10.19 | 350.8 | 531.9 |
| Stddev | 9. | .80 | .4 | .3 |
| %RSD | .2404 | 7.896 | .1264 | .0485 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3743. | -10.76 | 350.5 | 531.7 |
| #2 | 3730. | -9.624 | 351.1 | 532.1 |

Check ? Value Range
 None None None None

Sample Name: 828859 Acquired: 5/27/2010 22:21:41 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | ln2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 383.48 | 4115.1 | 4317.3 | 5083.4 |
| Stddev | .27 | 25.8 | 4.4 | 10.1 |
| %RSD | .07145 | .62761 | .10219 | .19807 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 383.29 | 4096.9 | 4314.2 | 5090.5 |
| #2 | 383.67 | 4133.4 | 4320.4 | 5076.3 |

Sample Name: 828859L Acquired: 5/27/2010 22:25:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.632 | 162900. | 62.32 | 63.51 | 2857. |
| Stddev | .665 | 218. | .11 | 3.09 | 6. |
| %RSD | 11.80 | .1338 | .1780 | 4.870 | .2051 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -6.102 | 163000. | 62.40 | 65.70 | 2853. |
| #2 | -5.163 | 162700. | 62.24 | 61.33 | 2861. |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.12 | 488700. | 2.805 | 65.41 | 170.3 |
| Stddev | .01 | 913. | 1.763 | 1.89 | .0 |
| %RSD | .0772 | .1867 | 62.84 | 2.891 | .0189 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 11.13 | 489400. | 4.051 | 66.75 | 170.3 |
| #2 | 11.12 | 488100. | 1.559 | 64.08 | 170.3 |

Check ?
 Value
 Range

Sample Name: 828859L Acquired: 5/27/2010 22:25:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 358.5 | 172500. | 24220. | 68840. | 4138. |
| Stddev | .8 | 504. | 131. | 268. | 12. |
| %RSD | .2299 | .2923 | .5401 | .3896 | .2797 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 357.9 | 172900. | 24130. | 69030. | 4146. |
| #2 | 359.1 | 172200. | 24310. | 68650. | 4130. |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 257.7 | 1396. | 133.5 | 4933. | 221.2 |
| Stddev | 1.0 | 69. | 1.3 | 27. | 1.5 |
| %RSD | .3708 | 4.958 | .9521 | .5415 | .6713 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 258.3 | 1347. | 134.4 | 4914. | 222.2 |
| #2 | 257.0 | 1444. | 132.6 | 4952. | 220.1 |

Check ?
 Value
 Range

Sample Name: 828859L Acquired: 5/27/2010 22:25:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -13.42 | -10.76 | 8076. | 8.902 | 1363. |
| Stddev | 1.09 | 11.16 | 21. | 3.168 | 1. |
| %RSD | 8.107 | 103.7 | .2567 | 35.59 | .0686 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -12.66 | -2.867 | 8091. | 6.662 | 1363. |
| #2 | -14.19 | -18.65 | 8061. | 11.14 | 1364. |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4008. | -7.301 | 378.8 | 594.6 |
| Stddev | 9. | 14.13 | .8 | 1.4 |
| %RSD | .2161 | 193.6 | .2119 | .2433 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 4014. | -17.29 | 379.3 | 593.5 |
| #2 | 4002. | 2.692 | 378.2 | 595.6 |

Check ?
 Value
 Range

Sample Name: 828859L Acquired: 5/27/2010 22:25:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_-LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 426.74 | 3997.1 | 4184.4 | 4753.7 |
| Stddev | 3.03 | 17.7 | 2.0 | 10.6 |
| %RSD | .71009 | .44216 | .04728 | .22387 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 424.59 | 3984.6 | 4183.0 | 4746.2 |
| #2 | 428.88 | 4009.6 | 4185.8 | 4761.2 |

Sample Name: 828859A Acquired: 5/27/2010 22:29:34 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.575 | 147900. | 99.90 | 476.9 | 4215. |
| Stddev | .096 | 229. | 1.67 | 1.4 | 4. |
| %RSD | 3.741 | .1547 | 1.669 | .2993 | .0856 |
| #1 | -2.507 | 147700. | 101.1 | 475.8 | 4213. |
| #2 | -2.643 | 148000. | 98.72 | 477.9 | 4218. |

Check ? Value Range
None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 56.82 | 433900. | 46.97 | 445.1 | 330.9 |
| Stddev | .04 | 328. | .16 | .3 | .2 |
| %RSD | .0750 | .0755 | .3339 | .0580 | .0754 |
| #1 | 56.79 | 433700. | 47.08 | 444.9 | 330.7 |
| #2 | 56.85 | 434200. | 46.86 | 445.2 | 331.1 |

Check ? Value Range
None None None None None

Sample Name: 828859A Acquired: 5/27/2010 22:29:34 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 552.5 | 154100. | 21850. | 60330. | 4089. |
| Stddev | 1.0 | 124. | 13. | 12. | |
| %RSD | .1828 | .0804 | .0572 | .0205 | .0070 |
| #1 | 553.2 | 154200. | 21840. | 60320. | 4089. |
| #2 | 551.8 | 154000. | 21860. | 60330. | 4089. |

Check ? Value Range
None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 667.4 | 1205. | 502.6 | 4927. | 243.3 |
| Stddev | 1.6 | 7. | 1.3 | 5. | 3.6 |
| %RSD | .2338 | .5526 | .2635 | .1046 | 1.469 |
| #1 | 666.3 | 1210. | 503.6 | 4923. | 240.8 |
| #2 | 668.5 | 1200. | 501.7 | 4930. | 245.8 |

Check ? Value Range
None None None None None

Sample Name: 828859A Acquired: 5/27/2010 22:29:34 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 404.4 | 40.66 | 9730. | 382.6 | 1563. |
| Stddev | 1.9 | 2.43 | . | 1.8 | 10. |
| %RSD | .4770 | 5.984 | .0001 | .4645 | .6377 |
| #1 | 403.0 | 38.94 | 9730. | 381.3 | 1556. |
| #2 | 405.8 | 42.38 | 9730. | 383.8 | 1570. |

Check ? Value Range
None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4154. | 40.78 | 783.0 | 946.3 |
| Stddev | 8. | 3.04 | .1 | 1.4 |
| %RSD | .1919 | 7.448 | .0187 | .1441 |
| #1 | 4160. | 38.63 | 783.1 | 945.3 |
| #2 | 4148. | 42.93 | 782.9 | 947.2 |

Check ? Value Range
None None None None

Sample Name: 828859A Acquired: 5/27/2010 22:29:34 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 386.67 | 4136.6 | 4313.8 | 5100.2 |
| Stddev | 1.44 | 3.3 | 9.2 | 11.2 |
| %RSD | .37339 | .08077 | .21348 | .21926 |
| #1 | 387.69 | 4139.0 | 4307.3 | 5092.3 |
| #2 | 385.65 | 4134.3 | 4320.3 | 5108.1 |

Sample Name: 828859MS Acquired: 5/27/2010 22:33:31 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 43.27 | 139300. | 100.7 | 481.9 | 4276. |
| Stddev | .24 | 354. | 1.2 | .1 | 34. |
| %RSD | .5574 | .2542 | 1.175 | .0186 | .7936 |
| #1 | 43.44 | 139500. | 99.88 | 481.9 | 4300. |
| #2 | 43.10 | 139000. | 101.6 | 482.0 | 4252. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 61.15 | 438200. | 50.42 | 462.2 | 340.0 |
| Stddev | .33 | 1766. | .11 | .8 | 1.2 |
| %RSD | .5449 | .4030 | .2181 | .1785 | .3410 |
| #1 | 61.39 | 439500. | 50.50 | 462.8 | 339.2 |
| #2 | 60.92 | 437000. | 50.35 | 461.6 | 340.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828859MS Acquired: 5/27/2010 22:33:31 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 539.9 | 144900. | 21120. | 62220. | 3866. |
| Stddev | .5 | 199. | 76. | 97. | 46. |
| %RSD | .0885 | .1371 | .3609 | .1565 | 1.181 |
| #1 | 539.6 | 144700. | 21170. | 62290. | 3834. |
| #2 | 540.3 | 145000. | 21060. | 62150. | 3898. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 696.7 | 1216. | 537.6 | 4933. | 218.8 |
| Stddev | 1.5 | 29. | .2 | 9. | 3.5 |
| %RSD | .2140 | 2.403 | .0291 | .1831 | 1.587 |
| #1 | 695.7 | 1236. | 537.7 | 4940. | 221.3 |
| #2 | 697.8 | 1195. | 537.5 | 4927. | 216.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828859MS Acquired: 5/27/2010 22:33:31 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 157.6 | 42.54 | 10760. | 449.9 | 1596. |
| Stddev | .5 | 3.45 | 27. | 1.7 | 20. |
| %RSD | .3262 | 8.117 | .2535 | .3801 | 1.241 |
| #1 | 157.3 | 40.10 | 10780. | 451.1 | 1610. |
| #2 | 158.0 | 44.98 | 10740. | 448.6 | 1582. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Th-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 3854. | 45.10 | 807.2 | 965.4 | |
| Stddev | 8. | .52 | .9 | 1.9 | |
| %RSD | .1953 | 1.163 | .1130 | .1958 | |
| #1 | 3848. | 44.73 | 806.5 | 964.1 | |
| #2 | 3859. | 45.48 | 807.8 | 966.8 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828859MS Acquired: 5/27/2010 22:33:31 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 384.37 | 4072.7 | 4272.2 | 5041.0 |
| Stddev | .21 | 25.2 | 13.5 | 12.6 |
| %RSD | .05555 | .61970 | .31715 | .25031 |
| #1 | 384.52 | 4090.5 | 4281.8 | 5032.1 |
| #2 | 384.22 | 4054.8 | 4262.6 | 5050.0 |

Sample Name: 828859DP Acquired: 5/27/2010 22:37:29 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.253 | 142000. | 58.65 | 55.72 | 2850. |
| Stddev | .109 | 319. | 3.83 | .86 | 7. |
| %RSD | 4.816 | .2247 | 6.524 | 1.536 | .2503 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -2.176 | 142200. | 55.94 | 56.32 | 2856. |
| #2 | -2.330 | 141800. | 61.35 | 55.11 | 2845. |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.201 | 486000. | 2.708 | 56.88 | 145.6 |
| Stddev | .064 | 1874. | .001 | .00 | .0 |
| %RSD | .6985 | .3856 | .0177 | .0010 | .0185 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 9.247 | 487300. | 2.708 | 56.88 | 145.6 |
| #2 | 9.156 | 484700. | 2.709 | 56.88 | 145.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828859DP Acquired: 5/27/2010 22:37:29 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 375.6 | 151400. | 21180. | 62360. | 3782. |
| Stddev | 1.5 | 136. | 85. | 19. | 10. |
| %RSD | .3970 | .0897 | .4000 | .0301 | .2693 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 376.7 | 151300. | 21240. | 62340. | 3775. |
| #2 | 374.6 | 151400. | 21120. | 62370. | 3790. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 281.6 | 1192. | 109.5 | 4743. | 272.2 |
| Stddev | .3 | 61. | 5 | 10. | 1.9 |
| %RSD | .1004 | 5.147 | .4509 | .2096 | .7002 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 281.8 | 1235. | 109.9 | 4751. | 270.8 |
| #2 | 281.4 | 1148. | 109.2 | 4736. | 273.5 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828859DP Acquired: 5/27/2010 22:37:29 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.228 | -5.545 | 6357. | 5.094 | 1336. |
| Stddev | .302 | 2.415 | 1. | .644 | 4. |
| %RSD | 3.670 | 43.55 | .0133 | 12.63 | .2668 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -8.442 | -7.253 | 6358. | 5.550 | 1338. |
| #2 | -8.015 | -3.838 | 6357. | 4.639 | 1333. |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3242. | -10.05 | 340.1 | 591.1 |
| Stddev | 1. | 2.46 | 1.1 | .5 |
| %RSD | .0259 | 24.47 | .3280 | .0813 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3242. | -8.313 | 340.9 | 591.4 |
| #2 | 3241. | -11.79 | 339.3 | 590.7 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828859DP Acquired: 5/27/2010 22:37:29 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 381.56 | 4125.0 | 4302.2 | 5053.5 |
| Stddev | 2.07 | 9.2 | 3.3 | 24.9 |
| %RSD | .54279 | .22220 | .07657 | .49210 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 383.03 | 4118.5 | 4299.9 | 5035.9 |
| #2 | 380.10 | 4131.5 | 4304.6 | 5071.1 |

Sample Name: 828860 Acquired: 5/27/2010 22:41:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.542 | 115500. | 49.30 | 42.34 | 1986. |
| Stddev | .068 | 45. | 2.91 | .09 | 2. |
| %RSD | 2.687 | .0392 | 5.894 | .2164 | .1140 |
| #1 | -2.591 | 115500. | 47.25 | 42.41 | 1987. |
| #2 | -2.494 | 115400. | 51.36 | 42.28 | 1984. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.602 | 334300. | 2.541 | 49.25 | 122.6 |
| Stddev | .285 | 277. | .119 | .19 | .1 |
| %RSD | 3.309 | .0830 | 4.687 | .3872 | .0964 |
| #1 | 8.803 | 334500. | 2.626 | 49.11 | 122.5 |
| #2 | 8.401 | 334100. | 2.457 | 49.38 | 122.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828860 Acquired: 5/27/2010 22:41:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 393.5 | 130600. | 18230. | 47640. | 3911. |
| Stddev | 1.6 | 166. | 1. | 83. | 28. |
| %RSD | .4110 | .1273 | .0076 | .1742 | .7219 |
| #1 | 392.3 | 130700. | 18230. | 47590. | 3891. |
| #2 | 394.6 | 130400. | 18230. | 47700. | 3931. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 415.3 | 1090. | 91.45 | 3885. | 316.7 |
| Stddev | 1.3 | 39. | 1.45 | 3. | .5 |
| %RSD | .3026 | 3.583 | 1.588 | .0718 | .1432 |
| #1 | 414.4 | 1063. | 90.42 | 3887. | 317.0 |
| #2 | 416.2 | 1118. | 92.47 | 3883. | 316.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828860 Acquired: 5/27/2010 22:41:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.867 | -6.214 | 11660. | 5.599 | 950.9 |
| Stddev | .691 | 2.580 | 17. | .497 | 4.5 |
| %RSD | 8.788 | 41.52 | .1480 | 8.881 | .4775 |
| #1 | -7.379 | -4.389 | 11670. | 5.951 | 954.1 |
| #2 | -8.356 | -8.038 | 11650. | 5.248 | 947.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 2942. | -8.400 | 270.0 | 532.4 | |
| Stddev | 3. | .213 | .5 | .4 | |
| %RSD | .1021 | 2.538 | .1939 | .0729 | |
| #1 | 2940. | -8.551 | 270.3 | 532.7 | |
| #2 | 2944. | -8.249 | 269.6 | 532.2 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828860 Acquired: 5/27/2010 22:41:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 390.95 | 4154.9 | 4331.5 | 5059.5 |
| Stddev | 2.74 | 6.0 | 12.7 | 5.6 |
| %RSD | .70018 | .14493 | .29275 | .11049 |
| #1 | 389.02 | 4159.2 | 4322.5 | 5063.4 |
| #2 | 392.89 | 4150.6 | 4340.4 | 5055.5 |

Sample Name: CCV Acquired: 5/27/2010 22:45:30 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.67 | 29810. | 100.2 | 715.8 | 195.8 |
| Stddev | .55 | 73. | .7 | 4.4 | 10.3 |
| %RSD | .5710 | .2461 | .6686 | .6134 | 5.269 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 96.28 | 29760. | 99.76 | 712.7 | 188.5 |
| #2 | 97.06 | 29860. | 100.7 | 718.9 | 203.1 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.65 | 29440. | 97.46 | 189.5 | 194.4 |
| Stddev | .25 | 27. | .29 | 1.2 | .1 |
| %RSD | .2551 | .0902 | .3008 | .6450 | .0603 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 99.47 | 29420. | 97.26 | 188.6 | 194.3 |
| #2 | 99.83 | 29450. | 97.67 | 190.3 | 194.4 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 22:45:30 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 185.9 | 29900. | 29720. | 29580. | 189.8 |
| Stddev | .9 | 30. | 29. | 26. | .2 |
| %RSD | .4785 | .1016 | .0972 | .0882 | .0898 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 185.3 | 29880. | 29700. | 29600. | 189.7 |
| #2 | 186.5 | 29920. | 29740. | 29560. | 189.9 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.2 | 29930. | 186.7 | 202.5 | 395.7 |
| Stddev | .7 | 5. | 1.4 | .6 | 3.7 |
| %RSD | .3496 | .0179 | .7317 | .3152 | .9413 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 199.7 | 29930. | 185.8 | 202.1 | 398.3 |
| #2 | 200.7 | 29930. | 187.7 | 203.0 | 393.1 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 22:45:30 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 292.3 | 99.14 | 1005. | 193.8 | 297.9 |
| Stddev | .6 | .89 | . | .8 | 1.3 |
| %RSD | .2082 | .8952 | .0420 | .4063 | .4205 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 291.9 | 99.76 | 1005. | 193.2 | 298.8 |
| #2 | 292.8 | 98.51 | 1004. | 194.4 | 297.0 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 395.3 | 99.95 | 198.4 | 197.9 |
| Stddev | .6 | .30 | 1.0 | .6 |
| %RSD | .1487 | .2991 | .4983 | .3151 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 394.9 | 100.2 | 197.7 | 197.5 |
| #2 | 395.7 | 99.74 | 199.1 | 198.4 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 22:45:30 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 421.74 | 3951.4 | 4103.4 | 4674.7 |
| Stddev | 2.17 | 27.9 | 6.9 | 13.0 |
| %RSD | .51479 | .70653 | .16816 | .27767 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 420.20 | 3971.1 | 4108.2 | 4683.9 |
| #2 | 423.27 | 3931.6 | 4098.5 | 4665.5 |

Sample Name: CCB Acquired: 5/27/2010 22:49:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0629 | -25.28 | -.2452 | 1.407 | 2.896 |
| Stddev | .3922 | 2.09 | 1.158 | 1.239 | 3.851 |
| %RSD | 623.3 | 8.265 | 472.5 | 88.04 | 133.0 |

#1 -2144 -23.80 -1.064 2.283 5.619
 #2 .3402 -26.75 .5739 .5310 .1725

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0315 | -14.25 | -.1962 | -.1280 | .1496 |
| Stddev | .0236 | 29.33 | .2617 | .0118 | .1104 |
| %RSD | 74.98 | 205.8 | 133.4 | 9.197 | 73.82 |

#1 -.0148 -34.99 -3.813 -.1197 .0715
 #2 -.0483 6.487 -.0112 -.1363 .2277

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 22:49:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1838 | 14.07 | 116.3 | 28.19 | -.0417 |
| Stddev | .4436 | 7.34 | 68.1 | 11.06 | .0137 |
| %RSD | 241.3 | 52.17 | 58.59 | 39.22 | 32.93 |

#1 .4976 8.877 68.11 36.01 -.0514
 #2 -.1299 19.25 164.4 20.37 -.0320

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5221 | -.9783 | .5158 | -3.086 | -2.393 |
| Stddev | .5136 | 19.44 | .0334 | 2.014 | .334 |
| %RSD | 98.38 | 1987. | 6.472 | 65.27 | 13.96 |

#1 .8852 -14.72 .4922 -1.662 -2.630
 #2 .1589 12.76 .5394 -4.511 -2.157

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 22:49:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.964 | .4890 | -1.999 | .0123 | -.0062 |
| Stddev | .099 | 3.074 | 4.645 | .9287 | .0040 |
| %RSD | 5.058 | 628.7 | 232.4 | 7563. | 64.68 |

#1 -2.034 2.663 1.286 .6690 -.0090
 #2 -1.893 -1.685 -5.283 -.6444 -.0034

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1614 | -1.157 | -.4062 | -.1654 |
| Stddev | .1804 | .390 | .1936 | .0831 |
| %RSD | 111.8 | 33.66 | 47.67 | 50.25 |

#1 -.2889 -1.433 -.2692 -.1066
 #2 -.0338 -.8818 -.5431 -.2241

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 22:49:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 454.37 | 3976.7 | 4152.8 | 4616.8 |
| Stddev | .02 | 7.4 | 12.4 | 50.9 |
| %RSD | .00540 | .18635 | .29819 | 1.1016 |

#1 454.39 3971.5 4144.0 4580.8
 #2 454.36 3982.0 4161.5 4652.7

Sample Name: 828861 Acquired: 5/27/2010 22:53:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.223 | 150300. | 63.65 | 54.22 | 2488. |
| Stddev | .451 | 487. | 1.05 | 1.77 | 14. |
| %RSD | 13.98 | .3242 | 1.643 | 3.268 | .5698 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -2.904 | 150700. | 62.91 | 55.47 | 2498. |
| #2 | -3.542 | 150000. | 64.39 | 52.96 | 2478. |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.08 | 402300. | 2.369 | 64.72 | 202.6 |
| Stddev | .13 | 1731. | .092 | .41 | .4 |
| %RSD | 1.269 | .4302 | 3.878 | .6304 | .1827 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 10.17 | 403500. | 2.304 | 64.43 | 202.3 |
| #2 | 9.991 | 401000. | 2.434 | 65.01 | 202.8 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828861 Acquired: 5/27/2010 22:53:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 473.9 | 164400. | 21240. | 67190. | 4148. |
| Stddev | .2 | 21. | 73. | 465. | 10. |
| %RSD | .0376 | .0126 | .3452 | .6921 | .2454 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 473.8 | 164400. | 21290. | 67520. | 4141. |
| #2 | 474.0 | 164400. | 21190. | 66860. | 4155. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 348.1 | 1267. | 151.5 | 5499. | 275.6 |
| Stddev | .3 | 5. | 1.0 | 3. | 3.6 |
| %RSD | .0806 | .4116 | .6844 | .0516 | 1.306 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 347.9 | 1263. | 150.8 | 5497. | 278.2 |
| #2 | 348.3 | 1270. | 152.3 | 5501. | 273.1 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828861 Acquired: 5/27/2010 22:53:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.657 | -4.261 | 8618. | 4.964 | 1145. |
| Stddev | .368 | .114 | 18. | .364 | 8. |
| %RSD | 3.806 | 2.669 | .2075 | 7.335 | .6956 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -9.397 | -4.181 | 8630. | 5.221 | 1151. |
| #2 | -9.917 | -4.342 | 8605. | 4.706 | 1140. |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3426. | -9.600 | 360.9 | 601.9 |
| Stddev | 9. | 1.469 | .3 | 1.0 |
| %RSD | .2588 | 15.31 | .0916 | .1706 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3432. | -8.561 | 361.2 | 601.2 |
| #2 | 3419. | -10.64 | 360.7 | 602.6 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828861 Acquired: 5/27/2010 22:53:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 391.07 | 4221.1 | 4388.4 | 5170.9 |
| Stddev | 3.05 | .3 | 5.9 | 25.6 |
| %RSD | .78021 | .00816 | .13375 | .49545 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 388.91 | 4220.9 | 4392.5 | 5152.8 |
| #2 | 393.23 | 4221.4 | 4384.2 | 5189.0 |

Sample Name: 828862 Acquired: 5/27/2010 22:57:13 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.814 | 127300. | 71.56 | 45.58 | 1671. |
| Stddev | .837 | 461. | .28 | .98 | 10. |
| %RSD | 29.74 | .3621 | .3982 | 2.142 | .6253 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -3.406 | 127000. | 71.36 | 44.89 | 1664. |
| #2 | -2.222 | 127600. | 71.77 | 46.27 | 1679. |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.003 | 328800. | 1.755 | 72.22 | 210.4 |
| Stddev | .032 | 290. | .052 | .14 | .2 |
| %RSD | .3506 | .0881 | 2.948 | .1910 | .0861 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 8.980 | 329000. | 1.718 | 72.12 | 210.3 |
| #2 | 9.025 | 328600. | 1.791 | 72.32 | 210.5 |

Check ? Value Range
 None None None None None

Sample Name: 828862 Acquired: 5/27/2010 22:57:13 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 173.6 | 193600. | 19090. | 72960. | 3332. |
| Stddev | .4 | 742. | 57. | 80. | 19. |
| %RSD | .2077 | .3831 | .2976 | .1100 | .5598 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 173.4 | 194200. | 19050. | 72910. | 3345. |
| #2 | 173.9 | 193100. | 19130. | 73020. | 3319. |

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.69 | 1015. | 159.2 | 5841. | 198.8 |
| Stddev | .15 | 28. | .7 | 2. | 2.2 |
| %RSD | .1484 | 2.711 | .4132 | .0313 | 1.121 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 98.79 | 995.2 | 158.8 | 5840. | 200.4 |
| #2 | 98.58 | 1034. | 159.7 | 5843. | 197.2 |

Check ? Value Range
 None None None None None

Sample Name: 828862 Acquired: 5/27/2010 22:57:13 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.784 | -8.618 | 7243. | 7.724 | 1121. |
| Stddev | 3.436 | .203 | 29. | .271 | 11. |
| %RSD | 35.12 | 2.357 | .3937 | 3.504 | .9927 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -7.355 | -8.474 | 7263. | 7.915 | 1128. |
| #2 | -12.21 | -8.762 | 7222. | 7.532 | 1113. |

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3337. | -6.079 | 423.4 | 588.1 |
| Stddev | 3. | 2.412 | .9 | .6 |
| %RSD | .0952 | 39.67 | .2110 | .1070 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3339. | -4.374 | 424.1 | 588.5 |
| #2 | 3335. | -7.784 | 422.8 | 587.6 |

Check ? Value Range
 None None None None

Sample Name: 828862 Acquired: 5/27/2010 22:57:13 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 392.72 | 4098.1 | 4266.3 | 4984.9 |
| Stddev | 1.52 | 3.1 | 7.1 | 10.0 |
| %RSD | .38591 | .07548 | .16703 | .20001 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 391.65 | 4096.0 | 4261.2 | 4992.0 |
| #2 | 393.79 | 4100.3 | 4271.3 | 4977.9 |

Sample Name: 828863 Acquired: 5/27/2010 23:01:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.233 | 23820. | 19.66 | -.5169 | 123.7 |
| Stddev | .880 | 54. | .82 | .4341 | 2.7 |
| %RSD | 27.21 | .2250 | 4.156 | 83.99 | 2.163 |
| #1 | -3.855 | 23860. | 20.24 | -.8239 | 121.8 |
| #2 | -2.611 | 23790. | 19.08 | -.2099 | 125.6 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.493 | 51800. | 1.412 | 23.79 | 42.60 |
| Stddev | .001 | 108. | .182 | .34 | .30 |
| %RSD | .0239 | .2090 | 12.89 | 1.444 | .6979 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 4.494 | 51880. | 1.540 | 24.04 | 42.81 |
| #2 | 4.492 | 51720. | 1.283 | 23.55 | 42.39 |

Check ? Value Range
 None None None None None

Sample Name: 828863 Acquired: 5/27/2010 23:01:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 373.4 | 68160. | 8844. | 12550. | 3210. |
| Stddev | .3 | 147. | 130. | 32. | 26. |
| %RSD | .0909 | .2162 | 1.468 | .2529 | .8229 |
| #1 | 373.6 | 68270. | 8752. | 12570. | 3192. |
| #2 | 373.1 | 68060. | 8936. | 12530. | 3229. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 598.7 | 766.7 | 31.39 | 2171. | 169.9 |
| Stddev | 2.3 | 6.7 | .18 | . | .9 |
| %RSD | .3799 | .8773 | .5801 | .0074 | .5363 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 597.1 | 771.4 | 31.52 | 2171. | 170.5 |
| #2 | 600.3 | 761.9 | 31.26 | 2170. | 169.2 |

Check ? Value Range
 None None None None None

Sample Name: 828863 Acquired: 5/27/2010 23:01:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.120 | -3.204 | 6484. | 11.56 | 89.16 |
| Stddev | .399 | 1.858 | 17. | .57 | .18 |
| %RSD | 9.693 | 57.99 | 2.668 | 4.962 | .2011 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -3.838 | -1.890 | 6496. | 11.15 | 89.03 |
| #2 | -4.403 | -4.517 | 6471. | 11.96 | 89.28 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 776.5 | -10.43 | 61.27 | 246.8 |
| Stddev | 1.9 | .72 | .71 | .2 |
| %RSD | .2466 | 6.930 | 1.161 | .0878 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 775.1 | -9.917 | 61.78 | 247.0 |
| #2 | 777.8 | -10.94 | 60.77 | 246.7 |

Check ? Value Range
 None None None None

Sample Name: 828863 Acquired: 5/27/2010 23:01:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 432.07 | 4219.5 | 4427.0 | 4949.0 |
| Stddev | .95 | 2.9 | 9 | 3.9 |
| %RSD | .21942 | .06958 | .02089 | .07930 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 431.39 | 4217.4 | 4427.6 | 4951.8 |
| #2 | 432.74 | 4221.6 | 4426.3 | 4946.2 |

Sample Name: 828864 Acquired: 5/27/2010 23:05:12 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.439 | 152900. | 80.78 | 65.80 | 4783. |
| Stddev | .169 | 768. | 2.10 | .46 | 16. |
| %RSD | 4.903 | 5023 | 2.602 | .6986 | .3361 |
| #1 | -3.558 | 152400. | 82.27 | 65.47 | 4772. |
| #2 | -3.320 | 153500. | 79.30 | 66.12 | 4795. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.485 | 680200. | 1.885 | 64.79 | 161.4 |
| Stddev | .071 | 2725. | .189 | .05 | .1 |
| %RSD | .7493 | .4007 | 10.03 | .0842 | .0763 |
| #1 | 9.536 | 678300. | 2.019 | 64.83 | 161.5 |
| #2 | 9.435 | 682100. | 1.752 | 64.75 | 161.3 |

Check ? Value Range
 None None None None None

Sample Name: 828864 Acquired: 5/27/2010 23:05:12 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 240.8 | 161900. | 21630. | 80430. | 3154. |
| Stddev | .7 | 419. | 49. | 368. | 10. |
| %RSD | .2742 | .2585 | .2287 | .4578 | .3142 |
| #1 | 241.3 | 162200. | 21660. | 80170. | 3147. |
| #2 | 240.3 | 161600. | 21590. | 80690. | 3161. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 210.9 | 1419. | 130.9 | 5564. | 213.8 |
| Stddev | .3 | 2. | 1.1 | 12. | 3.0 |
| %RSD | .1195 | .1509 | .8409 | .2104 | 1.411 |
| #1 | 210.7 | 1420. | 130.1 | 5572. | 211.7 |
| #2 | 211.1 | 1417. | 131.7 | 5555. | 216.0 |

Check ? Value Range
 None None None None None

Sample Name: 828864 Acquired: 5/27/2010 23:05:12 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.431 | -1.634 | 11160. | 5.429 | 2047. |
| Stddev | 1.724 | .120 | 27. | 1.076 | 12. |
| %RSD | 23.20 | 7.350 | .2430 | 19.83 | .5841 |
| #1 | -6.211 | -1.549 | 11180. | 6.190 | 2039. |
| #2 | -8.650 | -1.718 | 11140. | 4.668 | 2056. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3556. | -7.101 | 437.7 | 522.4 |
| Stddev | 5. | 2.771 | .6 | 1.7 |
| %RSD | .1433 | 39.02 | .1315 | .3249 |
| #1 | 3560. | -5.142 | 438.1 | 523.6 |
| #2 | 3552. | -9.061 | 437.3 | 521.2 |

Check ? Value Range
 None None None None

Sample Name: 828864 Acquired: 5/27/2010 23:05:12 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 373.40 | 4100.0 | 4259.1 | 5030.9 |
| Stddev | 1.14 | 14.6 | .7 | 26.5 |
| %RSD | .30489 | .35679 | .01745 | .52756 |
| #1 | 374.20 | 4089.6 | 4258.5 | 5049.7 |
| #2 | 372.59 | 4110.3 | 4259.6 | 5012.2 |

Check ? Value Range
 None None None None

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3556. | -7.101 | 437.7 | 522.4 |
| Stddev | 5. | 2.771 | .6 | 1.7 |
| %RSD | .1433 | 39.02 | .1315 | .3249 |
| #1 | 3560. | -5.142 | 438.1 | 523.6 |
| #2 | 3552. | -9.061 | 437.3 | 521.2 |

Check ? Value Range
 None None None None

Sample Name: 828865 Acquired: 5/27/2010 23:09:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.621 | 130900. | 66.69 | 52.83 | 3666. |
| Stddev | .162 | 88. | .51 | .93 | 35. |
| %RSD | 6.166 | .0671 | .7686 | 1.753 | .9579 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -2.507 | 131000. | 67.05 | 53.48 | 3691. |
| #2 | -2.735 | 130900. | 66.33 | 52.17 | 3641. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.567 | 544200. | 1.989 | 57.12 | 153.4 |
| Stddev | .076 | 823. | .081 | .16 | .3 |
| %RSD | 8877 | .1512 | 4.051 | .2802 | .1822 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 8.513 | 544700. | 1.932 | 57.01 | 153.2 |
| #2 | 8.621 | 543600. | 2.046 | 57.23 | 153.6 |

Check ? Value Range
 None None None None None

Sample Name: 828865 Acquired: 5/27/2010 23:09:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 223.5 | 151600. | 19040. | 66760. | 2862. |
| Stddev | .1 | 207. | 80. | 139. | 10. |
| %RSD | .0406 | .1367 | .4209 | .2076 | .3418 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 223.4 | 151700. | 19090. | 66860. | 2869. |
| #2 | 223.6 | 151400. | 18980. | 66660. | 2855. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 242.4 | 1215. | 119.6 | 4963. | 267.4 |
| Stddev | .7 | 21. | .0 | 12. | .7 |
| %RSD | .2889 | 1.706 | .0335 | .2325 | .2676 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 241.9 | 1230. | 119.7 | 4971. | 266.9 |
| #2 | 242.9 | 1200. | 119.6 | 4955. | 267.9 |

Check ? Value Range
 None None None None None

Sample Name: 828865 Acquired: 5/27/2010 23:09:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.265 | -6.387 | 9137. | 5.562 | 1576. |
| Stddev | .410 | .415 | 6. | .531 | 14. |
| %RSD | 7.791 | 6.492 | .0672 | 9.543 | .8666 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -5.555 | -6.094 | 9141. | 5.187 | 1586. |
| #2 | -4.975 | -6.680 | 9132. | 5.937 | 1567. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3364. | -7.164 | 369.1 | 623.4 |
| Stddev | 2. | .248 | 1.4 | .2 |
| %RSD | .0463 | 3.458 | .3740 | .0382 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3365. | -6.989 | 370.1 | 623.2 |
| #2 | 3363. | -7.339 | 368.2 | 623.5 |

Check ? Value Range
 None None None None

Sample Name: 828865 Acquired: 5/27/2010 23:09:14 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 383.11 | 4085.0 | 4242.3 | 4949.0 |
| Stddev | 2.59 | 4.9 | 3.3 | 46.3 |
| %RSD | .67691 | .12040 | .07812 | .93489 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 381.28 | 4088.5 | 4244.6 | 4916.3 |
| #2 | 384.95 | 4081.5 | 4240.0 | 4981.7 |

Sample Name: 828866 Acquired: 5/27/2010 23:13:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|---------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.859 | 150400. | 70.12 | 60.93 | 4243. |
| Stddev | .260 | 144. | .72 | 1.13 | 12. |
| %RSD | 9.107 | .0955 | 1.033 | 1.852 | .2899 |
| #1 | -2.675 | 150300. | 70.64 | 61.73 | 4234. |
| #2 | -3.043 | 150500. | 69.61 | 60.13 | 4251. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|---------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.525 | 645100. | 1.608 | 63.44 | 146.1 |
| Stddev | .021 | 804. | .059 | .10 | .3 |
| %RSD | .2240 | .1246 | 3.697 | .1586 | .1767 |
| #1 | 9.540 | 645700. | 1.566 | 63.37 | 145.9 |
| #2 | 9.510 | 644600. | 1.650 | 63.52 | 146.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828866 Acquired: 5/27/2010 23:13:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|---------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 220.8 | 159700. | 22020. | 70300. | 3278. |
| Stddev | 1.5 | 893. | 22. | 139. | 24. |
| %RSD | .6586 | .5589 | .0977 | .1970 | .7226 |
| #1 | 221.8 | 160300. | 22030. | 70400. | 3295. |
| #2 | 219.7 | 159100. | 22000. | 70200. | 3261. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|---------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 166.9 | 1490. | 120.3 | 4997. | 167.7 |
| Stddev | .4 | 23. | .0 | 9. | 2.2 |
| %RSD | .2571 | 1.555 | .0005 | .1730 | 1.341 |
| #1 | 167.2 | 1473. | 120.3 | 4991. | 166.1 |
| #2 | 166.6 | 1506. | 120.3 | 5003. | 169.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828866 Acquired: 5/27/2010 23:13:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|---------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.674 | -7.870 | 10790. | 5.584 | 1843. |
| Stddev | .679 | .164 | 59. | .416 | 27. |
| %RSD | 7.021 | 2.079 | .5443 | 7.458 | 1.483 |
| #1 | -10.15 | -7.986 | 10840. | 5.878 | 1824. |
| #2 | -9.193 | -7.754 | 10750. | 5.289 | 1863. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|---------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3573. | -9.382 | 386.1 | 509.3 |
| Stddev | 11. | 3.140 | 1.6 | 1.1 |
| %RSD | .3121 | 33.47 | .4255 | .2200 |
| #1 | 3581. | -11.60 | 387.2 | 508.5 |
| #2 | 3565. | -7.162 | 384.9 | 510.0 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828866 Acquired: 5/27/2010 23:13:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 377.51 | 4098.5 | 4274.1 | 4989.3 |
| Stddev | 1.42 | 38.0 | 21.1 | 6.0 |
| %RSD | .37657 | .92749 | .49320 | .12070 |
| #1 | 376.50 | 4071.7 | 4259.2 | 4993.5 |
| #2 | 378.51 | 4125.4 | 4289.0 | 4985.0 |

Sample Name: 828867 Acquired: 5/27/2010 23:17:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.207 | 122900. | 65.60 | 57.07 | 3843. |
| Stddev | .055 | 640. | .74 | 1.40 | 6. |
| %RSD | 2.473 | .5212 | 1.126 | 2.452 | .1458 |

#1 -2.169 122400. 65.08 58.06 3839.
 #2 -2.246 123300. 66.13 56.08 3847.
 Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.617 | 604800. | 1.685 | 46.89 | 136.1 |
| Stddev | .005 | 1840. | .037 | .33 | .0 |
| %RSD | .0633 | .3041 | 2.217 | .7032 | .0296 |

#1 7.613 603500. 1.711 46.66 136.1
 #2 7.620 606100. 1.659 47.12 136.1
 Check ? None None None None None
 Value
 Range

Sample Name: 828867 Acquired: 5/27/2010 23:17:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 120.9 | 117000. | 16430. | 71080. | 2206. |
| Stddev | .2 | 84. | 146. | 291. | 1. |
| %RSD | .1317 | .0722 | .8903 | .4092 | .0553 |

#1 121.0 117100. 16330. 70880. 2207.
 #2 120.8 116900. 16530. 71290. 2205.

Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 65.82 | 1287. | 100.3 | 3444. | 487.7 |
| Stddev | .48 | 19. | .5 | 3. | 3.8 |
| %RSD | .7365 | 1.444 | .5139 | .0734 | .7805 |

#1 65.48 1300. 99.92 3442. 485.0
 #2 66.16 1274. 100.7 3446. 490.4

Check ? None None None None None
 Value
 Range

Sample Name: 828867 Acquired: 5/27/2010 23:17:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.232 | -1.352 | 8224. | 6.297 | 1808. |
| Stddev | .750 | 5.894 | 19. | .567 | 15. |
| %RSD | 10.37 | 436.0 | .2360 | 9.003 | .8322 |

#1 -6.702 -5.519 8210. 5.896 1798.
 #2 -7.762 2.816 8238. 6.698 1819.

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2852. | -5.421 | 337.7 | 403.6 |
| Stddev | 2. | .233 | .4 | .6 |
| %RSD | .0644 | 4.295 | .1288 | .1511 |

#1 2850. -5.586 337.4 404.1
 #2 2853. -5.256 338.0 403.2

Check ? None None None None
 Value
 Range

Sample Name: 828867 Acquired: 5/27/2010 23:17:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 383.84 | 4022.8 | 4217.8 | 4884.6 |
| Stddev | 1.59 | 1.3 | 2.8 | 13.9 |
| %RSD | .41354 | .03139 | .06722 | .28506 |

#1 384.96 4023.7 4215.8 4894.4
 #2 382.72 4021.9 4219.8 4874.7

Sample Name: 828868 Acquired: 5/27/2010 23:21:12 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.488 | 32300. | 24.22 | -2.781 | 159.8 |
| Stddev | .235 | 67. | 1.10 | .472 | 4.0 |
| %RSD | 6.731 | .2083 | 4.522 | 16.96 | 2.522 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -3.322 | 32250. | 23.44 | -3.115 | 162.7 |
| #2 | -3.654 | 32350. | 24.99 | -2.448 | 157.0 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.121 | 89040. | 3.165 | 26.80 | 57.16 |
| Stddev | .149 | 109. | .162 | .49 | .45 |
| %RSD | 2.903 | .1220 | 5.109 | 1.815 | .7788 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 5.226 | 88960. | 3.280 | 26.45 | 57.47 |
| #2 | 5.016 | 89110. | 3.051 | 27.14 | 56.84 |

Check ? Value Range

Sample Name: 828868 Acquired: 5/27/2010 23:21:12 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 973.9 | 83150. | 10510. | 14560. | 4119. |
| Stddev | 1.7 | . | 106. | 25. | 7. |
| %RSD | .1745 | .0002 | 1.012 | .1733 | .1796 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 972.7 | 83150. | 10440. | 14580. | 4124. |
| #2 | 975.1 | 83150. | 10590. | 14540. | 4114. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1106. | 1086. | 30.59 | 2818. | 333.8 |
| Stddev | 4. | 8. | .26 | 3. | .0 |
| %RSD | .3920 | .7172 | .8612 | .1221 | .0013 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1103. | 1081. | 30.78 | 2821. | 333.8 |
| #2 | 1109. | 1092. | 30.41 | 2816. | 333.8 |

Check ? Value Range

Sample Name: 828868 Acquired: 5/27/2010 23:21:12 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.583 | -3.959 | 5989. | 12.72 | 213.2 |
| Stddev | .358 | 2.312 | 18. | .72 | 1.0 |
| %RSD | 22.62 | 58.41 | .2928 | 5.691 | .4887 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -1.836 | -2.324 | 5977. | 13.23 | 212.5 |
| #2 | -1.330 | -5.594 | 6002. | 12.21 | 214.0 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 781.6 | -11.70 | 78.66 | 505.4 |
| Stddev | 1.3 | .65 | .56 | .4 |
| %RSD | .1697 | 5.581 | .7086 | .0814 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 780.7 | -12.16 | 78.27 | 505.7 |
| #2 | 782.6 | -11.24 | 79.05 | 505.1 |

Check ? Value Range

Sample Name: 828868 Acquired: 5/27/2010 23:21:12 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 427.47 | 4330.4 | 4508.7 | 5075.6 |
| Stddev | .77 | 4.5 | 22.2 | 12.7 |
| %RSD | .18002 | .10447 | .49250 | .25077 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 428.01 | 4327.2 | 4524.4 | 5084.6 |
| #2 | 426.92 | 4333.6 | 4493.0 | 5066.6 |

Sample Name: 828869 Acquired: 5/27/2010 23:25:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.680 | 74890. | 43.03 | 25.97 | 1241. |
| Stddev | .114 | 20. | .91 | .09 | 4. |
| %RSD | 3.096 | .0273 | 2.110 | .3635 | .3454 |

| | | | | | |
|---------|--------|--------|-------|-------|-------|
| #1 | -3.761 | 74900. | 43.68 | 26.04 | 1238. |
| #2 | -3.600 | 74870. | 42.39 | 25.90 | 1244. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.848 | 286600. | 2.378 | 50.26 | 104.2 |
| Stddev | .160 | 623. | .003 | .55 | .0 |
| %RSD | 2.330 | .2173 | .1201 | 1.096 | .0238 |

| | | | | | |
|---------|-------|---------|-------|-------|-------|
| #1 | 6.961 | 287100. | 2.380 | 49.87 | 104.2 |
| #2 | 6.735 | 286200. | 2.376 | 50.65 | 104.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828869 Acquired: 5/27/2010 23:25:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 319.2 | 111500. | 14790. | 46390. | 3517. |
| Stddev | 1.5 | 455. | 38. | 77. | 2. |
| %RSD | .4817 | .4080 | .2545 | .1665 | .0430 |

| | | | | | |
|---------|-------|---------|--------|--------|-------|
| #1 | 320.3 | 111800. | 14760. | 46340. | 3518. |
| #2 | 318.2 | 111200. | 14820. | 46450. | 3516. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 403.4 | 759.0 | 91.70 | 4188. | 239.1 |
| Stddev | .8 | 20.6 | .74 | 10. | 1.0 |
| %RSD | .1997 | 2.712 | .8056 | .2437 | .4019 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 403.9 | 773.5 | 92.22 | 4195. | 238.4 |
| #2 | 402.8 | 744.4 | 91.17 | 4181. | 239.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828869 Acquired: 5/27/2010 23:25:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.448 | -4.346 | 9758. | 7.904 | 763.3 |
| Stddev | 1.275 | 2.167 | 66. | .707 | 4.0 |
| %RSD | 23.41 | 49.85 | .6748 | 8.943 | .5201 |

| | | | | | |
|---------|--------|--------|-------|-------|-------|
| #1 | -6.349 | -2.814 | 9805. | 7.405 | 760.5 |
| #2 | -4.546 | -5.878 | 9712. | 8.404 | 766.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2194. | -9.564 | 211.2 | 438.0 |
| Stddev | 6. | 1.343 | 1.8 | .1 |
| %RSD | .2791 | 14.04 | .8689 | .0152 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 2199. | -8.614 | 212.5 | 438.1 |
| #2 | 2190. | -10.51 | 209.9 | 438.0 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828869 Acquired: 5/27/2010 23:25:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 403.99 | 4126.8 | 4303.1 | 4916.2 |
| Stddev | 1.43 | 8.7 | 5.9 | 46.9 |
| %RSD | .35519 | .21014 | .13701 | .95487 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 402.97 | 4120.7 | 4298.9 | 4949.4 |
| #2 | 405.00 | 4132.9 | 4307.2 | 4883.0 |

Sample Name: 828870 Acquired: 5/27/2010 23:29:09 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.504 | 150100. | 66.88 | 56.25 | 2841. |
| Stddev | .164 | 749. | .86 | .03 | 25. |
| %RSD | 6.539 | .4993 | 1.291 | .0514 | .8787 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -2.388 | 149600. | 67.49 | 56.27 | 2823. |
| #2 | -2.620 | 150600. | 66.27 | 56.23 | 2859. |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.07 | 548300. | 2.107 | 61.58 | 155.7 |
| Stddev | .11 | 949. | .299 | .13 | .1 |
| %RSD | .9602 | .1731 | 14.21 | .2071 | .0813 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 11.15 | 547600. | 1.896 | 61.49 | 155.7 |
| #2 | 11.00 | 548900. | 2.319 | 61.67 | 155.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828870 Acquired: 5/27/2010 23:29:09 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 209.3 | 158400. | 21420. | 68120. | 3710. |
| Stddev | .6 | 421. | 155. | 326. | 3. |
| %RSD | .3046 | .2657 | .7242 | .4789 | .0850 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 209.7 | 158700. | 21310. | 67890. | 3713. |
| #2 | 208.8 | 158100. | 21530. | 68350. | 3708. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 234.5 | 1636. | 115.3 | 5140. | 250.4 |
| Stddev | .2 | 43. | 1.0 | 1. | 1.7 |
| %RSD | .0772 | 2.640 | .8785 | .0233 | .6968 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 234.6 | 1605. | 114.5 | 5139. | 251.6 |
| #2 | 234.4 | 1666. | 116.0 | 5141. | 249.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828870 Acquired: 5/27/2010 23:29:09 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.044 | -7.292 | 10440. | 3.330 | 1549. |
| Stddev | .960 | 5.751 | 20. | 579 | 16. |
| %RSD | 10.62 | 78.87 | .1931 | 17.38 | 1.018 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | -9.723 | -11.36 | 10430. | 2.921 | 1538. |
| #2 | -8.365 | -3.225 | 10460. | 3.739 | 1560. |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4257. | -10.97 | 403.2 | 530.0 |
| Stddev | 6. | 1.33 | .8 | .5 |
| %RSD | .1439 | 12.16 | .1921 | .0996 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 4262. | -11.91 | 403.7 | 530.4 |
| #2 | 4253. | -10.03 | 402.6 | 529.6 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828870 Acquired: 5/27/2010 23:29:09 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 378.82 | 4169.5 | 4337.8 | 5023.2 |
| Stddev | 2.47 | 14.4 | 35.0 | 46.4 |
| %RSD | .65169 | .34469 | .80705 | .92406 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 377.08 | 4159.3 | 4313.0 | 5056.1 |
| #2 | 380.57 | 4179.7 | 4362.5 | 4990.4 |

Sample Name: CCV Acquired: 5/27/2010 23:33:09 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.51 | 29850. | 103.5 | 712.5 | 190.8 |
| Stddev | 1.18 | 165. | 2.4 | 3.8 | 6.5 |
| %RSD | 1.225 | .5543 | 2.280 | .5389 | 3.411 |
| #1 | 97.35 | 29960. | 101.8 | 709.8 | 186.2 |
| #2 | 95.68 | 29730. | 105.2 | 715.2 | 195.4 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.55 | 29170. | 97.52 | 190.3 | 193.4 |
| Stddev | .29 | 40. | .08 | .4 | .4 |
| %RSD | .2938 | .1387 | .0862 | .2096 | .1936 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 98.75 | 29200. | 97.46 | 190.0 | 193.1 |
| #2 | 98.34 | 29150. | 97.58 | 190.6 | 193.7 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 23:33:09 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 185.4 | 29770. | 30000. | 29210. | 189.7 |
| Stddev | .5 | 117. | 246. | 46. | .7 |
| %RSD | .2775 | .3926 | .8216 | .1576 | .3465 |
| #1 | 185.8 | 29850. | 30170. | 29250. | 190.2 |
| #2 | 185.1 | 29680. | 29820. | 29180. | 189.2 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.4 | 30060. | 187.2 | 202.4 | 398.7 |
| Stddev | .9 | 102. | .6 | 1.4 | .8 |
| %RSD | .4643 | .3395 | .3154 | .6722 | .2035 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 199.7 | 30130. | 186.7 | 201.4 | 398.2 |
| #2 | 201.1 | 29990. | 187.6 | 203.4 | 399.3 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 23:33:09 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 289.3 | 95.94 | 1001. | 195.3 | 301.6 |
| Stddev | 1.3 | .28 | 5. | .4 | .1 |
| %RSD | .4583 | .2924 | .5077 | .2289 | .0306 |
| #1 | 288.4 | 95.74 | 1005. | 195.6 | 301.5 |
| #2 | 290.2 | 96.14 | 997.3 | 195.0 | 301.6 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 393.8 | 98.26 | 197.7 | 197.9 |
| Stddev | 2.3 | .42 | .4 | .8 |
| %RSD | .5924 | .4254 | .1913 | .3983 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 395.5 | 97.97 | 197.5 | 197.3 |
| #2 | 392.2 | 98.56 | 198.0 | 198.5 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 23:33:09 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 424.98 | 3981.8 | 4146.8 | 4631.4 |
| Stddev | 1.74 | 16.5 | 2.1 | 4.6 |
| %RSD | .40861 | .41336 | .04953 | .10010 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 423.75 | 3970.2 | 4148.3 | 4628.2 |
| #2 | 426.21 | 3993.5 | 4145.4 | 4634.7 |

Sample Name: CCB Acquired: 5/27/2010 23:36:58 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6540 | -12.64 | 1.314 | .8199 | -3.552 |
| Stddev | .1481 | 4.88 | 1.732 | .5159 | 6.372 |
| %RSD | 22.65 | 38.65 | 131.8 | 62.92 | 179.4 |
| #1 | -5493 | -9.182 | .0898 | 1.185 | .9544 |
| #2 | -7587 | -16.09 | 2.539 | .4552 | -8.057 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0934 | 28.89 | -.2482 | -.6503 | .1040 |
| Stddev | .1480 | 44.34 | .1411 | .0056 | .1799 |
| %RSD | 158.5 | 153.5 | 56.85 | .8644 | 173.0 |
| #1 | -.0113 | -2.462 | -.3480 | -.6543 | -.0232 |
| #2 | .1980 | 60.24 | -.1484 | -.6463 | .2311 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/27/2010 23:36:58 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7943 | 5.380 | 171.1 | 34.14 | .0217 |
| Stddev | .9124 | 7.336 | 27.5 | 1.37 | .0074 |
| %RSD | 114.9 | 136.3 | 16.09 | 4.011 | 34.25 |
| #1 | 1.439 | .1934 | 190.6 | 35.11 | .0269 |
| #2 | .1491 | 10.57 | 151.6 | 33.17 | .0164 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4419 | 14.36 | 1.052 | -4.291 | -2.255 |
| Stddev | .4695 | 35.93 | .677 | 1.923 | 2.179 |
| %RSD | 106.3 | 250.2 | 64.36 | 44.83 | 96.64 |
| #1 | .7739 | 39.76 | .5732 | -5.651 | -3.796 |
| #2 | .1099 | -11.04 | 1.531 | -2.931 | -.7141 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/27/2010 23:36:58 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.024 | .4987 | -2.769 | -.1827 | .0308 |
| Stddev | .518 | .1051 | .912 | .8697 | .0092 |
| %RSD | 50.61 | 21.08 | 32.93 | 476.0 | 29.82 |
| #1 | -1.390 | .5730 | -3.414 | .4322 | .0243 |
| #2 | -.6574 | .4244 | -2.124 | -.7977 | .0373 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0458 | -.6685 | .0044 | -.1016 |
| Stddev | .8301 | .2973 | .2650 | .0207 |
| %RSD | 1811. | 44.48 | 5984. | 20.33 |
| #1 | -.6328 | -.8788 | -.1830 | -.1162 |
| #2 | .5411 | -.4583 | .1918 | -.0870 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/27/2010 23:36:58 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 456.23 | 4016.6 | 4186.4 | 4590.6 |
| Stddev | 1.16 | 1.6 | 7.2 | 23.5 |
| %RSD | .25404 | .04022 | .17116 | .51177 |
| #1 | 457.05 | 4015.4 | 4191.4 | 4574.0 |
| #2 | 455.41 | 4017.7 | 4181.3 | 4607.3 |

Sample Name: 828871 Acquired: 5/27/2010 23:40:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.390 | 135100. | 68.10 | 57.06 | 2966. |
| Stddev | .122 | 343. | 1.77 | 1.32 | 3. |
| %RSD | 5.102 | .2541 | 2.596 | 2.320 | .0995 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -2.477 | 134900. | 69.35 | 56.13 | 2968. |
| #2 | -2.304 | 135400. | 66.85 | 58.00 | 2964. |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.921 | 542800. | 2.150 | 59.61 | 144.6 |
| Stddev | .131 | 401. | .313 | .16 | .6 |
| %RSD | 1.469 | .0738 | 14.57 | .2629 | .3849 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 9.013 | 543100. | 1.929 | 59.72 | 144.9 |
| #2 | 8.828 | 542500. | 2.372 | 59.50 | 144.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828871 Acquired: 5/27/2010 23:40:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 234.8 | 148300. | 20680. | 70660. | 3412. |
| Stddev | .0 | 33. | 16. | 116. | 29. |
| %RSD | .0118 | .0220 | .0775 | .1637 | .8471 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 234.8 | 148300. | 20670. | 70580. | 3392. |
| #2 | 234.8 | 148300. | 20690. | 70740. | 3433. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 308.5 | 1876. | 112.9 | 4852. | 200.4 |
| Stddev | .4 | 3. | .2 | 10. | 1.6 |
| %RSD | .1361 | .1811 | .1697 | .2003 | .8095 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 308.2 | 1879. | 113.0 | 4859. | 201.6 |
| #2 | 308.7 | 1874. | 112.8 | 4845. | 199.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828871 Acquired: 5/27/2010 23:40:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.868 | -7.020 | 10930. | 5.174 | 1653. |
| Stddev | .925 | .498 | 18. | .467 | 8. |
| %RSD | 10.43 | 7.096 | .1605 | 9.031 | .4997 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | -9.522 | -7.372 | 10940. | 5.504 | 1659. |
| #2 | -8.214 | -6.668 | 10920. | 4.843 | 1647. |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3523. | -10.06 | 375.0 | 512.5 |
| Stddev | .98 | .98 | .3 | .5 |
| %RSD | .0108 | 9.729 | .0755 | .0889 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3523. | -9.371 | 375.2 | 512.8 |
| #2 | 3523. | -10.76 | 374.8 | 512.2 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828871 Acquired: 5/27/2010 23:40:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 378.22 | 4103.8 | 4260.4 | 4949.5 |
| Stddev | 1.73 | 2.2 | 7.3 | .7 |
| %RSD | .45770 | .05355 | .17046 | .01352 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 379.45 | 4105.3 | 4265.5 | 4950.0 |
| #2 | 377.00 | 4102.2 | 4255.2 | 4949.1 |

Sample Name: 828872 Acquired: 5/27/2010 23:44:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.147 | 121900. | 53.87 | 52.26 | 2528. |
| Stddev | 1.073 | 255. | .71 | .52 | 19. |
| %RSD | 34.11 | .2089 | 1.315 | .9910 | .7361 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -3.906 | 121700. | 53.37 | 51.89 | 2515. |
| #2 | -2.388 | 122000. | 54.37 | 52.62 | 2541. |

Check ? Value Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.946 | 481400. | 1.769 | 44.43 | 109.2 |
| Stddev | .296 | 1033. | .098 | .08 | .2 |
| %RSD | 3.724 | .2145 | 5.512 | .1826 | .1667 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 8.156 | 480700. | 1.700 | 44.38 | 109.1 |
| #2 | 7.737 | 482200. | 1.838 | 44.49 | 109.4 |

Check ? Value Range

Sample Name: 828872 Acquired: 5/27/2010 23:44:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 171.1 | 113200. | 17440. | 51840. | 2728. |
| Stddev | 1.1 | 62. | 52. | 50. | 14. |
| %RSD | .6650 | .0546 | .2965 | .0963 | .5091 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 171.9 | 113300. | 17410. | 51810. | 2737. |
| #2 | 170.3 | 113200. | 17480. | 51880. | 2718. |

Check ? Value Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.2 | 1036. | 87.81 | 3783. | 133.5 |
| Stddev | .6 | 2. | .74 | 1. | 3.1 |
| %RSD | .5725 | .2286 | .8429 | .0366 | 2.311 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 100.6 | 1034. | 88.34 | 3784. | 131.3 |
| #2 | 99.76 | 1038. | 87.29 | 3782. | 135.7 |

Check ? Value Range

Sample Name: 828872 Acquired: 5/27/2010 23:44:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.599 | -4.345 | 11200. | 6.496 | 1342. |
| Stddev | 1.095 | 1.644 | 13. | .571 | 3. |
| %RSD | 19.55 | 37.82 | .1126 | 8.796 | .2314 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | -4.825 | -5.507 | 11210. | 6.901 | 1344. |
| #2 | -6.373 | -3.183 | 11190. | 6.092 | 1340. |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2677. | -9.899 | 294.8 | 382.1 |
| Stddev | 2. | 1.669 | .7 | .3 |
| %RSD | .0692 | 16.86 | .2485 | .0756 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2678. | -8.719 | 294.3 | 382.3 |
| #2 | 2675. | -11.08 | 295.4 | 381.9 |

Check ? Value Range

Sample Name: 828872 Acquired: 5/27/2010 23:44:53 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 382.08 | 4065.0 | 4232.5 | 4894.9 |
| Stddev | .77 | 10.0 | 16.8 | 11.8 |
| %RSD | .20190 | .24489 | .39604 | .24206 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 381.53 | 4072.0 | 4220.7 | 4886.5 |
| #2 | 382.62 | 4057.9 | 4244.4 | 4903.2 |

Sample Name: 828873 Acquired: 5/27/2010 23:48:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.718 | 20790. | 23.23 | -7392 | 54.14 |
| Stddev | .634 | 21. | .18 | .4845 | 4.77 |
| %RSD | 17.06 | .0986 | .7643 | 65.54 | 8.809 |

#1 -3.270 20780. 23.11 -1.082 50.77
 #2 -4.167 20810. 23.36 -3.966 57.51

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.054 | 73720. | 2.786 | 17.78 | 20.37 |
| Stddev | .071 | 172. | .199 | .21 | .29 |
| %RSD | 1.743 | .2338 | 7.125 | 1.198 | 1.420 |

#1 4.104 73840. 2.646 17.63 20.17
 #2 4.004 73600. 2.927 17.93 20.58

Check ? None None None None None
 Value
 Range

Sample Name: 828873 Acquired: 5/27/2010 23:48:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 432.6 | 50010. | 5515. | 12150. | 4633. |
| Stddev | 2.4 | 309. | 24. | 109. | 30. |
| %RSD | .5574 | .6171 | .4433 | .8977 | .6510 |

#1 434.4 50230. 5532. 12220. 4654.
 #2 430.9 49790. 5498. 12070. 4611.

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 493.3 | 479.0 | 18.07 | 1724. | 389.2 |
| Stddev | 3.2 | 15.3 | .24 | 5. | .0 |
| %RSD | .6412 | 3.197 | 1.348 | .2931 | .0005 |

#1 491.1 489.8 18.24 1720. 389.2
 #2 495.5 468.2 17.90 1727. 389.2

Check ? None None None None None
 Value
 Range

Sample Name: 828873 Acquired: 5/27/2010 23:48:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.147 | -6.205 | 4975. | 11.60 | 161.7 |
| Stddev | .103 | 1.982 | 18. | .34 | .0 |
| %RSD | 3.288 | 31.95 | .3621 | 2.955 | .0148 |

#1 -3.074 -4.803 4988. 11.84 161.7
 #2 -3.220 -7.607 4962. 11.36 161.7

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 416.2 | -14.43 | 58.93 | 462.3 |
| Stddev | 2.9 | .59 | .31 | 1.3 |
| %RSD | .6910 | 4.092 | .5318 | .2746 |

#1 418.3 -14.84 59.15 461.4
 #2 414.2 -14.01 58.71 463.2

Check ? None None None None
 Value
 Range

Sample Name: 828873 Acquired: 5/27/2010 23:48:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 431.24 | 4286.1 | 4467.1 | 4949.3 |
| Stddev | 1.02 | 38.5 | 5.9 | 7.8 |
| %RSD | .23654 | .89869 | .13295 | .15751 |

#1 430.52 4258.9 4462.9 4943.8
 #2 431.96 4313.4 4471.3 4954.8

Sample Name: 828874 Acquired: 5/27/2010 23:52:51 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.943 | 180500. | 78.52 | 83.74 | 4026. |
| Stddev | .732 | 72. | 2.07 | .68 | 8. |
| %RSD | 24.88 | .0397 | 2.638 | .8151 | .1945 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -2.425 | 180400. | 79.98 | 84.23 | 4032. |
| #2 | -3.461 | 180500. | 77.06 | 83.26 | 4021. |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.47 | 746100. | 1.422 | 60.00 | 144.3 |
| Stddev | .07 | 1474. | .341 | .34 | .2 |
| %RSD | .6984 | .1976 | 23.98 | .5619 | .1693 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 10.52 | 747200. | 1.181 | 60.24 | 144.5 |
| #2 | 10.41 | 745100. | 1.663 | 59.76 | 144.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828874 Acquired: 5/27/2010 23:52:51 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 144.4 | 155400. | 25090. | 78130. | 3221. |
| Stddev | .0 | 89. | 116. | 65. | 32. |
| %RSD | .0182 | .0570 | .4633 | .0827 | .9945 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 144.4 | 155500. | 25170. | 78180. | 3244. |
| #2 | 144.4 | 155400. | 25000. | 78090. | 3198. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 76.62 | 1919. | 119.9 | 5206. | 141.1 |
| Stddev | .53 | 64. | .5 | 5. | .9 |
| %RSD | .6954 | 3.323 | .4235 | .0910 | .6698 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 76.99 | 1964. | 120.3 | 5209. | 140.5 |
| #2 | 76.24 | 1874. | 119.6 | 5203. | 141.8 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828874 Acquired: 5/27/2010 23:52:51 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.639 | -2.415 | 10590. | 5.890 | 2106. |
| Stddev | .075 | 1.303 | 55. | 1.830 | 13. |
| %RSD | .7742 | 53.94 | .5197 | 31.07 | .5953 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | -9.692 | -1.494 | 10620. | 4.596 | 2097. |
| #2 | -9.586 | -3.337 | 10550. | 7.184 | 2115. |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3679. | -9.329 | 437.6 | 453.2 |
| Stddev | 14. | 1.560 | .5 | .2 |
| %RSD | .3852 | 16.72 | .1251 | .0375 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3689. | -10.43 | 438.0 | 453.3 |
| #2 | 3669. | -8.226 | 437.3 | 453.1 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828874 Acquired: 5/27/2010 23:52:51 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 369.83 | 4148.6 | 4297.6 | 5005.4 |
| Stddev | 1.52 | 7.0 | 6.8 | .7 |
| %RSD | .41071 | .16981 | .15739 | .01444 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 370.91 | 4143.6 | 4302.3 | 5004.9 |
| #2 | 368.76 | 4153.6 | 4292.8 | 5006.0 |

Sample Name: 828875 Acquired: 5/27/2010 23:56:52 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.996 | 154100. | 67.10 | 69.12 | 3378. |
| Stddev | .583 | 434. | 2.02 | .82 | 9. |
| %RSD | 19.46 | .2819 | 3.015 | 1.180 | .2646 |
| #1 | -3.408 | 153800. | 65.67 | 68.54 | 3385. |
| #2 | -2.584 | 154400. | 68.53 | 69.69 | 3372. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.586 | 649800. | 1.532 | 55.41 | 140.3 |
| Stddev | .025 | 586. | .155 | .25 | .4 |
| %RSD | .2573 | .0901 | 10.13 | .4504 | .2890 |
| #1 | 9.568 | 649400. | 1.423 | 55.59 | 140.0 |
| #2 | 9.603 | 650300. | 1.642 | 55.24 | 140.6 |

Check ? Value Range
 None None None None None

Sample Name: 828875 Acquired: 5/27/2010 23:56:52 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 170.4 | 142400. | 23190. | 68560. | 3235. |
| Stddev | 1.1 | 516. | 129. | 147. | 11. |
| %RSD | .6223 | .3626 | .5544 | .2141 | .3517 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 171.2 | 142800. | 23100. | 68460. | 3243. |
| #2 | 169.7 | 142000. | 23280. | 68660. | 3227. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 149.1 | 1511. | 109.1 | 4943. | 149.6 |
| Stddev | .9 | 11. | .3 | 7. | 1.9 |
| %RSD | .6087 | .7195 | .2591 | .1325 | 1.301 |
| #1 | 148.4 | 1503. | 109.3 | 4938. | 150.9 |
| #2 | 149.7 | 1519. | 108.9 | 4948. | 148.2 |

Check ? Value Range
 None None None None None

Sample Name: 828875 Acquired: 5/27/2010 23:56:52 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.757 | -3.630 | 10480. | 6.852 | 1810. |
| Stddev | .792 | .837 | 64. | 1.075 | 16. |
| %RSD | 13.76 | 23.05 | .6062 | 15.68 | .8785 |
| #1 | -5.197 | -4.222 | 10520. | 6.092 | 1799. |
| #2 | -6.317 | -3.038 | 10430. | 7.612 | 1822. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3323. | -8.790 | 381.7 | 454.6 |
| Stddev | 2. | 4.195 | 1.6 | .7 |
| %RSD | .0611 | 47.73 | .4237 | .1517 |
| #1 | 3325. | -11.76 | 382.8 | 454.1 |
| #2 | 3322. | -5.823 | 380.6 | 455.1 |

Check ? Value Range
 None None None None

Sample Name: 828875 Acquired: 5/27/2010 23:56:52 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 365.15 | 4009.0 | 4174.1 | 4788.1 |
| Stddev | 2.42 | 15.2 | 12.6 | 2.9 |
| %RSD | .66406 | .38016 | .30068 | .05984 |
| #1 | 363.44 | 3998.3 | 4165.2 | 4790.1 |
| #2 | 366.87 | 4019.8 | 4183.0 | 4786.0 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 363.44 | 3998.3 | 4165.2 | 4790.1 |
| #2 | 366.87 | 4019.8 | 4183.0 | 4786.0 |

Sample Name: 828876 Acquired: 5/28/2010 0:00:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.592 | 82740. | 40.69 | 34.61 | 1054. |
| Stddev | .496 | 260. | 2.56 | .84 | 1. |
| %RSD | 13.82 | .3138 | 6.284 | 2.439 | .0943 |

| | | | | | |
|---------|--------|--------|-------|-------|-------|
| #1 | -3.241 | 82560. | 42.50 | 34.02 | 1053. |
| #2 | -3.943 | 82930. | 38.88 | 35.21 | 1055. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.029 | 275200. | 3.804 | 44.93 | 102.7 |
| Stddev | .218 | 902. | .045 | .24 | .0 |
| %RSD | 3.107 | .3276 | 1.176 | .5422 | .0333 |

| | | | | | |
|---------|-------|---------|-------|-------|-------|
| #1 | 7.183 | 274600. | 3.772 | 44.75 | 102.7 |
| #2 | 6.875 | 275800. | 3.836 | 45.10 | 102.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828876 Acquired: 5/28/2010 0:00:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 355.8 | 107600. | 15020. | 43180. | 4440. |
| Stddev | .2 | 101. | 50. | 198. | 17. |
| %RSD | .0616 | .0941 | .3309 | .4592 | .3892 |

| | | | | | |
|---------|-------|---------|--------|--------|-------|
| #1 | 355.6 | 107500. | 15050. | 43040. | 4428. |
| #2 | 355.9 | 107600. | 14980. | 43320. | 4453. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 307.6 | 818.9 | 79.60 | 3872. | 256.9 |
| Stddev | .4 | 14.3 | .47 | 1. | 4.9 |
| %RSD | .1237 | 1.751 | .5902 | .0359 | 1.917 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 307.8 | 829.0 | 79.27 | 3871. | 253.4 |
| #2 | 307.3 | 808.7 | 79.93 | 3873. | 260.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828876 Acquired: 5/28/2010 0:00:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.765 | -4.733 | 10650. | 7.886 | 814.2 |
| Stddev | .549 | .006 | 21. | .368 | 7.7 |
| %RSD | 9.521 | .1331 | .1959 | 4.673 | .9429 |

| | | | | | |
|---------|--------|--------|--------|-------|-------|
| #1 | -5.377 | -4.737 | 10630. | 7.626 | 819.6 |
| #2 | -6.153 | -4.729 | 10660. | 8.147 | 808.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWRD) | (In2306) | (Y_HWRD) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2142. | -13.70 | 224.2 | 678.2 |
| Stddev | 3. | 1.38 | .2 | .7 |
| %RSD | .1213 | 10.10 | .1070 | .0962 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 2140. | -14.68 | 224.0 | 677.7 |
| #2 | 2143. | -12.72 | 224.4 | 678.7 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828876 Acquired: 5/28/2010 0:00:54 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 387.05 | 4048.0 | 4218.8 | 4732.3 |
| Stddev | 2.23 | 4.1 | 21.1 | 17.5 |
| %RSD | .57740 | .10069 | .49941 | .36929 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 388.63 | 4050.9 | 4203.9 | 4720.0 |
| #2 | 385.46 | 4045.2 | 4233.7 | 4744.7 |

Sample Name: CCV Acquired: 5/28/2010 0:04:57 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.49 | 30090. | 103.3 | 715.0 | 192.1 |
| Stddev | .44 | .74 | 1.9 | 3.9 | 4.3 |
| %RSD | .4522 | .2452 | 1.886 | .5405 | 2.263 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 96.80 | 30140. | 104.7 | 712.3 | 189.0 |
| #2 | 96.18 | 30030. | 101.9 | 717.7 | 195.1 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.55 | 29220. | 97.87 | 191.4 | 193.8 |
| Stddev | .39 | .54 | .34 | .9 | .1 |
| %RSD | .3930 | .1839 | .3486 | .4635 | .0343 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 98.82 | 29190. | 97.63 | 190.7 | 193.7 |
| #2 | 98.27 | 29260. | 98.11 | 192.0 | 193.8 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 0:04:57 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 184.2 | 29640. | 30120. | 29280. | 189.4 |
| Stddev | 1.0 | 115. | 115. | 23. | 6 |
| %RSD | .5236 | .3861 | .3809 | .0789 | .3261 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 184.9 | 29720. | 30040. | 29260. | 189.8 |
| #2 | 183.6 | 29560. | 30200. | 29300. | 188.9 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.8 | 30380. | 187.4 | 204.5 | 398.0 |
| Stddev | 1.2 | 84. | .8 | 2.2 | .1 |
| %RSD | .5985 | .2750 | .4476 | 1.098 | .0373 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 200.0 | 30440. | 186.9 | 206.1 | 398.1 |
| #2 | 201.7 | 30320. | 188.0 | 202.9 | 397.9 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 0:04:57 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 290.5 | 100.9 | 999.2 | 194.8 | 307.7 |
| Stddev | 1.3 | .7 | 1.5 | .4 | 4.4 |
| %RSD | .4548 | .7408 | .1482 | .1894 | 1.442 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 289.6 | 101.4 | 1000. | 195.1 | 310.8 |
| #2 | 291.5 | 100.4 | 998.1 | 194.5 | 304.6 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 394.0 | 97.82 | 196.6 | 197.8 |
| Stddev | .5 | .95 | .2 | .1 |
| %RSD | .1369 | .9743 | .1239 | .0424 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 394.3 | 97.15 | 196.4 | 197.8 |
| #2 | 393.6 | 98.50 | 196.8 | 197.9 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 0:04:57 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 409.55 | 3851.5 | 3991.9 | 4375.0 |
| Stddev | .05 | 5.3 | 1.1 | 38.5 |
| %RSD | .01247 | .13747 | .02727 | .88111 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.59 | 3855.3 | 3992.7 | 4347.7 |
| #2 | 409.52 | 3847.8 | 3991.1 | 4402.2 |

Sample Name: CCB Acquired: 5/28/2010 0:08:45 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2433 | -17.88 | -2797 | 1.710 | 2.278 |
| Stddev | .3739 | 17.21 | .2919 | .902 | .085 |
| %RSD | 153.7 | 96.23 | 104.4 | 52.77 | 3.713 |
| #1 | -5.077 | -5.714 | -4.861 | 2.348 | 2.338 |
| #2 | .0211 | -30.05 | -.0732 | 1.072 | 2.218 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0591 | -45.16 | -.3522 | -.7423 | .0034 |
| Stddev | .1174 | 1.65 | .0285 | .0905 | .2355 |
| %RSD | 198.8 | 3.661 | 8.079 | 12.20 | 6995. |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | -.1421 | -46.33 | -.3321 | -.6783 | .1699 |
| #2 | .0240 | -43.99 | -.3723 | -.8063 | -.1632 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/28/2010 0:08:45 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.233 | 15.49 | 15.94 | 68.40 | .0960 |
| Stddev | .519 | 1.47 | 58.13 | 53.58 | .0911 |
| %RSD | 42.09 | 9.483 | 364.6 | 78.34 | 94.85 |
| #1 | 1.600 | 14.46 | 57.05 | 106.3 | .0316 |
| #2 | .8660 | 16.53 | -25.16 | 30.51 | .1604 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4029 | -43.39 | .5598 | -3.153 | -1.856 |
| Stddev | .2218 | 1.42 | .4831 | .765 | .137 |
| %RSD | 55.06 | 3.266 | 86.29 | 24.27 | 7.379 |

| | | | | | |
|----|-------|--------|-------|--------|--------|
| #1 | .5598 | -44.39 | .2182 | -2.612 | -1.760 |
| #2 | .2461 | -42.39 | .9014 | -3.694 | -1.953 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/28/2010 0:08:45 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.176 | 2.077 | -1.101 | .2842 | .0228 |
| Stddev | .277 | .784 | 6.404 | .2182 | .0422 |
| %RSD | 23.54 | 37.73 | 581.9 | 76.80 | 185.2 |

| | | | | | |
|----|--------|-------|--------|-------|--------|
| #1 | -.9800 | 2.632 | 3.428 | .4385 | .0526 |
| #2 | -1.371 | 1.523 | -5.629 | .1299 | -.0071 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0151 | 1.230 | -1.204 | -.1800 |
| Stddev | .7078 | 3.313 | .4704 | .0501 |
| %RSD | 4692. | 269.4 | 390.6 | 27.84 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | .4854 | -1.113 | -.4530 | -.1446 |
| #2 | -.5156 | 3.572 | .2122 | -.2154 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/28/2010 0:08:45 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 443.28 | 3881.8 | 4051.6 | 4371.0 |
| Stddev | .40 | 5.0 | 11.1 | 11.0 |
| %RSD | .09058 | .12884 | .27460 | .25115 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 443.00 | 3878.2 | 4043.7 | 4363.3 |
| #2 | 443.56 | 3885.3 | 4059.5 | 4378.8 |



Sample Preparation – Metals

| STANDARD TRACEABILITY RECORDS | | |
|-------------------------------------|----------------------|--|
| ICP-OES Instrument | | |
| Date: 5/27/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 052710-01 | IFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052710-02 | IFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052710-03 | ILW | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052710-04 | ILW | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | Lot Number | |
| Used for all methods | | |
| STD 7: | MESTD7W 00012 | |
| STD 8: | MESTD8W 00008 | |
| STD 4: | MESTD4W 00012 | |
| ICV: | MEICVW 00005 | |
| CCV: | MECCVW 00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME 5%2% RINSEW 00015 | |
| Internal Standard Solution: | MEICP7ISW 00007 | |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | ME 6010 ICSAW 00008 | |
| ICSAB 6010: | ME 6010 ICSABW 00001 | |
| CRI 6010: | ME 6010 CAIW 00006 | |
| DOD LRV Solution: | ME DOD CRVW 00004 | |
| 6010 Post Spiking Solution: | ME SPIKE #1W 00008 | |
| 5 PPM AG: | | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | | |
| ICSA ILM05.4: | | |
| ICSAB ILM05.4: | | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

WFS00 137168

METALS DIGESTION LOG

| Batch Information: | | | Method Information: | | | Reagent & Standard Traceability: | | |
|--------------------|----------------------|---------|---------------------|---------------------------|---|----------------------------------|--|--|
| Date: 5/26/10 | Digestion Method(s): | ILM04.1 | ILM05.4 | HCl Tag ID: MTL0410500014 | LCS Lot # M51MS #110008/MTL05000003/MS02467 | | | |
| Start Time: 1730 | 3005AES | 3005MS | 3010AES | 3010MS | mL Spike Added 1.0 | | | |
| Stop Time: 2040 | 3050AES | 3050MS | 200.7 | 200.8 DW | mL True Value 1.0 | | | |
| Analyst: JN | TIMS | CEC | SAR | | mL MS Lot # M51MS #110008/MTL05000003/MS02467 | | | |
| Spike Analyst: JN | Matrix: | Water | Tissue | Air | mL Spike Added 1.0 | | | |
| Spike Witness: JN | | Soil | | | mL True Value 1.0 | | | |

| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Before Digestion | | | After Digestion | | |
|------------|-----------|-------------------------------|--------------|------------------|---------|---------|-----------------|--------|---------|
| | | | | Color | Clarity | Texture | Artifacts | Color | Clarity |
| P850526106 | | 1.00 | 1.00 | | | | | | |
| L550526106 | | 1.00 | | | | | | | |
| 828857 | A1 | 1.20 | | Yellow | | meel. | | Yellow | cloudy |
| 828858 | 5/10 | 1.12 | | | | | | | |
| 828859 | | 1.11 | | | | | | | |
| 828859MS | | 1.16 | | | | | | | |
| 828859DP | | 1.11 | | | | | | | |
| 828860 | | 1.24 | | | | | | | |
| 828861 | | 1.34 | | | | | | | |
| 828862 | | 1.12 | | | | | | | |
| 828863 | | 1.16 | | | | | | | |
| 828864 | | 1.26 | | | | | | | |
| 828865 | | 1.24 | | | | | | | |
| 828866 | | 1.12 | | | | | | | |
| 828867 | | 1.26 | | | | | | | |
| 828868 | | 1.11 | | | | | | | |
| 828869 | | 1.20 | | | | | | | |
| 828870 | | 1.26 | | | | | | | |
| 828871 | | 1.14 | | | | | | | |
| 828872 | | 1.11 | | | | | | | |
| 828873 | | 1.24 | | | | | | | |
| 828874 | | 1.13 | | | | | | | |
| 828875 | | 1.11 | | | | | | | |
| 828876 | | | | | | | | | |

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

| | | | | | | | | | | | | | | | | |
|------------------------|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|
| Digestion Temperature: | Block 1 | °C | Block 2 | °C | Block 3 | °C | Block 4 | °C | Block 5 | °C | Block 6 | °C | Block 7 | °C | Block 8 | °C |
| | | | | | | | | | 45 | | 45 | | | | | |



Sample Handling



DO NOT LIFT USING THIS TAG

| | | | |
|------------------------------------|---|--------------------------|--|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number | |
| Company | TUE - 04 MAY AA PRIORITY OVERNIGHT | Suite/Room | |
| Street Address | | des) | |
| City | | | |

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MPS# 8716 0065 9970
Mstr# 8675 7103 9650 0215

XH BTVA

05403
VT-US
BTVA



Emp# 588578 03MAY18 APAA

1120

DO NOT LIFT USING THIS TAG

| | | | |
|---------------------------|--|------------------------------------|--|
| Recipient's Phone Number | | TD (Recipient's Name) Please Print | |
| FedEx | | XH BTVA | |
| 0002 OF 0006 | | 05403 | |
| MPS# 8716 0065 9960 | | VT-US | |
| Mstr# 8675 7103 9650 0215 | | BTV | |
| Site/Room | | Company | |
| City | | Street Address | |
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TUE - 04 MAY AA
PRIORITY OVERNIGHT

05403
VT-US
BTV



2004

| TestAmerica Burlington SAMPLE RECEIPT & LOG IN CHECKLIST | | | |
|---|-------------------------------------|---------------------------------------|-------------------------------------|
| Client: <u>WRSCOD</u> | | Date Received: <u>05/04/10</u> | Log In Date: <u>05/04/10</u> |
| ETR: <u>137168</u> | | Time Received: <u>1015</u> | By: <u>[Signature]</u> |
| SDG: <u>137168</u> | | Received By: <u>[Signature]</u> | Signature: <u>[Signature]</u> |
| Project: <u>290600</u> | | # Coolers Received: <u>6</u> | PM Signature: <u>[Signature]</u> |
| Samples Delivered By: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify) | | | Date: <u>5.6.10</u> |
| List Air bill Number(s) or Attach a photocopy of the Air Bill: | | | |
| COOLER SCREEN | | | |
| There is <u>no</u> evidence to indicate tampering | YES | NO | NA |
| Custody seals are present and intact | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Custody seal numbers are present | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If yes, list custody seal numbers: | | | |
| Thermal Preservation Type: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other (specify) | | | |
| IR Gun ID: <u>96</u> | | Correction Factor (CF) = <u>-2</u> °C | |
| Cooler 1: <u>2.0</u> °C | Cooler 6: <u>4.3</u> °C | Cooler 11: °C | Cooler 16: °C |
| Cooler 2: <u>2.2</u> °C | Cooler 7: °C | Cooler 12: °C | Cooler 17: °C |
| Cooler 3: <u>4.2</u> °C | Cooler 8: °C | Cooler 13: °C | Cooler 18: °C |
| Cooler 4: <u>0.6</u> °C | Cooler 9: °C | Cooler 14: °C | Cooler 19: °C |
| Cooler 5: <u>2.8</u> °C | Cooler 10: °C | Cooler 15: °C | Cooler 20: °C |
| Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun | | | |
| EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen. | | | |
| Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified. | | | |
| SAMPLE CONDITION | | | |
| Sample containers were received intact | YES | NO | NA |
| Legible sample labels are affixed to each container | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| CHAIN OF CUSTODY (COC) | | | |
| COC is present and includes the following information for each container: | YES | NO | NA |
| • Sample ID / Sample Description | <input checked="" type="checkbox"/> | | |
| • Date of Sample Collection | <input checked="" type="checkbox"/> | | |
| • Time of Sample Collection | <input checked="" type="checkbox"/> | | |
| • Identification of the Sampler | <input checked="" type="checkbox"/> | | |
| • Preservation Type | | | <input checked="" type="checkbox"/> |
| • Requested Tests Method(s) | <input checked="" type="checkbox"/> | | |
| • Necessary Signatures | <input checked="" type="checkbox"/> | | |
| Internal Chain of Custody (ICOC) Required | | <input checked="" type="checkbox"/> | |
| If yes to above, ICOC Record initiated for every Worksheet | | | <input checked="" type="checkbox"/> |
| SAMPLE INTEGRITY/USABILITY | | | |
| The sample container matches the COC | YES | NO | NA |
| Appropriate sample containers were received for the tests requested | <input checked="" type="checkbox"/> | | |
| Samples were received within holding time | <input checked="" type="checkbox"/> | | |
| Sufficient amount of sample is provided for requested analyses | <input checked="" type="checkbox"/> | | |
| VOA vials do not have headspace or a bubble >6mm (1/4" diameter) | | | <input checked="" type="checkbox"/> |
| Appropriate preservatives were used for the tests requested | | | <input checked="" type="checkbox"/> |
| pH of inorganic samples checked and is within method specification | | | <input checked="" type="checkbox"/> |
| If no, attach Inorganic Sample pH Adjustment Form | | | <input checked="" type="checkbox"/> |
| ANOMALY / NCR SUMMARY | | | |
| <u>Samples CYR3 TRI-1-TAYD-SOL, CYR3 TRI-3-TAIN-SOL, and CYR3 TRI-5-TAIN-TLG need to be cooled at 2.0°C, all other vials at this temp need to be cooled at 4.2°C, copies of air bills attached.</u> | | | |

TestAmerica
South Burlington, VT
Extended Data Package

137169

TestAmerica Laboratories, Inc.

June 1, 2010

Ms. Sheri O'Conner
URS Operating Services, Inc.
1099 18th Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: CMI; SDG: 137169

Dear Ms. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137169 | | | |
| 828877 | CVR3TR2-2-T01N-TLG | 04/29/10 | SOIL |
| 828878 | CVR3TR2-2-T02N-SOL | 04/29/10 | SOIL |
| 828879 | CVR3TR2-2-T03N-SOL | 04/29/10 | SOIL |
| 828880 | CVR3TR2-3-T01N-SOL | 04/29/10 | SOIL |
| 828881 | CVR3TR2-3-T01N-SOL | 04/29/10 | SOIL |
| 828882 | CVR3TR2-3-T02N-SOL | 04/29/10 | SOIL |
| 828883 | CVR3TR2-3-T03N-SOL | 04/29/10 | SOIL |
| 828884 | CVR3TR2-3-T04N-SOL | 04/29/10 | SOIL |
| 828885 | CVR3TR3-1-T01N-SOL | 04/28/10 | SOIL |
| 828886 | CVR3TR3-1-T01N-TLG | 04/28/10 | SOIL |
| 828886DP | CVR3TR3-1-T01N-TLGREP | 04/28/10 | SOIL |
| 828886MD | CVR3TR3-1-T01N-TLGMSD | 04/28/10 | SOIL |
| 828887 | CVR3TR3-1-T02N-SOL | 04/29/10 | SOIL |
| 828888 | CVR3TR3-1-T04N-SOL | 04/29/10 | SOIL |
| 828889 | CVR3TR3-2-T01N-SOL | 04/28/10 | SOIL |
| 828890 | CVR3TR3-2-T01N-TLG | 04/28/10 | SOIL |
| 828891 | CVR3TR3-2-T02N-SOL | 04/29/10 | SOIL |
| 828892 | CVR3TR3-2-T04N-SOL | 04/29/10 | SOIL |
| 828893 | CVR3TR3-3-T01N-SOL | 04/29/10 | SOIL |
| 828894 | CVR3TR3-3-T01N-TLG | 04/29/10 | SOIL |
| 828895 | CVR3TR3-3-T02N-SOL | 04/29/10 | SOIL |
| 828896 | CVR3TR3-3-T03N-SOL | 04/29/10 | SOIL |



Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B

Molybdenum exhibited a low recovery (50.2%) in the spike sample recovery. The method control limits are set at 80-120% recovery. Please refer to report for details.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joseph Carabillo', is written over a light blue horizontal line.

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|---|------------|
| Chain of Custody..... | 2 |
| Sample Report Summary Wet Chemistry | 6 |
| Supportive Documentation Wet Chemistry | 28 |
| Sample Report Summary Metals | 32 |
| QC Summary Metals | 54 |
| Supportive Documentation Metals | 84 |
| Sample Preparation Metals | 151 |
| Sample Handling | 155 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

URS Corporation • 8181 E. Tufts Avenue, Denver, CO 80237 • 303-694-2770 • Fax 303-694-3946

PAGE 3 OF 6

| | | | | | | | | | | | | | | | | | | | |
|--|--|---|---------------|------|--------|--|----------------------|---|------|---|-------|---|-------|------------|------|------------|------------|-----------|--------------|
| Project Name CMI Soil + Vegetation | | Project Number 22241609.02000 | | | | | | | | | | | | | | | | | |
| Project Manager Marc Soellner | | Report CC shervi-o'connor@urcorp.com | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | FAX # (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5247 | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | |
| Sampler's Signature Liz Best | | Sampler's Signature Liz Best | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | SAMPLING DATE | TIME | MATRIX | Total Number of Containers 0 | Total Metals more | Inorganic Suite (see notes) | VOCs | BTEX | TPH-G | TPH-D | SVOCs | Pesticides | PCBs | Explosives | PCDD/PCDFs | Herbicide | PRESERVATIVE |
| CVR 3 TR 2-1-T01N-TUG | | | 04/29/10 | 0755 | OS | | | | | | | | | | | | | | |
| CVR 3 TR 2-1-T03N-SOL | | | 04/29/10 | 1620 | | | | | | | | | | | | | | | |
| CVR 3 TR 2-1-T04N-SOL | | | 04/29/10 | 1640 | | | | | | | | | | | | | | | |
| CVR 3 TR 2-2-T01N-SOL | | | 04/29/10 | 0530 | | | | | | | | | | | | | | | |
| CVR 3 TR 2-2-T01N-TUG | | | 04/29/10 | 0825 | | | | | | | | | | | | | | | |
| CVR 3 TR 2-2-T02N-SOL | | | 04/29/10 | 1515 | | | | | | | | | | | | | | | |
| CVR 3 TR 2-2-T03N-SOL | | | 04/29/10 | 1545 | | | | | | | | | | | | | | | |
| CVR 3 TR 2-3-T01N-SOL | | | 04/29/10 | 0900 | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | | | | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | TURNAROUND REQUIREMENTS RUSH (surcharges apply) 24 hr 48 hr 5 day | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No per work order | | INVOICE INFORMATION PO# BILL TO: Sheri O'Connor SUBMISSION #: | | | | | | | |
| URS Contact: shervi-o'connor@urcorp.com | | | | | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | CUSTODY SEALS: N | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 4.2 | | | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | |

COPY - ORIGINAL FILE
SDG # 137169 Cooler # 137168

White and Yellow to lab

Pink - sample management

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

URS Corporation • 8181 E. Tufts Avenue, Denver, CO 80237 • 303-694-2770 • Fax 303-694-3946 PAGE 4 OF 6

| Project Name CMI Soil + Vegetation | | | Project Number 22241609.02000 | | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|---|--|----------------------------|---|--------------------|--|--------|--|----------------------------|--|---|--|-----------------------------|--|------|--|-----|--|-------|--|-------|--|-------|--|------------|--|------|--|------------|--|------------|--|---|--|--------------|--|
| Project Manager Marc Soellner | | | Report CC sheri-o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | | FAX # (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5297 | | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature Liz Best | | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | | FOR LAB USE ONLY | | SAMPLING | | TIME | | MATRIX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | DATE | | 0855 | | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T01N-SOL | | | | | 04/24/10 | | 0855 | | S | | Total Number of Containers | | 0 | | Inorganic Suite (see notes) | | VOCs | | BTX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| CVR3TR2-3-T02N-SOL | | | | | 04/24/10 | | 1415 | | | | 1 | | X | | | | | | | | | | | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | | | |
| CVR3TR2-3-T03N-SOL | | | | | 04/24/10 | | 1335 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T04N-SOL | | | | | 04/24/10 | | 1400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-1-T01N-SOL | | | | | 04/28/10 | | 1630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-1-T01N-TLG | | | | | 04/28/10 | | 1630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-1-T02N-SOL | | | | | 04/29/10 | | 0840 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-1-T04N-SOL | | | | | 04/24/10 | | 0840 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| URS Contact: sheri-o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| See SOW <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| See QAPP <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 4.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY | | | RECEIVED BY | | RELINQUISHED BY | | CUSTODY SEALS: Y N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signature Liz Best | | | Signature Liz Best | | Signature Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printed Name Liz Best | | | Printed Name Liz Best | | Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Firm URS | | | Firm URS | | Firm URS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date/Time 05/03/10 1500 | | | Date/Time 05/04/10 1215 | | Date/Time 05/04/10 1215 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Cooler _____ of _____

Pink - sample management

White and Yellow to lab

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

URS Corporation • 8181 E. Tufts Avenue, Denver, CO 80237 • 303-694-2770 • Fax 303-694-3946

PAGE 5 OF 6

Work Order #

| Project Name | | Project Number | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------|----------------------------|--|--|--|--------|--|--|--|-----------------------------|--|---|--|------|--|--|--|-------|--|---|--|------------|--|------------|--|------------|--|------------|--|------------|--|--------------|--|--|--|
| CMI Soil + Vegetation | | 22241609.02000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager | | Report CC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maya Soellner | | sheri-o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8181 E Tufts Ave | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Denver, CO 80237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # | FAX # | SAMPLING | | DATE | | TIME | | MATRIX | | Total Number of Containers | | Inorganic Suite (see notes) | | VOCs | | BTX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| (303) 332-5297 | (303) 694-3946 (URS) | LIE Best | | 04/28/10 | | 1705 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | |
| Sampler's Signature | LIE Best | USE ONLY | | DATE | | TIME | | MATRIX | | Total Number of Containers | | Inorganic Suite (see notes) | | VOCs | | BTX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| | | FOR LAB | | DATE | | TIME | | MATRIX | | Total Number of Containers | | Inorganic Suite (see notes) | | VOCs | | BTX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| FIELD SAMPLE ID | FOR LAB | DATE | | TIME | | MATRIX | | Total Number of Containers | | Inorganic Suite (see notes) | | VOCs | | BTX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | | | |
| CVR3 TR3-2- T01N-SOL | USE ONLY | 04/28/10 | | 1705 | | S | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TR3-2- T01N-TLG | | 04/28/10 | | 1700 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TR3-2- T02N-SOL | | 04/29/10 | | 1020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TR3-2- T04-SOL | | 04/29/10 | | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TR3-3- T01N-SOL | | 04/29/10 | | 0730 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TR3-3- T01N-TLG | | 04/29/10 | | 0725 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TR3-3- T02N-SOL | | 04/29/10 | | 1135 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TR3-3- T03N-SOL | | 04/29/10 | | 1110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS | | | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | | | TURNAROUND REQUIREMENTS RUSH (charges apply) 24 hr 48 hr 5 day | | | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edna Yes No per work order | | | | INVOICE INFORMATION PO# BILL TO: Sheri O'Connor SUBMISSION #: | | | | | | | | | | | | | | | | | | | |
| Inorganic suite includes: | | | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | | | CUSTODY SEALS: N | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | |
| URS Contact: sheri-o'connor@urscorp.com | | | | See SOW <input checked="" type="checkbox"/> See QAPP <input type="checkbox"/> | | | | SAMPLE RECEIPT: CONDITION/COOLER TEMP: 4.2 | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | |
| LIE Best | | | | VU Pharm | | | | TA Lab | | | | 05/03/10 1500 | | | | 05/03/10 1015 | | | | | | | | | | | | | | | | | | | |

W:\General\Chemistry\COG Format\URS General.doc 11/20/06 11:52 AM

White and Yellow to lab

Pink - sample management

Cooler of



Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-2-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828877

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 73.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 73.0 | |

Printed on: 05/06/10 09:23 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-2-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828878

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 89.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 89.4 | |

Printed on: 05/06/10 09:23 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-2-T03N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828879

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 90.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 90.5 | |

Printed on: 05/06/10 09:23 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-3-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828880

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 91.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 91.9 | |

Printed on: 05/06/10 09:23 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-3-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828881

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 94.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|------------------------|---------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 94.3 | |

Printed on: 05/06/10 09:24 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-3-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828882

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 93.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 93.2 | |

Printed on: 05/06/10 09:24 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-3-T03N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828883

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 94.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 94.8 | |

Printed on: 05/06/10 09:24 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-3-T04N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828884

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 93.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 93.6 | |

Printed on: 05/06/10 09:24 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-1-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828885

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 94.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 94.3 | |

Printed on: 05/06/10 09:24 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-1-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828886

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 91.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 91.3 | |

Printed on: 05/06/10 09:24 AM

WET CHEMISTRY
Duplicate Sample Report Summary

Client Sample No.
CVR3TR3-1-T01N-TLGRE

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828886DP

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 90.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | Sample Result Conc. | Qual. | Duplicate Sample Result Conc. | Qual. | RPD ¹ |
|--------|-----------------|------------------------|---------------------|-------|---------------------------|-------|-------------------------------------|-------|------------------|
| IN623 | Solids, Percent | 05/05/10 | | % | 91.3 | | 90.7 | | 0.7 |

¹ - Control Limit for RPD is +/- 20%, unless otherwise specified.

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-1-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828887

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 93.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 93.6 | |

Printed on: 05/06/10 09:24 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-2-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828889

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 93.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 93.9 | |

Printed on: 05/06/10 09:24 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-2-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828890

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 91.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 91.1 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-2-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828891

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 92.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 92.9 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-2-T04N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828892

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 91.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 91.4 | |

Printed on: 05/06/10 09:24 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-3-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828893

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 87.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 87.9 | |

Printed on: 05/06/10 09:24 AM

WET CHEMISTRY
Sample Report Summary

Client Sample No.

CVR3TR3-3-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828894

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 96.7 | |

Printed on: 05/06/10 09:24 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-3-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137169

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828895

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 88.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 88.1 | |

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Sample Report Summary

CVR3TR3-3-T03N-SOL

% Solids: 92.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 92.0 | |

Page 27 of 158



Supportive Documentation – Wet Chemistry

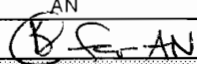



THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

| Analysis Start Date: 5/5/2010 | | Oven ID: 2 | | Analysis End Date: 5/6/2010 | | |
|--|---------|--------------------|--|---------------------------------------|-----------------------|-------------------------|
| Analysis Start Time: 08:20 | | Time In: 9:41 | | Analysis End Time: 8:47 | | |
| Start Analyst: AN | | Time Out: 8:20 | | End Analyst: KEJ | | |
| Start Analyst Signature:  | | | End Analyst Signature:  | | | |
| | | | | | | |
| LAB ID | Dish ID | Dish Weight (g) | Weight of Dish + Wet Sample (g) | Weight of Dish + Dry Sample (g) | Percent Solids (%) | Percent Moisture (%) |
| 828857 | 1 | 1.00 | 9.96 | 8.54 | 84.2 | 16 |
| 828858 | 2 | 0.95 | 10.03 | 9.70 | 96.4 | 4 |
| 828859 | 3 | 0.99 | 10.03 | 8.97 | 88.3 | 12 |
| 828859DP | 4 | 0.99 | 10.03 | 8.94 | 87.9 | 12 |
| 828860 | 5 | 0.97 | 10.02 | 8.99 | 88.6 | 11 |
| 828861 | 6 | 1.01 | 10.01 | 9.04 | 89.2 | 11 |
| 828862 | 7 | 0.99 | 10.00 | 9.33 | 92.6 | 7 |
| 828863 | 8 | 1.00 | 9.95 | 9.59 | 96.0 | 4 |
| 828864 | 9 | 1.00 | 9.94 | 8.95 | 88.9 | 11 |
| 828865 | 10 | 0.98 | 10.04 | 9.18 | 90.5 | 10 |
| 828866 | 11 | 0.97 | 10.05 | 8.81 | 86.3 | 14 |
| 828867 | 12 | 0.99 | 9.98 | 8.47 | 83.2 | 17 |
| 828868 | 13 | 1.00 | 9.99 | 9.53 | 94.9 | 5 |
| 828869 | 14 | 1.00 | 9.95 | 9.33 | 93.1 | 7 |
| 828870 | 15 | 0.98 | 10.03 | 8.84 | 86.9 | 13 |
| 828871 | 16 | 0.98 | 10.02 | 8.99 | 88.6 | 11 |
| 828872 | 17 | 0.98 | 10.06 | 7.49 | 71.7 | 28 |
| 828873 | 18 | 1.01 | 10.01 | 9.60 | 95.4 | 5 |
| 828874 | 19 | 0.99 | 10.03 | 8.57 | 83.8 | 16 |
| 828875 | 20 | 1.00 | 9.95 | 8.56 | 84.5 | 16 |
| 828876 | 21 | 1.00 | 10.00 | 9.40 | 93.3 | 7 |
| 828877 | 22 | 0.95 | 9.96 | 7.53 | 73.0 | 27 |
| 828878 | 23 | 0.97 | 10.01 | 9.05 | 89.4 | 11 |
| 828879 | 24 | 1.00 | 10.02 | 9.16 | 90.5 | 10 |
| 828880 | 25 | 0.99 | 9.99 | 9.26 | 91.9 | 8 |
| 828881 | 26 | 0.98 | 10.00 | 9.49 | 94.3 | 6 |
| 828882 | 27 | 1.00 | 9.99 | 9.38 | 93.2 | 7 |
| 828883 | 28 | 0.99 | 9.95 | 9.48 | 94.8 | 5 |
| 828884 | 29 | 0.98 | 10.02 | 9.44 | 93.6 | 6 |
| 828885 | 30 | 0.98 | 9.99 | 9.48 | 94.3 | 6 |

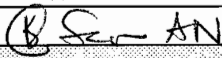

Calculation: Percent Wet Weight =
$$\frac{\text{Weight of Dish + Dry Sample (g)} - \text{Dish Weight (g)}}{\text{Weight of Dish + Wet Sample (g)} - \text{Dish Weight (g)}} \times 100$$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)

Percent Solids Determination

| Analysis Start Date: 5/5/2010 | | Oven ID: 2 | | Analysis End Date: 5/6/2010 | | |
|--|---------|----------------|-----------------------------|--|----------------|------------------|
| Analysis Start Time: 08:20 | | Time In: 9:41 | | Analysis End Time: 8:52 | | |
| Start Analyst: AN | | Time Out: 8:20 | | End Analyst: KEJ | | |
| Start Analyst Signature:  | | | | End Analyst Signature:  | | |
| | | | | | | |
| LAB ID | Dish ID | Dish Weight | Weight of Dish + Wet Sample | Weight of Dish + Dry Sample | Percent Solids | Percent Moisture |
| | | (g) | (g) | (g) | (%) | (%) |
| 828886 | 31 | 1.00 | 9.96 | 9.18 | 91.3 | 9 |
| 828886DP | 32 | 0.97 | 10.00 | 9.16 | 90.7 | 9 |
| 828887 | 33 | 0.99 | 9.95 | 9.38 | 93.6 | 6 |
| 828888 | 34 | 0.99 | 9.98 | 9.47 | 94.3 | 6 |
| 828889 | 35 | 1.00 | 10.01 | 9.46 | 93.9 | 6 |
| 828890 | 36 | 1.00 | 9.98 | 9.18 | 91.1 | 9 |
| 828891 | 37 | 1.00 | 9.97 | 9.33 | 92.9 | 7 |
| 828892 | 38 | 1.00 | 9.94 | 9.17 | 91.4 | 9 |
| 828893 | 39 | 0.98 | 9.93 | 8.85 | 87.9 | 12 |
| 828894 | 40 | 1.00 | 10.00 | 9.70 | 96.7 | 3 |
| 828895 | 41 | 0.98 | 9.96 | 8.89 | 88.1 | 12 |
| 828896 | 42 | 0.95 | 9.96 | 9.24 | 92.0 | 8 |
| 828897 | 43 | 0.98 | 10.00 | 9.43 | 93.7 | 6 |
| 828897DP | 44 | 1.00 | 10.02 | 9.51 | 94.3 | 6 |
| 828898 | 45 | 1.00 | 9.98 | 9.54 | 95.1 | 5 |
| 828899 | 46 | 0.97 | 10.00 | 9.61 | 95.7 | 4 |
| 828900 | 47 | 0.98 | 9.95 | 9.69 | 97.1 | 3 |
| 828901 | 48 | 1.00 | 9.96 | 9.60 | 96.0 | 4 |
| 828902 | 49 | 0.97 | 10.03 | 9.63 | 95.6 | 4 |
| 828903 | 50 | 0.97 | 10.02 | 9.54 | 94.7 | 5 |
| 828904 | 51 | 0.99 | 10.04 | 7.50 | 71.9 | 28 |
| 828905 | 52 | 0.98 | 10.04 | 9.26 | 91.4 | 9 |
| 828906 | 53 | 0.99 | 9.98 | 9.00 | 89.1 | 11 |
| 828907 | 54 | 0.98 | 9.94 | 8.90 | 88.4 | 12 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Calculation: Percent Wet Weight = $\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169

SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|------------------------|----------------|
| CVR3TR2-2-T01N-TLG | 828877 |
| CVR3TR2-2-T02N-SOL | 828878 |
| CVR3TR2-2-T03N-SOL | 828879 |
| CVR3TR2-3-T01N-SOL | 828880 |
| CVR3TR2-3-T01N-SOL0855 | 828881 |
| CVR3TR2-3-T02N-SOL | 828882 |
| CVR3TR2-3-T03N-SOL | 828883 |
| CVR3TR2-3-T04N-SOL | 828884 |
| CVR3TR3-1-T01N-SOL | 828885 |
| CVR3TR3-1-T01N-TLG | 828886 |
| CVR3TR3-1-T01N-TLGD | 828886DP |
| CVR3TR3-1-T01N-TLGS | 828886MS |
| CVR3TR3-1-T02N-SOL | 828887 |
| CVR3TR3-1-T04N-SOL | 828888 |
| CVR3TR3-2-T01N-SOL | 828889 |
| CVR3TR3-2-T01N-TLG | 828890 |
| CVR3TR3-2-T02N-SOL | 828891 |
| CVR3TR3-2-T04N-SOL | 828892 |
| CVR3TR3-3-T01N-SOL | 828893 |
| CVR3TR3-3-T01N-TLG | 828894 |
| CVR3TR3-3-T02N-SOL | 828895 |
| CVR3TR3-3-T03N-SOL | 828896 |

Were ICP interelement corrections applied? Yes/No YESWere ICP background corrections applied? Yes/No YESIf yes-were raw data generated before application of background corrections? Yes/No NOComments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

COVER PAGE - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-2-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828877
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 73.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 44.9 | N | | P |

Color Before: light brown Clarity Before: _____ Texture: mediumColor After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-2-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828878
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 89.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 23.4 | N | | P |

Color Before: light brown Clarity Before: _____ Texture: medium

Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-2-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828879
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 90.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 13.9 | N | P | |

Color Before: light brown Clarity Before: _____ Texture: mediumColor After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-3-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828880
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 91.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 25.0 | N | | P |

Color Before: light brown Clarity Before: _____ Texture: mediumColor After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-3-T01N-SOL0855

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828881
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 93.3 | N | | P |

Color Before: light brown Clarity Before: _____ Texture: medium

Color After: yellow Clarity After: cloudy Artifacts: _____

Comments:

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-3-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828882
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 93.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 17.6 | N | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-3-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828883
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 9.7 | N | P | |

Color Before: light brown Clarity Before: _____ Texture: medium

Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-3-T04N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828884
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 93.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 11.9 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium

Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-1-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828885
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 6.2 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-1-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828886
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 91.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 77.2 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium

Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-1-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828887
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 93.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 24.8 | N | | P |

Color Before: light brown Clarity Before: _____ Texture: medium

Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-1-T04N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828888
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 16.8 | | N | P |

Color Before: light brown Clarity Before: Texture: mediumColor After: yellow Clarity After: cloudy Artifacts:

Comments:

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-2-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828889
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 93.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 3.7 | N | | P |

Color Before: light brown Clarity Before: _____ Texture: mediumColor After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-2-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828890
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 91.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 63.3 | N | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-2-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828891
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 92.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 22.1 | N | | P |

Color Before: light brown Clarity Before: _____ Texture: mediumColor After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-2-T04N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828892
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 34.5 | N | | P |

Color Before: light brown Clarity Before: _____ Texture: medium

Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-3-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828893
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 87.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 26.0 | N | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-3-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828894
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 97.2 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-3-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828895
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 88.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 68.2 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: mediumColor After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-3-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Lab Sample ID: 828896
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 92.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 12.9 | | N | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN



QC Summary – Metals

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137169
Initial Calibration Source: Inorganic Ventures/Fisher
Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 518.20 | 103.6 | 200.0 | 201.90 | 101.0 | 200.50 | 100.2 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137169

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 200.70 | 100.4 | 200.90 | 100.4 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137169
Initial Calibration Source: Inorganic Ventures/Fisher
Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 517.00 | 103.4 | 200.0 | 199.70 | 99.8 | 203.30 | 101.6 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137169

AA CRDL Standard Source:

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | True | Found | %R | CRDL Standard for ICP | | | | |
|------------|------|-------|----|-----------------------|---------------|------------|-------------|----------|
| | | | | Initial True | Initial Found | Initial %R | Final Found | Final %R |
| Molybdenum | | | | 10.0 | 13.03 | 130.3 | | |

Control Limits: no limits have been established by EPA at this time

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | | |
|------------|------|-------|----|-----------------------|-------|-------|-------|----|--|
| | True | Found | %R | Initial | | | Final | | |
| | | | | True | Found | %R | Found | %R | |
| Molybdenum | | | | 10.0 | 12.75 | 127.5 | | | |

Control Limits: no limits have been established by EPA at this time

Form IIB-IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | |
|------------|--------------------------------------|--|-------|-------|--|--|--|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| | C | C | C | C | | | | C | M |
| Molybdenum | 1.9 B | 0.7 B | 0.7 B | 0.7 B | | | | 0.047 U | P |

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137169
 Preparation Blank Matrix (soil/water): WATER
 Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | M |
|------------|--------------------------------------|--|---|---|--|--|--|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| Molybdenum | | 0.9 | B | | | | | | P |

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | |
|------------|--------------------------------------|--|-------|---|---|--|--|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| | C | C | C | C | C | | | C | M |
| Molybdenum | 1.3 B | 0.5 B | 0.9 B | | | | | | P |

Form III - IN

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169ICP ID Number: TJA ICAP 7 ICS Source: Inorganic VenturesConcentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|-------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | -1 | 1001.0 | 101.5 | | | |

Form IV - IN

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures
Concentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|-------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | 0 | 998.4 | 101.3 | | | |

Form IV - IN

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR3TR3-1-T01N-TLGS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 91.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|---------------------|------|---|---|
| Molybdenum | 80 - 120 | 100.9367 | | 77.2453 | | 47.21 | 50.2 | N | P |

Comments:

Form V (PART 1) - IN

USEPA-CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR3TR3-1-T01N-TLGA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added(SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|--------------------|------|---|---|
| Molybdenum | | 1291.00 | 846.30 | 500.0 | 88.9 | | P |

Comments: _____

Form V (PART 2) - IN

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR3TR3-1-T01N-TLGD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 91.3 % Solids for Duplicate: 90.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|------------|------------------|------------|---|---------------|---|------|---|---|
| Molybdenum | | 77.2453 | | 87.8074 | | 12.8 | | P |

Form VI - IN

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137169Solid LCS Source: Inorganic VenturesAqueous LCS Source:

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | |
|------------|----------------|-------|----|---------------|-------|---|-------------|-------|
| | True | Found | %R | True | Found | C | Limits | %R |
| Molybdenum | | | | 50.0 | 51.9 | | 40.0 60.0 | 103.8 |

Form VII - IN

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

CVR3TR3-1-T01N-TLGL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) C | | Serial Dilution Result (S) C | | % Differ- ence | Q | M |
|------------|-----------------------------------|--|------------------------------------|--|-------------------|---|---|
| Molybdenum | 846.30 | | 912.20 | | 7.8 | | P |

Form IX - IN

USEPA-CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|------------|---------------------|-------------|----------------|---------------|---|
| Molybdenum | 202.030 | | 10 | 0.47 | P |

Comments: _____

Form X - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments: _____

Form XII - IN

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169Method: P

| EPA Sample No. | Preparation Date | Initial Weight (g) | Volume (mL) |
|----------------------|---------------------|-----------------------|----------------|
| CVR3TR2-2-T01N-TLG | 5/27/2010 | 1.12 | 100.0 |
| CVR3TR2-2-T02N-SOL | 5/27/2010 | 1.09 | 100.0 |
| CVR3TR2-2-T03N-SOL | 5/27/2010 | 1.14 | 100.0 |
| CVR3TR2-3-T01N-SOL | 5/27/2010 | 1.19 | 100.0 |
| CVR3TR2-3-T01N-SOL08 | 5/27/2010 | 1.14 | 100.0 |
| CVR3TR2-3-T02N-SOL | 5/27/2010 | 1.41 | 100.0 |
| CVR3TR2-3-T03N-SOL | 5/27/2010 | 1.34 | 100.0 |
| CVR3TR2-3-T04N-SOL | 5/27/2010 | 1.10 | 100.0 |
| CVR3TR3-1-T01N-SOL | 5/27/2010 | 1.16 | 100.0 |
| CVR3TR3-1-T01N-TLG | 5/27/2010 | 1.20 | 100.0 |
| CVR3TR3-1-T01N-TLGD | 5/27/2010 | 1.13 | 100.0 |
| CVR3TR3-1-T01N-TLGS | 5/27/2010 | 1.16 | 100.0 |
| CVR3TR3-1-T02N-SOL | 5/27/2010 | 1.18 | 100.0 |
| CVR3TR3-1-T04N-SOL | 5/27/2010 | 1.57 | 100.0 |
| CVR3TR3-2-T01N-SOL | 5/27/2010 | 1.40 | 100.0 |
| CVR3TR3-2-T01N-TLG | 5/27/2010 | 1.24 | 100.0 |
| CVR3TR3-2-T02N-SOL | 5/27/2010 | 1.21 | 100.0 |
| CVR3TR3-2-T04N-SOL | 5/27/2010 | 1.23 | 100.0 |
| CVR3TR3-3-T01N-SOL | 5/27/2010 | 1.15 | 100.0 |
| CVR3TR3-3-T01N-TLG | 5/27/2010 | 1.23 | 100.0 |
| CVR3TR3-3-T02N-SOL | 5/27/2010 | 1.17 | 100.0 |
| CVR3TR3-3-T03N-SOL | 5/27/2010 | 1.30 | 100.0 |
| LCSS052710D | 5/27/2010 | 1.00 | 100.0 |
| PBS052710D | 5/27/2010 | 1.00 | 100.0 |

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: CMIS&V

SAS No.: _____

SDG No.: 137169Instrument ID Number: TJA ICAP 7Method: PStart Date: 5/28/2010End Date: 5/28/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K I | S E | A G | N A | T L | V N | Z N | C N | | | | |
| S0 | 1.00 | 0944 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD7 | 1.00 | 0948 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 0952 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 0956 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICB | 1.00 | 1004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSA | 1.00 | 1008 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSAB | 1.00 | 1011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CRI | 1.00 | 1015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1023 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PBS052710D | 1.00 | 1027 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LCSS052710D | 1.00 | 1031 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-2-T01N-TLG | 1.00 | 1035 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-2-T02N-SOL | 1.00 | 1039 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-2-T03N-SOL | 1.00 | 1043 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T01N-SOL | 1.00 | 1046 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T01N-SOL0 | 1.00 | 1051 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T02N-SOL | 1.00 | 1054 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T03N-SOL | 1.00 | 1058 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T04N-SOL | 1.00 | 1102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1107 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-1-T01N-SOL | 1.00 | 1114 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1118 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 1122 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1126 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1134 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-1-T02N-SOL | 1.00 | 1138 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-1-T04N-SOL | 1.00 | 1142 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-2-T01N-SOL | 1.00 | 1146 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-2-T01N-TLG | 1.00 | 1150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1154 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1158 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-2-T02N-SOL | 1.00 | 1202 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-2-T04N-SOL | 1.00 | 1206 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-3-T01N-SOL | 1.00 | 1210 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Form XIV - IN

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
Instrument ID Number: TJA ICAP 7 Method: P
Start Date: 5/28/2010 End Date: 5/28/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A A | N L | T V | Z N | C N | | | |
| CVR3TR3-3-T01N-TLG | 1.00 | 1214 | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR3-3-T02N-SOL | 1.00 | 1218 | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR3-3-T03N-SOL | 1.00 | 1222 | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CCV | 1.00 | 1226 | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CCB | 1.00 | 1229 | | | | | | | | | | | | | | | | | | | | | | | | | * | | |

Form XIV - IN

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: CMIS&V

SAS No.: _____

SDG No.: 137169Instrument ID Number: TJA ICAP 7Method: PStart Date: 5/28/2010End Date: 5/28/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K I | S E | A G | N A | T L | V L | Z N | C N | | |
| S0 | 1.00 | 1257 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| STD7 | 1.00 | 1301 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 1305 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 1309 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| ICV | 1.00 | 1313 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| ICB | 1.00 | 1317 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| ICSA | 1.00 | 1321 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| ICSAB | 1.00 | 1325 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CRI | 1.00 | 1328 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCV | 1.00 | 1332 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCB | 1.00 | 1336 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR3TR3-1-T01N-TLG | 1.00 | 1340 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR3TR3-1-T01N-TLGL | 5.00 | 1344 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR3TR3-1-T01N-TLGA | 1.00 | 1348 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR3TR3-1-T01N-TLGS | 1.00 | 1352 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR3TR3-1-T01N-TLGD | 1.00 | 1356 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCV | 1.00 | 1400 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCB | 1.00 | 1404 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |

Form XIV - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/28/2010 End Date: 5/28/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| S0 | 1.00 | 09:44 | | | | | X | | | | | | | | | | | | |
| STD7 | 1.00 | 09:48 | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 09:52 | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 09:56 | | | | | X | | | | | | | | | | | | |
| ICV | 1.00 | 10:00 | | | | | X | | | | | | | | | | | | |
| ICB | 1.00 | 10:04 | | | | | X | | | | | | | | | | | | |
| ICSA | 1.00 | 10:08 | | | | | X | | | | | | | | | | | | |
| ICSAB | 1.00 | 10:11 | | | | | X | | | | | | | | | | | | |
| CRI | 1.00 | 10:15 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 10:19 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 10:23 | | | | | X | | | | | | | | | | | | |
| PBS052710D | 1.00 | 10:27 | | | | | X | | | | | | | | | | | | |
| LCSS052710D | 1.00 | 10:31 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-2-T01N-TLG | 1.00 | 10:35 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-2-T02N-SOL | 1.00 | 10:39 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-2-T03N-SOL | 1.00 | 10:43 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-3-T01N-SOL | 1.00 | 10:46 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-3-T01N-SOL | 1.00 | 10:51 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-3-T02N-SOL | 1.00 | 10:54 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-3-T03N-SOL | 1.00 | 10:58 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-3-T04N-SOL | 1.00 | 11:02 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 11:07 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 11:10 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-1-T01N-SOL | 1.00 | 11:14 | | | | | X | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 11:18 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 11:22 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 11:26 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 11:30 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 11:34 | | | | | | | | | | | | | | | | | |
| CVR3TR3-1-T02N-SOL | 1.00 | 11:38 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-1-T04N-SOL | 1.00 | 11:42 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-2-T01N-SOL | 1.00 | 11:46 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-2-T01N-TLG | 1.00 | 11:50 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 11:54 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 11:58 | | | | | X | | | | | | | | | | | | |

Form XIV - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/28/2010 End Date: 5/28/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|--|--|--|--|--|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I | | | | | |
| | | | | U | I | O | S | D | T | I | | | | | | | | | | | | | | |
| CVR3TR3-2-T02N-SOL | 1.00 | 12:02 | | | | X | | | | | | | | | | | | | | | | | | |
| CVR3TR3-2-T04N-SOL | 1.00 | 12:06 | | | | X | | | | | | | | | | | | | | | | | | |
| CVR3TR3-3-T01N-SOL | 1.00 | 12:10 | | | | X | | | | | | | | | | | | | | | | | | |
| CVR3TR3-3-T01N-TLG | 1.00 | 12:14 | | | | X | | | | | | | | | | | | | | | | | | |
| CVR3TR3-3-T02N-SOL | 1.00 | 12:18 | | | | X | | | | | | | | | | | | | | | | | | |
| CVR3TR3-3-T03N-SOL | 1.00 | 12:22 | | | | X | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 12:26 | | | | X | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 12:29 | | | | X | | | | | | | | | | | | | | | | | | |

Form XIV - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137169
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/28/2010 End Date: 5/28/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| S0 | 1.00 | 12:57 | | | | | X | | | | | | | | | | | | |
| STD7 | 1.00 | 13:01 | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 13:05 | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 13:09 | | | | | X | | | | | | | | | | | | |
| ICV | 1.00 | 13:13 | | | | | X | | | | | | | | | | | | |
| ICB | 1.00 | 13:17 | | | | | X | | | | | | | | | | | | |
| ICSA | 1.00 | 13:21 | | | | | X | | | | | | | | | | | | |
| ICSAB | 1.00 | 13:25 | | | | | X | | | | | | | | | | | | |
| CRI | 1.00 | 13:28 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 13:32 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 13:36 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-1-T01N-TLG | 1.00 | 13:40 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-1-T01N-TLG | 5.00 | 13:44 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-1-T01N-TLG | 1.00 | 13:48 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-1-T01N-TLG | 1.00 | 13:52 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-1-T01N-TLG | 1.00 | 13:56 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 14:00 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 14:04 | | | | | X | | | | | | | | | | | | |

Form XIV - IN



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: TFS

Date: 5/28/2010

Reviewed by: TFS

Date: 5/28/10

QC Review by: GSR

Date: 05/28/10

TJA ICAP 7

ICP METALS 6010

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis Date | Time | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----------------|---------------|----------|----|--------|---------------|------------|------------------|
| 1. CalibStd-Blk | 5/28/2010 | 09:44:33 | 1 | WATER | 052810-01.txt | | + Mo |
| 2. STD7 | 5/28/2010 | 09:48:26 | 1 | WATER | 052810-01.txt | | |
| 3. STD8 | 5/28/2010 | 09:52:18 | 1 | WATER | 052810-01.txt | | |
| 4. STD4 | 5/28/2010 | 09:56:15 | 1 | WATER | 052810-01.txt | | |
| 5. ICV1 | 5/28/2010 | 10:00:15 | 1 | WATER | 052810-01.txt | | |
| 6. ICB1 | 5/28/2010 | 10:04:09 | 1 | WATER | 052810-01.txt | | |
| 7. ICSA1 | 5/28/2010 | 10:08:03 | 1 | WATER | 052810-01.txt | | |
| 8. ICSAB1 | 5/28/2010 | 10:11:53 | 1 | WATER | 052810-01.txt | | |
| 9. CRI1 | 5/28/2010 | 10:15:40 | 1 | WATER | 052810-01.txt | | |
| 10. CCV1 | 5/28/2010 | 10:19:31 | 1 | WATER | 052810-01.txt | | |
| 11. CCB1 | 5/28/2010 | 10:23:20 | 1 | WATER | 052810-01.txt | | |
| 12. PBS052710D | 5/28/2010 | 10:27:16 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 13. LCSS052710D | 5/28/2010 | 10:31:11 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 14. 828877 | 5/28/2010 | 10:35:05 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 15. 828878 | 5/28/2010 | 10:39:01 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 16. 828879 | 5/28/2010 | 10:43:02 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 17. 828880 | 5/28/2010 | 10:46:58 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 18. 828881 | 5/28/2010 | 10:51:01 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 19. 828882 | 5/28/2010 | 10:54:58 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 20. 828883 | 5/28/2010 | 10:58:58 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 21. 828884 | 5/28/2010 | 11:02:58 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 22. CCV2 | 5/28/2010 | 11:07:00 | 1 | WATER | 052810-01.txt | | |
| 23. CCB2 | 5/28/2010 | 11:10:48 | 1 | WATER | 052810-01.txt | | |
| 24. 828885 | 5/28/2010 | 11:14:43 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 25. 828886 | 5/28/2010 | 11:18:42 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 26. 828886L | 5/28/2010 | 11:22:37 | 5 | WATER | 052810-01.txt | PBICPS0527 | |
| 27. 828886A | 5/28/2010 | 11:26:32 | 1 | WATER | 052810-01.txt | PBICPS0527 | |
| 28. 828886MS | 5/28/2010 | 11:30:28 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 29. 828886DP | 5/28/2010 | 11:34:28 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 30. 828887 | 5/28/2010 | 11:38:26 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 31. 828888 | 5/28/2010 | 11:42:27 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 32. 828889 | 5/28/2010 | 11:46:27 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 33. 828890 | 5/28/2010 | 11:50:27 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 34. CCV3 | 5/28/2010 | 11:54:24 | 1 | WATER | 052810-01.txt | | |
| 35. CCB3 | 5/28/2010 | 11:58:14 | 1 | WATER | 052810-01.txt | | |
| 36. 828891 | 5/28/2010 | 12:02:07 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 37. 828892 | 5/28/2010 | 12:06:08 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 38. 828893 | 5/28/2010 | 12:10:10 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 39. 828894 | 5/28/2010 | 12:14:06 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 40. 828895 | 5/28/2010 | 12:18:03 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 41. 828896 | 5/28/2010 | 12:22:05 | 1 | SOIL | 052810-01.txt | PBICPS0527 | |
| 42. CCV4 | 5/28/2010 | 12:26:01 | 1 | WATER | 052810-01.txt | | |
| 43. CCB4 | 5/28/2010 | 12:29:51 | 1 | WATER | 052810-01.txt | | |

→ BAA052810

Analytical Review Report

Data File: 052810-01.txt

Date Printed: 5/28/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/28/2010

Analysis End Date: 5/28/2010

Start Time: 09:44:3

End Time: 12:29:5

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|----------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 29.75 | 0.0001 | | | | |
| STD4 | 1 | | 0.810 | 0.000 | 0.000 | 0.44 | 0.81 | | | | |
| ICV1 | 1 | PASS | 518.200 | 516.900 | 519.600 | 0.37 | 518.20 | 103.6 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 1.873 | 2.429 | 1.318 | 41.95 | 1.9 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | -0.541 | -0.534 | -0.549 | 1.96 | -1 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 1001.000 | 998.400 | 1004.000 | 0.36 | 1001.0 | 101.5 | 986 | 80 | 120 |
| CRI1 | 1 | PASS | 13.030 | 13.780 | 12.280 | 8.16 | 13.03 | 130.3 | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 201.900 | 201.600 | 202.100 | 0.19 | 201.90 | 101.0 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.654 | 0.888 | 0.420 | 50.64 | 0.7 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 200.500 | 200.100 | 201.000 | 0.32 | 200.50 | 100.2 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.749 | 0.981 | 0.517 | 43.72 | 0.7 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 200.700 | 200.600 | 200.700 | 0.06 | 200.70 | 100.4 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.703 | 0.941 | 0.466 | 47.72 | 0.7 | | | | +/-10.00 |
| CCV4 | 1 | PASS | 200.900 | 200.600 | 201.200 | 0.21 | 200.90 | 100.4 | 200.0 | 90 | 110 |
| CCB4 | 1 | PASS | 0.854 | 0.974 | 0.734 | 19.87 | 0.9 | | | | +/-10.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052710D | 1 | PASS | 0.180 | 0.275 | 0.085 | 74.42 | 0.018 | | | | +/-10.00 |
| LCSS052710D | 1 | PASS | 519.300 | 518.400 | 520.200 | 0.24 | 519 | 103.8 | 50.0 | 40.0 | 60.0 |
| 828877 | 1 | PASS | 366.800 | 366.400 | 367.200 | 0.14 | 44.9 | | | | |
| 828878 | 1 | PASS | 228.000 | 227.400 | 228.500 | 0.34 | 23.4 | | | | |
| 828879 | 1 | PASS | 143.200 | 143.000 | 143.400 | 0.19 | 13.9 | | | | |
| 828880 | 1 | PASS | 273.100 | 272.700 | 273.400 | 0.19 | 25.0 | | | | |
| 828881 | 1 | PASS | 1003.000 | 1000.000 | 1006.000 | 0.40 | 93.3 | | | | |
| 828882 | 1 | PASS | 231.200 | 231.100 | 231.200 | 0.00 | 17.6 | | | | |
| 828883 | 1 | PASS | 122.700 | 122.700 | 122.700 | 0.01 | 9.7 | | | | |
| 828884 | 1 | PASS | 122.800 | 122.000 | 123.500 | 0.86 | 11.9 | | | | |
| 828885 | 1 | PASS | 67.980 | 68.410 | 67.540 | 0.90 | 6.2 | | | | |
| 828886 | 1 | PASS | 851.500 | 850.500 | 852.500 | 0.17 | 77.7 | | | | |
| 828886L | 5 | FAIL | 2091.000 | 4174.000 | 7.020 | 140.90 | 2091.00 | | | | |
| 828886A | 1 | FAIL | 854.000 | 853.900 | 854.100 | 0.02 | 854.00 | 0.5 | 500.0 | 80 | 120 |
| 828886MS | 1 | FAIL | 1068.000 | 1067.000 | 1070.000 | 0.20 | 100.8422 | 49.0 | 47.21 | 80 | 120 |
| 828886DP | 1 | PASS | 904.400 | 901.600 | 907.300 | 0.44 | 87.6620 | | | | |
| 828887 | 1 | PASS | 274.300 | 273.700 | 274.800 | 0.29 | 24.8 | | | | |
| 828888 | 1 | PASS | 248.700 | 248.600 | 248.700 | 0.04 | 16.8 | | | | |
| 828889 | 1 | PASS | 48.680 | 48.500 | 48.870 | 0.54 | 3.7 | | | | |
| 828890 | 1 | PASS | 714.800 | 714.600 | 715.100 | 0.05 | 63.3 | | | | |
| 828891 | 1 | PASS | 248.800 | 248.500 | 249.200 | 0.21 | 22.1 | | | | |
| 828892 | 1 | PASS | 387.900 | 386.100 | 389.700 | 0.66 | 34.5 | | | | |
| 828893 | 1 | PASS | 262.900 | 264.600 | 261.300 | 0.90 | 26.0 | | | | |
| 828894 | 1 | PASS | 1156.000 | 1154.000 | 1157.000 | 0.15 | 97.2 | | | | |
| 828895 | 1 | PASS | 703.000 | 701.800 | 704.300 | 0.25 | 68.2 | | | | |
| 828896 | 1 | PASS | 154.500 | 154.400 | 154.500 | 0.06 | 12.9 | | | | |

* 0.47
 * 50,000
 * BPA 052810

Sample Name: CalibStd-Blk Acquired: 5/28/2010 9:44:33 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.041 | -0.012 | .0006 | .0006 | -0.002 |
| Stddev | .0007 | .0005 | .0002 | .0001 | .0007 |
| %RSD | 16.11 | 44.13 | 36.30 | 13.02 | 338.6 |
| #1 | -0.036 | -0.008 | .0005 | .0006 | -0.007 |
| #2 | -0.046 | -0.016 | .0008 | .0007 | .0003 |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.016 | -0.017 | -0.038 | -0.042 | -0.005 |
| Stddev | .0003 | .0000 | .0002 | .0001 | .0000 |
| %RSD | 17.91 | 1.960 | 5.401 | 1.920 | 9.736 |
| #1 | -0.014 | -0.017 | -0.036 | -0.043 | -0.005 |
| #2 | -0.018 | -0.017 | -0.039 | -0.042 | -0.005 |
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0752 | -0.103 | -0.283 | .0002 | -0.002 |
| Stddev | .0025 | .0008 | .0009 | .0004 | .0040 |
| %RSD | 3.285 | 8.243 | 3.172 | 202.5 | 1898. |
| #1 | .0770 | -0.109 | -0.277 | -0.001 | -0.031 |
| #2 | .0735 | -0.097 | -0.289 | .0005 | .0026 |

Sample Name: CalibStd-Blk Acquired: 5/28/2010 9:44:33 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|---------------|----------------|----------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0001 | -0.0395 | .0041 | -0.0002 | -0.0090 |
| Stddev | .0000 | .0026 | .0001 | .0001 | .0026 |
| %RSD | 29.75 | 6.698 | 1.227 | 63.00 | 29.27 |
| #1 | .0002 | -0.0414 | .0042 | -0.0001 | -0.0071 |
| #2 | .0001 | -0.0376 | .0041 | -0.0002 | -0.0108 |
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0004 | .0017 | .0959 | .0002 | .0132 |
| Stddev | .0003 | .0003 | .0009 | .0003 | .0002 |
| %RSD | 69.93 | 19.13 | .9861 | 112.2 | 1.235 |
| #1 | .0002 | .0014 | .0966 | .0000 | .0131 |
| #2 | .0007 | .0019 | .0952 | .0004 | .0133 |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | |
| Avg | -0.139 | -0.018 | -0.105 | .0031 | |
| Stddev | .0015 | .0003 | .0001 | .0002 | |
| %RSD | 11.13 | 15.03 | 1.168 | 5.396 | |
| #1 | -0.128 | -0.016 | -0.106 | .0029 | |
| #2 | -0.150 | -0.020 | -0.104 | .0032 | |

Sample Name: CalibStd-Blk Acquired: 5/28/2010 9:44:33 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 403.86 | 3647.0 | 3853.5 | 4557.9 |
| Stddev | 2.77 | 8.1 | 15.5 | 36.3 |
| %RSD | .68552 | .22087 | .40162 | .79540 |
| #1 | 405.82 | 3641.3 | 3864.4 | 4532.3 |
| #2 | 401.91 | 3652.7 | 3842.6 | 4583.5 |

Analyst: JFS

Sample Name: STD7 Acquired: 5/28/2010 9:48:26 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 { 85} | 318.128 {106} | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.803 | .7970 | 9.150 | 1.922 | .9157 |
| Stddev | .002 | .0017 | .010 | .003 | .0053 |
| %RSD | .0731 | .2135 | .1075 | .1654 | .5834 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.805 | .7982 | 9.156 | 1.924 | .9194 |
| #2 | 2.802 | .7957 | 9.143 | 1.919 | .9119 |

| | |
|--------|---------------|
| Elem | Na-LL |
| Line | 589.592 { 57} |
| IS Ref | (Y_HWRD) |
| Units | Cts/S |
| Avg | 6.399 |
| Stddev | .026 |
| %RSD | .4136 |

| | |
|----|-------|
| #1 | 6.417 |
| #2 | 6.380 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_HWRD |
| Line | 224.306 {150} | 371.030 { 91} |
| Units | Cts/S | Cts/S |
| Avg | 3595.0 | 4539.6 |
| Stddev | 15.4 | 20.8 |
| %RSD | .42803 | .45807 |

| | | |
|----|--------|--------|
| #1 | 3584.1 | 4524.9 |
| #2 | 3605.9 | 4554.3 |

Sample Name: STD8 Acquired: 5/28/2010 9:52:18 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|-----------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 {479} | 220.353 {453} | 206.833 {463} | 196.090 {472} | 189.989 {477}2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0619 | 3.155 | .0752 | .0455 | .1858 |
| Stddev | .0006 | .022 | .0005 | .0001 | .0002 |
| %RSD | 1.004 | .7081 | .6448 | .1573 | .1010 |
| | | | | | |
| #1 | .0623 | 3.139 | .0755 | .0456 | .1857 |
| #2 | .0615 | 3.170 | .0748 | .0455 | .1860 |
| | | | | | |
| Elem | Tl-LL | | | | |
| Line | 190.856 {477} | | | | |
| IS Ref | (In2306) | | | | |
| Units | Cts/S | | | | |
| Avg | .9109 | | | | |
| Stddev | .0065 | | | | |
| %RSD | .7104 | | | | |
| | | | | | |
| #1 | .9064 | | | | |
| #2 | .9155 | | | | |
| | | | | | |
| Int. Std. | In2306 | Y_-LWAX | | | |
| Line | 230.606 {446} | 224.306 {450} | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 405.38 | 3900.6 | | | |
| Stddev | .74 | 11.3 | | | |
| %RSD | .18181 | .28905 | | | |
| | | | | | |
| #1 | 405.90 | 3892.6 | | | |
| #2 | 404.86 | 3908.5 | | | |

Sample Name: STD4 Acquired: 5/28/2010 9:56:15 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | B-LL | Ba-LL | Be-LL | Cd-HL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 208.959 (461) | 233.527 (144) | 313.042 (108) | 228.802 (447) |
| IS Ref | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.204 | .3462 | .0889 | 2.489 | .9172 |
| Stddev | .002 | .0024 | .0007 | .001 | .0015 |
| %RSD | .0876 | .7039 | .7865 | .0499 | .1603 |
| #1 | 2.202 | .3445 | .0884 | 2.490 | .9162 |
| #2 | 2.205 | .3479 | .0894 | 2.488 | .9183 |

| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
|--------|---------------|---------------|----------------|----------------|---------------|
| Line | 228.616 (447) | 205.552 (464) | 324.754 (104)2 | 257.610 (131)2 | 202.030 (467) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .9920 | 1.521 | 6.695 | 24.19 | .8096 |
| Stddev | .0005 | .001 | .018 | .06 | .0036 |
| %RSD | .0496 | .0343 | .2733 | .2318 | .4390 |
| #1 | .9917 | 1.521 | 6.708 | 24.23 | .8071 |
| #2 | .9924 | 1.521 | 6.682 | 24.15 | .8122 |

| Elem | Ni-LL | P-HL | Si-LL | Sr-LL | Ti-LL |
|--------|---------------|---------------|---------------|--------------|----------------|
| Line | 231.604 (445) | 178.284 (489) | 288.158 (117) | 407.771 (83) | 334.904 (101)2 |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .5945 | .0628 | 4.490 | 69.40 | 5.121 |
| Stddev | .0007 | .0004 | .013 | .67 | .011 |
| %RSD | .1247 | .6521 | .2989 | .9714 | .2087 |
| #1 | .5940 | .0625 | 4.500 | 68.92 | 5.129 |
| #2 | .5950 | .0631 | 4.481 | 69.88 | 5.114 |

Sample Name: STD4 Acquired: 5/28/2010 9:56:15 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | V-LL | Zn-LL2 |
|--------|----------------|---------------|
| Line | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S |
| Avg | 3.323 | 3.473 |
| Stddev | .010 | .011 |
| %RSD | .3083 | .3050 |
| #1 | 3.330 | 3.466 |
| #2 | 3.316 | 3.481 |

| Int. Std. | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|--------------|
| Line | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 3677.6 | 3884.6 | 4535.3 |
| Stddev | 4.8 | 13.9 | 10.2 |
| %RSD | .13163 | .35899 | .22514 |
| #1 | 3681.1 | 3894.5 | 4542.5 |
| #2 | 3674.2 | 3874.8 | 4528.1 |

Sample Name: ICV Acquired: 5/28/2010 10:00:15 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 499.2 | 26410. | 263.5 | 505.4 | 485.8 |
| Stddev | .4 | 39. | 1.4 | .8 | 5.5 |
| %RSD | .0886 | .1479 | .5361 | .1652 | 1.138 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 499.5 | 26380. | 262.5 | 504.8 | 481.9 |
| #2 | 498.9 | 26430. | 264.5 | 506.0 | 489.7 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 510.0 | 25650. | 490.8 | 487.7 | 491.8 |
| Stddev | .9 | 74. | 1.6 | .3 | 1.5 |
| %RSD | .1736 | .2888 | .3213 | .0560 | .3129 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 509.4 | 25710. | 489.7 | 487.5 | 490.7 |
| #2 | 510.6 | 25600. | 491.9 | 487.9 | 492.9 |

Check ?
 High Limit
 Low Limit

Sample Name: ICV Acquired: 5/28/2010 10:00:15 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 484.1 | 26130. | 26090. | 25180. | 483.0 |
| Stddev | 1.4 | 11. | 181. | .0 | .0 |
| %RSD | .2789 | .0428 | .6935 | .0018 | .0089 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 485.1 | 26120. | 25960. | 25180. | 483.0 |
| #2 | 483.2 | 26130. | 26210. | 25180. | 483.0 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 518.2 | 25470. | 475.3 | 518.2 | 1006. |
| Stddev | 1.9 | 36. | 1.0 | 3.8 | 8. |
| %RSD | .3659 | .1426 | .2176 | .7336 | .8376 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 516.9 | 25490. | 474.6 | 520.9 | 1000. |
| #2 | 519.6 | 25440. | 476.1 | 515.5 | 1012. |

Check ?
 High Limit
 Low Limit

Sample Name: ICV Acquired: 5/28/2010 10:00:15 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 253.5 | 258.9 | 270.2 | 245.3 | 496.1 |
| Stddev | 2.3 | 1.9 | 3.7 | 1.1 | 3.2 |
| %RSD | .9162 | .7148 | 1.361 | .4499 | .6487 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 251.9 | 257.6 | 267.6 | 244.5 | 498.4 |
| #2 | 255.2 | 260.2 | 272.8 | 246.0 | 493.9 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 510.6 | 250.7 | 508.6 | 507.1 |
| Stddev | .9 | 1.9 | .7 | 1.5 |
| %RSD | .1700 | .7712 | .1358 | .2934 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 511.2 | 249.3 | 509.1 | 506.0 |
| #2 | 510.0 | 252.0 | 508.1 | 508.1 |

Check ?
 High Limit
 Low Limit

Sample Name: ICV Acquired: 5/28/2010 10:00:15 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 381.94 | 3582.8 | 3805.9 | 4451.5 |
| Stddev | 2.28 | 30.9 | 5.2 | 59.5 |
| %RSD | .59623 | .86294 | .13642 | 1.3367 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 383.55 | 3604.7 | 3809.5 | 4409.4 |
| #2 | 380.33 | 3560.9 | 3802.2 | 4493.6 |

Sample Name: ICB Acquired: 5/28/2010 10:04:09 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.875 | -5.757 | -1.469 | 1.558 | -8.583 |
| Stddev | .0450 | 8.068 | 2.501 | .253 | 8.371 |
| %RSD | 23.99 | 140.1 | 170.3 | 16.25 | 97.53 |

#1 -1.557 -0.0521 -3.237 1.379 -14.50
 #2 -2.193 -11.46 .2998 1.737 -2.663

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0822 | 50.88 | .1181 | .3384 | .2362 |
| Stddev | .1000 | 68.86 | .5035 | .1806 | .0720 |
| %RSD | 121.7 | 135.3 | 426.3 | 53.36 | 30.49 |

#1 .0115 2.190 .4741 .2107 .1853
 #2 .1529 99.57 -.2379 .4661 .2872

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 5/28/2010 10:04:09 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.314 | 5.927 | -45.11 | -18.66 | .1890 |
| Stddev | 1.138 | 9.395 | 65.09 | 19.68 | .1213 |
| %RSD | 180.2 | 158.5 | 144.3 | 105.5 | 64.19 |

#1 .1733 -.7166 -91.14 -4.744 .2748
 #2 -1.436 12.57 .9175 -32.58 .1032

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.873 | -23.93 | .4666 | 1.848 | 1.220 |
| Stddev | .786 | 18.02 | .5888 | 3.137 | 1.180 |
| %RSD | 41.95 | 75.31 | 126.2 | 169.8 | 96.68 |

#1 2.429 -11.19 .0502 4.066 .3861
 #2 1.318 -36.67 .8829 -.3708 2.055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 5/28/2010 10:04:09 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.977 | .5371 | -3.138 | .0860 | .1016 |
| Stddev | .043 | 3.394 | 5.995 | 1.431 | .0048 |
| %RSD | 2.175 | 631.9 | 191.0 | 1663. | 4.740 |

#1 -2.007 2.937 1.101 1.098 .1050
 #2 -1.946 -1.863 -7.377 -9.258 .0982

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0705 | 3.568 | -.1080 | .0533 |
| Stddev | .4878 | 2.110 | .9557 | .0990 |
| %RSD | 691.7 | 59.15 | 885.3 | 185.6 |

#1 .4154 5.060 .5678 -.0167
 #2 -.2744 2.076 -.7837 .1233

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 5/28/2010 10:04:09 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 401.60 | 3627.5 | 3837.9 | 4452.3 |
| Stddev | .70 | 21.6 | .6 | 4.5 |
| %RSD | .17410 | .59482 | .01656 | .10022 |

#1 401.11 3612.2 3838.3 4449.1
 #2 402.10 3642.8 3837.4 4455.4

UCL
 LCL
 4989.27
 2686.53

Sample Name: ICSA Acquired: 5/28/2010 10:08:03 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.242 | 519100. | 4.784 | 1.391 | 9.928 |
| Stddev | .212 | .339 | .352 | .174 | .126 |
| %RSD | 9.438 | .0653 | 7.361 | 12.49 | 1.271 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -2.093 | 518800. | 5.033 | 1.268 | 9.839 |
| #2 | -2.392 | 519300. | 4.535 | 1.514 | 10.02 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1181 | 502300. | 1.235 | 3.354 | 8.636 |
| Stddev | .0825 | .787 | .477 | .353 | .213 |
| %RSD | 69.85 | .1567 | 38.60 | 10.52 | 2.468 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | .1764 | 502900. | .8977 | 3.105 | 8.787 |
| #2 | .0598 | 501800. | 1.572 | 3.604 | 8.485 |

Check ? High Limit Low Limit

Sample Name: ICSA Acquired: 5/28/2010 10:08:03 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6942 | 198900. | -182.4 | 501500. | 1.045 |
| Stddev | 1.166 | .289 | 35.3 | 190. | .004 |
| %RSD | 168.0 | .1452 | 19.35 | .0379 | .3446 |

| | | | | | |
|----|--------|---------|--------|---------|-------|
| #1 | .1304 | 199100. | -157.5 | 501600. | 1.043 |
| #2 | -1.519 | 198700. | -207.4 | 501400. | 1.048 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5413 | 39.92 | -8.599 | .0175 | 5.051 |
| Stddev | .0106 | 27.98 | .063 | 3.192 | 1.362 |
| %RSD | 1.964 | 70.10 | .7360 | 18240. | 26.96 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -.5338 | 59.71 | -8.554 | -2.239 | 6.014 |
| #2 | -.5489 | 20.13 | -8.644 | 2.274 | 4.088 |

Check ? High Limit Low Limit

Sample Name: ICSA Acquired: 5/28/2010 10:08:03 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.139 | -5.412 | 8.997 | -1.481 | 16.72 |
| Stddev | .563 | 1.485 | 3.113 | .222 | .05 |
| %RSD | 6.161 | 27.43 | 34.60 | 15.00 | .3176 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -8.741 | -6.461 | 6.796 | -1.324 | 16.68 |
| #2 | -9.537 | -4.362 | 11.20 | -1.638 | 16.75 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.724 | 5.753 | -3.706 | -6.264 |
| Stddev | .203 | .781 | .546 | .131 |
| %RSD | 3.025 | 13.57 | 14.75 | 2.098 |

| | | | | |
|----|-------|-------|--------|--------|
| #1 | 6.868 | 5.201 | -4.092 | -6.357 |
| #2 | 6.580 | 6.305 | -3.319 | -6.171 |

Check ? High Limit Low Limit

Sample Name: ICSA Acquired: 5/28/2010 10:08:03 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 334.85 | 3340.2 | 3532.4 | 4324.3 |
| Stddev | 2.08 | 8.3 | .4 | 19.8 |
| %RSD | .62160 | .24850 | .01124 | .45694 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 336.32 | 3334.3 | 3532.6 | 4338.3 |
| #2 | 333.38 | 3346.1 | 3532.1 | 4310.3 |

Sample Name: ICSAB Acquired: 5/28/2010 10:11:53 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 197.7 | 509200. | 91.02 | 1454. | 461.4 |
| Stddev | .1 | 639. | .53 | 4. | 2.0 |
| %RSD | .0706 | .1254 | .5796 | .2940 | .4327 |
| #1 | 197.8 | 508800. | 90.65 | 1451. | 462.8 |
| #2 | 197.6 | 509700. | 91.40 | 1457. | 460.0 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 497.5 | 491900. | 972.6 | 459.0 | 483.7 |
| Stddev | .1 | 49. | .4 | .1 | .5 |
| %RSD | .0225 | .0099 | .0366 | .0207 | .0975 |
| #1 | 497.4 | 491900. | 972.3 | 459.0 | 484.0 |
| #2 | 497.6 | 491900. | 972.8 | 459.1 | 483.4 |

Check ?
 Value
 Range

Sample Name: ICSAB Acquired: 5/28/2010 10:11:53 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 503.2 | 197600. | -244.5 | 488900. | 477.0 |
| Stddev | 2.9 | 1039. | 48.7 | 353. | 2.1 |
| %RSD | .5682 | .5258 | 19.93 | .0722 | .4393 |
| #1 | 505.2 | 198300. | -278.9 | 488700. | 478.5 |
| #2 | 501.2 | 196800. | -210.0 | 489200. | 475.5 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1001. | 11.09 | 892.8 | 505.7 | 45.94 |
| Stddev | 4. | 21.08 | 1.2 | .2 | 2.03 |
| %RSD | .3611 | 190.0 | .1293 | .0448 | 4.417 |
| #1 | 998.4 | 25.99 | 893.6 | 505.8 | 44.50 |
| #2 | 1004. | -3.813 | 891.9 | 505.5 | 47.37 |

Check ?
 Value
 Range

Sample Name: ICSAB Acquired: 5/28/2010 10:11:53 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 580.2 | 43.86 | 1043. | 1405. | 255.4 |
| Stddev | 4.7 | .63 | 10. | 1. | .7 |
| %RSD | .8155 | 1.438 | .9193 | .0670 | .2644 |
| #1 | 576.8 | 44.30 | 1050. | 1405. | 255.0 |
| #2 | 583.5 | 43.41 | 1036. | 1406. | 255.9 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 506.3 | 96.27 | 507.5 | 978.2 |
| Stddev | 2.4 | 2.63 | 4.0 | .2 |
| %RSD | .4777 | 2.732 | .7892 | .0193 |
| #1 | 508.0 | 98.13 | 510.4 | 978.1 |
| #2 | 504.5 | 94.41 | 504.7 | 978.4 |

Check ?
 Value
 Range

Sample Name: ICSAB Acquired: 5/28/2010 10:11:53 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 335.19 | 3336.2 | 3553.1 | 4347.1 |
| Stddev | 1.13 | 18.0 | 10.9 | 4.4 |
| %RSD | .33671 | .54078 | .30815 | .10134 |
| #1 | 334.39 | 3323.5 | 3545.4 | 4350.2 |
| #2 | 335.99 | 3349.0 | 3560.9 | 4343.9 |

Check ?
 Value
 Range

Sample Name: CRI Acquired: 5/28/2010 10:15:40 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.277 | 274.5 | 10.88 | 103.5 | 198.6 |
| Stddev | .592 | 13.3 | 1.58 | 1.0 | 5.5 |
| %RSD | 6.384 | 4.830 | 14.48 | .9202 | 2.775 |
| #1 | 9.695 | 265.1 | 9.767 | 104.2 | 202.5 |
| #2 | 8.858 | 283.9 | 12.00 | 102.9 | 194.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.333 | 5325. | 5.140 | 49.69 | 10.17 |
| Stddev | .174 | 25. | .004 | .52 | .02 |
| %RSD | 3.269 | .4607 | .0687 | 1.050 | .2207 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 5.210 | 5308. | 5.137 | 50.06 | 10.15 |
| #2 | 5.457 | 5342. | 5.142 | 49.32 | 10.18 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/28/2010 10:15:40 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.57 | 254.1 | 5264. | 5235. | 15.37 |
| Stddev | .80 | 10.2 | 51. | 16. | .05 |
| %RSD | 3.398 | 4.009 | .9762 | .2974 | .3339 |
| #1 | 23.00 | 246.9 | 5227. | 5224. | 15.41 |
| #2 | 24.14 | 261.3 | 5300. | 5246. | 15.34 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.03 | 5165. | 39.98 | 258.3 | 10.38 |
| Stddev | 1.06 | 11. | 1.31 | 3.0 | .42 |
| %RSD | 8.157 | .2099 | 3.285 | 1.146 | 4.082 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 13.78 | 5158. | 39.05 | 260.4 | 10.68 |
| #2 | 12.28 | 5173. | 40.91 | 256.2 | 10.08 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/28/2010 10:15:40 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 60.22 | 36.56 | 106.0 | 17.86 | 20.85 |
| Stddev | 4.73 | 1.50 | 3.9 | .16 | .06 |
| %RSD | 7.847 | 4.097 | 3.700 | .8887 | .3061 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 63.56 | 37.62 | 108.7 | 17.75 | 20.80 |
| #2 | 56.88 | 35.51 | 103.2 | 17.97 | 20.89 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.71 | 24.14 | 50.89 | 21.16 |
| Stddev | .48 | 1.16 | .27 | .08 |
| %RSD | 2.308 | 4.784 | .5293 | .3935 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 21.05 | 24.96 | 51.08 | 21.22 |
| #2 | 20.37 | 23.33 | 50.70 | 21.10 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/28/2010 10:15:40 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 401.03 | 3654.9 | 3880.0 | 4503.1 |
| Stddev | 3.35 | 2.9 | .8 | 6.7 |
| %RSD | .83561 | .07935 | .02130 | .14980 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 398.66 | 3652.8 | 3879.4 | 4507.9 |
| #2 | 403.40 | 3656.9 | 3880.6 | 4498.4 |

Sample Name: CCV Acquired: 5/28/2010 10:19:31 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.06 | 30390. | 103.9 | 723.7 | 195.2 |
| Stddev | .91 | 12. | 1.7 | .1 | 2.4 |
| %RSD | .9215 | .0383 | 1.681 | .0119 | 1.211 |
| #1 | 99.70 | 30380. | 102.6 | 723.7 | 193.5 |
| #2 | 98.41 | 30390. | 105.1 | 723.8 | 196.9 |

Check ? High Limit Low Limit
Check Pass Check Pass Check Pass Check Pass Check Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.1 | 30170. | 99.69 | 193.2 | 196.0 |
| Stddev | .5 | 81. | .16 | .4 | .4 |
| %RSD | .5135 | .2670 | .1593 | .2048 | .2099 |
| #1 | 99.77 | 30230. | 99.57 | 193.5 | 196.3 |
| #2 | 100.5 | 30120. | 99.80 | 192.9 | 195.7 |

Check ? High Limit Low Limit
Check Pass Check Pass Check Pass Check Pass Check Pass

Sample Name: CCV Acquired: 5/28/2010 10:19:31 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 193.2 | 30360. | 30090. | 30460. | 192.6 |
| Stddev | .5 | 65. | 137. | 58. | .4 |
| %RSD | .2512 | .2139 | .4563 | .1909 | .2234 |
| #1 | 193.5 | 30410. | 29990. | 30500. | 192.9 |
| #2 | 192.9 | 30320. | 30190. | 30420. | 192.3 |

Check ? High Limit Low Limit
Check Pass Check Pass Check Pass Check Pass Check Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 201.9 | 30470. | 189.1 | 203.0 | 398.9 |
| Stddev | .4 | 56. | .8 | 4.2 | .1 |
| %RSD | .1917 | .1848 | .4414 | 2.090 | .0276 |
| #1 | 201.6 | 30510. | 189.7 | 206.0 | 398.8 |
| #2 | 202.1 | 30430. | 188.5 | 200.0 | 399.0 |

Check ? High Limit Low Limit
Check Pass Check Pass Check Pass Check Pass Check Pass

Sample Name: CCV Acquired: 5/28/2010 10:19:31 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 297.3 | 99.32 | 1012. | 195.7 | 303.2 |
| Stddev | 2.0 | .19 | 12. | .5 | 3.0 |
| %RSD | .6701 | .1865 | 1.206 | .2389 | .9942 |
| #1 | 298.7 | 99.19 | 1021. | 196.0 | 301.0 |
| #2 | 295.9 | 99.45 | 1003. | 195.3 | 305.3 |

Check ? High Limit Low Limit
Check Pass Check Pass Check Pass Check Pass Check Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 401.6 | 101.1 | 200.7 | 199.5 |
| Stddev | 1.4 | 1.0 | .3 | .0 |
| %RSD | .3382 | 1.032 | .1542 | .0106 |
| #1 | 402.6 | 101.8 | 200.5 | 199.6 |
| #2 | 400.7 | 100.4 | 201.0 | 199.5 |

Check ? High Limit Low Limit
Check Pass Check Pass Check Pass Check Pass

Sample Name: CCV Acquired: 5/28/2010 10:19:31 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 386.20 | 3610.6 | 3840.1 | 4484.5 |
| Stddev | .53 | 20.6 | 1.4 | 19.9 |
| %RSD | .13611 | .57012 | .03659 | .44454 |
| #1 | 386.57 | 3596.1 | 3839.1 | 4498.6 |
| #2 | 385.83 | 3625.2 | 3841.1 | 4470.4 |

Sample Name: CCB Acquired: 5/28/2010 10:23:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL 328.068 (103)2 (Y_HWAX) | Al-HL 396.152 (85) (Y_HWRD) | As-LL 189.042 (479) (Y_LWAX) | B-LL 208.959 (461) (Y_LWAX) | Ba-LL 233.527 (144) (Y_HWRD) |
|--------|-------------------------------------|-----------------------------------|------------------------------------|-----------------------------------|------------------------------------|
| Line | | | | | |
| IS Ref | | | | | |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0376 | 39.50 | .1866 | 2.700 | 2.743 |
| Stddev | .0316 | 19.45 | 1.018 | 1.365 | .528 |
| %RSD | 84.21 | 49.24 | 545.6 | 50.58 | 19.25 |
| #1 | -.0600 | 25.75 | -.5332 | 3.665 | 2.369 |
| #2 | -.0152 | 53.25 | .9064 | 1.734 | 3.116 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL 313.042 (108) (Y_HWRD) | Ca-HL 318.128 (106) (Y_HWRD) | Cd-HL 228.802 (447) (Y_LWAX) | Co-LL 228.616 (447) (Y_LWAX) | Cr-LL 205.552 (464) (Y_LWAX) |
|--------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Line | | | | | |
| IS Ref | | | | | |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1189 | 72.92 | .1145 | .3606 | .1834 |
| Stddev | .0142 | 49.01 | .1921 | .1110 | .2180 |
| %RSD | 11.94 | 67.21 | 167.8 | 30.78 | 118.9 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -.1290 | 38.27 | .2503 | .4390 | .3376 |
| #2 | -.1089 | 107.6 | -.0214 | .2821 | .0292 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 10:23:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL 324.754 (104)2 (Y_HWAX) | Fe-LL2 271.441 (124)2 (Y_HWAX) | K-LL 766.490 (44) (Y_HWRD) | Mg-LL 279.079 (121) (Y_HWRD) | Mn-LL 257.610 (131)2 (Y_HWAX) |
|--------|-------------------------------------|--------------------------------------|----------------------------------|------------------------------------|-------------------------------------|
| Line | | | | | |
| IS Ref | | | | | |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2182 | 8.320 | -131.4 | 11.27 | .1582 |
| Stddev | .8120 | 4.098 | 87.8 | 66.45 | .0197 |
| %RSD | 372.1 | 49.26 | 66.82 | 589.4 | 12.44 |
| #1 | -.3560 | 11.22 | -69.31 | -35.71 | .1442 |
| #2 | .7924 | 5.422 | -193.5 | 58.26 | .1721 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL 202.030 (467) (Y_LWAX) | Na-LL 589.592 (57) (Y_HWRD) | Ni-LL 231.604 (445) (Y_LWAX) | P-HL 178.284 (489) (Y_LWAX) | Pb-LL 220.353 (453) (In2306) |
|--------|------------------------------------|-----------------------------------|------------------------------------|-----------------------------------|------------------------------------|
| Line | | | | | |
| IS Ref | | | | | |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6541 | 15.33 | -.8044 | -.8387 | -1.004 |
| Stddev | .3313 | 25.72 | .3979 | 1.441 | .486 |
| %RSD | 50.64 | 167.8 | 49.46 | 171.8 | 48.42 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | .8884 | 33.52 | -1.086 | .1803 | -1.348 |
| #2 | .4199 | -2.863 | -5.230 | -1.858 | -.6603 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 10:23:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL 206.833 (463) (Y_LWAX) | Se-LL 196.090 (472) (Y_LWAX) | Si-LL 288.158 (117) (Y_HWAX) | Sn1899-2 189.989 (477)2 (Y_LWAX) | Sr-LL 407.771 (83) (Y_HWRD) |
|--------|------------------------------------|------------------------------------|------------------------------------|--|-----------------------------------|
| Line | | | | | |
| IS Ref | | | | | |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.726 | 4.375 | -3.086 | -.6543 | .0482 |
| Stddev | .203 | 2.404 | .986 | .6788 | .0154 |
| %RSD | 7.461 | 54.95 | 31.93 | 103.7 | 32.03 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -2.869 | 2.675 | -3.783 | -1.134 | .0373 |
| #2 | -2.582 | 6.075 | -2.389 | -.1743 | .0591 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL 334.904 (101)2 (Y_HWAX) | Ti-LL 190.856 (477) (In2306) | V-LL 292.402 (115)2 (Y_HWAX) | Zn-LL2 213.856 (458) (Y_LWAX) |
|--------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|
| Line | | | | |
| IS Ref | | | | |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0020 | 2.065 | .6418 | -.0155 |
| Stddev | .0129 | 1.397 | .8676 | .0977 |
| %RSD | 648.6 | 67.65 | 135.2 | 630.7 |

| | | | | |
|----|--------|-------|-------|--------|
| #1 | -.0071 | 1.077 | 1.255 | .0536 |
| #2 | .0111 | 3.053 | .0283 | -.0845 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 10:23:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 230.606 (446) Cts/S | Y_HWAX 224.306 (150) Cts/S | Y_LWAX 224.306 (450) Cts/S | Y_HWRD 371.030 (91) Cts/S |
|-----------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|
| Line | | | | |
| Units | | | | |
| Avg | 405.62 | 3643.1 | 3879.4 | 4487.1 |
| Stddev | 3.26 | 1.9 | 2.4 | 3.7 |
| %RSD | .80448 | .05220 | .06186 | .08320 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 403.31 | 3641.7 | 3877.7 | 4489.8 |
| #2 | 407.93 | 3644.4 | 3881.1 | 4484.5 |

Sample Name: PBS052710D Acquired: 5/28/2010 10:27:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2926 | 46.65 | -1.284 | .7241 | 2.843 |
| Stddev | .4790 | 23.99 | 2.274 | .0493 | 5.460 |
| %RSD | 163.7 | 51.43 | 177.1 | 6.805 | 192.0 |

| | | | | | |
|---------|--------|-------|--------|-------|--------|
| #1 | .0461 | 29.68 | -2.892 | .6893 | 6.704 |
| #2 | -.6313 | 63.61 | .3243 | .7590 | -1.018 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1690 | 152.7 | .5414 | .7433 | .2866 |
| Stddev | .1311 | 17.8 | .1557 | .1243 | .2208 |
| %RSD | 77.61 | 11.67 | 28.77 | 16.72 | 77.05 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | .2617 | 140.1 | .4313 | .8312 | .1304 |
| #2 | .0762 | 165.3 | .6516 | .6554 | .4427 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: PBS052710D Acquired: 5/28/2010 10:27:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4423 | 58.26 | -95.83 | 6.373 | .5981 |
| Stddev | .1671 | 8.98 | 16.81 | 42.04 | .0042 |
| %RSD | 37.78 | 15.42 | 17.54 | 659.7 | .6969 |

| | | | | | |
|---------|-------|-------|--------|--------|-------|
| #1 | .3241 | 51.91 | -107.7 | 36.10 | .5951 |
| #2 | .5604 | 64.61 | -83.94 | -23.35 | .6010 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1799 | 9.309 | -.3849 | 7.842 | .4824 |
| Stddev | .1338 | 30.05 | .0187 | 5.256 | 2.363 |
| %RSD | 74.42 | 322.9 | 4.862 | 67.03 | 489.9 |

| | | | | | |
|---------|-------|--------|--------|-------|--------|
| #1 | .2745 | -11.94 | -.3981 | 4.125 | 2.153 |
| #2 | .0852 | 30.56 | -.3717 | 11.56 | -1.189 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: PBS052710D Acquired: 5/28/2010 10:27:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.027 | 4.019 | 5.372 | 13.26 | .0348 |
| Stddev | 2.222 | 1.904 | .515 | .12 | .0169 |
| %RSD | 216.3 | 47.38 | 9.596 | .9149 | 48.62 |

| | | | | | |
|---------|--------|-------|-------|-------|-------|
| #1 | .5439 | 5.365 | 5.737 | 13.17 | .0467 |
| #2 | -2.599 | 2.672 | 5.008 | 13.34 | .0228 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .4120 | .0166 | .1398 | 2.184 |
| Stddev | .3320 | 1.495 | .0786 | .083 |
| %RSD | 80.58 | 8990. | 56.26 | 3.789 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | .6468 | 1.074 | .0842 | 2.243 |
| #2 | .1773 | -1.041 | .1954 | 2.126 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: PBS052710D Acquired: 5/28/2010 10:27:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 402.92 | 3674.7 | 3910.1 | 4493.8 |
| Stddev | .39 | 29.6 | 6.1 | 36.7 |
| %RSD | .09623 | .80624 | .15674 | .81588 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 403.20 | 3653.8 | 3914.4 | 4519.7 |
| #2 | 402.65 | 3695.7 | 3905.8 | 4467.8 |

Sample Name: LCSS052710D Acquired: 5/28/2010 10:31:11 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 255.0 | 228.0 | 254.0 | 488.8 | 2095. |
| Stddev | .5 | 20. | .6 | 1.1 | 11. |
| %RSD | 2007 | .8950 | .2187 | .2170 | .5160 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 255.4 | 2295. | 253.6 | 488.1 | 2088. |
| #2 | 254.7 | 2266. | 254.4 | 489.6 | 2103. |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 56.13 | 21010. | 250.4 | 464.8 | 218.0 |
| Stddev | .18 | 158. | .2 | .3 | .0 |
| %RSD | .3264 | .7502 | .0848 | .0652 | .0057 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 56.00 | 20900. | 250.5 | 464.6 | 218.0 |
| #2 | 56.26 | 21120. | 250.2 | 465.1 | 218.0 |

Check ? Value Range
 None None None None None

Sample Name: LCSS052710D Acquired: 5/28/2010 10:31:11 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 267.9 | 1205. | 21160. | 20390. | 500.0 |
| Stddev | 2.0 | 15. | 99. | 71. | 2.0 |
| %RSD | .7417 | 1.206 | .4655 | .3466 | .4021 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 269.3 | 1216. | 21230. | 20340. | 501.4 |
| #2 | 266.5 | 1195. | 21090. | 20440. | 498.5 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 519.3 | 20640. | 495.5 | 521.9 | 227.1 |
| Stddev | 1.3 | 8. | .4 | 4.8 | 2.3 |
| %RSD | .2434 | .0390 | .0835 | .9193 | 1.021 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 518.4 | 20640. | 495.2 | 525.2 | 228.7 |
| #2 | 520.2 | 20630. | 495.8 | 518.5 | 225.5 |

Check ? Value Range
 None None None None None

Sample Name: LCSS052710D Acquired: 5/28/2010 10:31:11 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 485.4 | 254.5 | 502.5 | 535.4 | 508.9 |
| Stddev | 1.7 | 1.7 | 5.7 | 1.6 | 7.8 |
| %RSD | .3401 | .6766 | 1.143 | .3046 | 1.526 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 484.2 | 255.7 | 506.5 | 536.6 | 503.4 |
| #2 | 486.6 | 253.2 | 498.4 | 534.3 | 514.4 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 515.8 | 257.5 | 514.9 | 500.9 |
| Stddev | .4 | .5 | 1.9 | .4 |
| %RSD | .0723 | .2023 | .3658 | .0849 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 516.1 | 257.1 | 516.3 | 500.6 |
| #2 | 515.5 | 257.9 | 513.6 | 501.2 |

Check ? Value Range
 None None None None

Sample Name: LCSS052710D Acquired: 5/28/2010 10:31:11 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 385.43 | 3600.6 | 3818.3 | 4440.3 |
| Stddev | .47 | 35.6 | 9.9 | 6.3 |
| %RSD | .12134 | .98881 | .25902 | .14212 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 385.10 | 3575.4 | 3825.3 | 4444.7 |
| #2 | 385.76 | 3625.7 | 3811.3 | 4435.8 |

Sample Name: 828877 Acquired: 5/28/2010 10:35:05 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.172 | 16040. | 12.09 | .5472 | 63.89 |
| Stddev | .161 | 93. | .05 | .7533 | 4.06 |
| %RSD | 7.423 | .5811 | .3793 | 137.7 | 6.361 |
| #1 | -2.286 | 16110. | 12.13 | 1.080 | 61.02 |
| #2 | -2.058 | 15980. | 12.06 | .0145 | 66.77 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.610 | 68260. | 2.580 | 16.48 | 25.92 |
| Stddev | .024 | 454. | .067 | .35 | .01 |
| %RSD | .8999 | .6647 | 2.593 | 2.122 | .0290 |
| #1 | 2.594 | 68580. | 2.628 | 16.73 | 25.91 |
| #2 | 2.627 | 67940. | 2.533 | 16.23 | 25.92 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828877 Acquired: 5/28/2010 10:35:05 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 293.9 | 40590. | 4058. | 9521. | 3444. |
| Stddev | .1 | 100. | 76. | 91. | 4. |
| %RSD | .0322 | .2457 | 1.876 | .9593 | .1287 |
| #1 | 293.8 | 40660. | 4112. | 9586. | 3441. |
| #2 | 293.9 | 40520. | 4004. | 9457. | 3448. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 366.8 | 352.1 | 18.56 | 1310. | 256.7 |
| Stddev | .5 | 25.7 | .61 | 1. | 1.1 |
| %RSD | .1411 | 7.290 | 3.280 | .0935 | .4163 |
| #1 | 366.4 | 370.3 | 18.99 | 1311. | 255.9 |
| #2 | 367.2 | 334.0 | 18.13 | 1309. | 257.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828877 Acquired: 5/28/2010 10:35:05 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.303 | 1.263 | 2442. | 4.871 | 172.9 |
| Stddev | 2.743 | 3.132 | 2. | .979 | .5 |
| %RSD | 210.6 | 248.0 | .0748 | 20.10 | .3051 |
| #1 | -3.242 | 3.478 | 2441. | 4.179 | 172.5 |
| #2 | .6369 | -.9516 | 2444. | 5.564 | 173.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 323.7 | -8.838 | 48.58 | 346.3 | |
| Stddev | 1.0 | 3.099 | .17 | .2 | |
| %RSD | .2988 | 35.06 | .3443 | .0648 | |
| #1 | 324.4 | -11.03 | 48.70 | 346.5 | |
| #2 | 323.0 | -6.647 | 48.47 | 346.2 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828877 Acquired: 5/28/2010 10:35:05 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 396.70 | 3863.9 | 4092.9 | 4736.7 |
| Stddev | 3.66 | 28.6 | 10.4 | 15.4 |
| %RSD | .92219 | .74042 | .25295 | .32559 |
| #1 | 394.12 | 3843.6 | 4085.5 | 4725.8 |
| #2 | 399.29 | 3884.1 | 4100.2 | 4747.6 |

Sample Name: 828878 Acquired: 5/28/2010 10:39:01 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|---------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.329 | 121000. | 63.46 | 59.03 | 2430. |
| Stddev | .919 | 164. | 2.58 | .27 | 12. |
| %RSD | 27.62 | .1351 | 4.059 | .4543 | .4918 |
| #1 | -3.979 | 121100. | 65.28 | 59.22 | 2439. |
| #2 | -2.679 | 120900. | 61.64 | 58.84 | 2422. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|---------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.321 | 476200. | 2.512 | 50.56 | 122.0 |
| Stddev | .141 | 467. | .255 | .07 | .6 |
| %RSD | 1.690 | .0981 | 10.13 | .1418 | .5066 |
| #1 | 8.221 | 475800. | 2.332 | 50.61 | 121.6 |
| #2 | 8.420 | 476500. | 2.691 | 50.51 | 122.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828878 Acquired: 5/28/2010 10:39:01 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|---------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 226.6 | 130500. | 19940. | 59650. | 3419. |
| Stddev | .6 | 213. | 104. | 16. | 50. |
| %RSD | .2810 | .1633 | .5207 | .0260 | 1.451 |
| #1 | 226.1 | 130600. | 20010. | 59640. | 3454. |
| #2 | 227.0 | 130300. | 19870. | 59660. | 3384. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|---------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 228.0 | 1159. | 97.84 | 4634. | 215.7 |
| Stddev | .8 | 17. | .39 | 10. | 2.3 |
| %RSD | .3425 | 1.459 | .4027 | .2074 | 1.060 |
| #1 | 227.4 | 1171. | 97.56 | 4641. | 217.3 |
| #2 | 228.5 | 1147. | 98.12 | 4627. | 214.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828878 Acquired: 5/28/2010 10:39:01 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|---------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.621 | -1.189 | 4298. | 1.651 | 1480. |
| Stddev | 1.543 | .871 | 6. | .318 | 5. |
| %RSD | 27.46 | 73.25 | .1502 | 19.26 | .3429 |
| #1 | -6.712 | -.5730 | 4294. | 1.426 | 1477. |
| #2 | -4.530 | -1.805 | 4303. | 1.876 | 1484. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|---------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2496. | -7.856 | 336.1 | 462.7 |
| Stddev | | .336 | .8 | .3 |
| %RSD | .0169 | 4.278 | .2308 | .0570 |
| #1 | 2497. | -8.093 | 336.6 | 462.5 |
| #2 | 2496. | -7.618 | 335.5 | 462.9 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828878 Acquired: 5/28/2010 10:39:01 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y.-HWAX | Y.-LWAX | Y.-HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 362.51 | 3823.3 | 4048.3 | 4842.6 |
| Stddev | 1.56 | 26.3 | 16.1 | 10.8 |
| %RSD | .43105 | .68745 | .39707 | .22398 |
| #1 | 361.41 | 3804.7 | 4036.9 | 4834.9 |
| #2 | 363.62 | 3841.9 | 4059.6 | 4850.2 |

Sample Name: 828879 Acquired: 5/28/2010 10:43:02 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.829 | 90460. | 50.17 | 44.03 | 1822. |
| Stddev | .441 | 264. | 2.08 | 1.16 | 17. |
| %RSD | 15.59 | .2918 | 4.143 | 2.624 | .9181 |

#1 -2.517 90280. 48.70 44.84 1810.
 #2 -3.141 90650. 51.64 43.21 1834.
 Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.220 | 383000. | 2.199 | 39.83 | 98.55 |
| Stddev | .146 | 456. | .165 | .23 | .16 |
| %RSD | 2.355 | .1190 | 7.483 | .5790 | .1645 |

#1 6.324 382600. 2.315 39.67 98.43
 #2 6.117 383300. 2.082 40.00 98.66
 Check ? None None None None None
 Value
 Range

Sample Name: 828879 Acquired: 5/28/2010 10:43:02 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.5 | 103100. | 13460. | 50290. | 2672. |
| Stddev | 1.0 | 124. | 61. | 168. | 5. |
| %RSD | .4823 | .1203 | .4530 | .3340 | .2027 |

#1 199.8 103000. 13420. 50410. 2668.
 #2 201.2 103200. 13510. 50170. 2676.
 Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 143.2 | 915.4 | 79.71 | 3813. | 145.9 |
| Stddev | .3 | 4.2 | .96 | 9. | .4 |
| %RSD | .1929 | .4561 | 1.209 | .2355 | .2528 |

#1 143.0 918.3 79.03 3806. 145.6
 #2 143.4 912.4 80.39 3819. 146.1
 Check ? None None None None None
 Value
 Range

Sample Name: 828879 Acquired: 5/28/2010 10:43:02 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.086 | .6341 | 2845. | 1.949 | 1164. |
| Stddev | 1.481 | 2.484 | 11. | .260 | 4. |
| %RSD | 24.33 | 391.7 | .3920 | 13.32 | .3066 |

#1 -7.133 -1.122 2853. 1.765 1166.
 #2 -5.039 2.390 2838. 2.132 1161.
 Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1776. | -6.042 | 261.9 | 372.8 |
| Stddev | 5. | 2.027 | .2 | .1 |
| %RSD | .3022 | 33.55 | .0896 | .0181 |

#1 1773. -4.609 262.1 372.9
 #2 1780. -7.475 261.8 372.8
 Check ? None None None None
 Value
 Range

Sample Name: 828879 Acquired: 5/28/2010 10:43:02 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 366.89 | 3748.2 | 3988.9 | 4756.6 |
| Stddev | .56 | 6.2 | 2.1 | 25.3 |
| %RSD | .15181 | .16572 | .05367 | .53123 |

#1 367.29 3752.6 3990.4 4738.7
 #2 366.50 3743.8 3987.3 4774.4

Sample Name: 828880 Acquired: 5/28/2010 10:46:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|---------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.919 | 65360. | 41.80 | 20.72 | 1187. |
| Stddev | .029 | 248. | 3.64 | 1.57 | 6. |
| %RSD | .9988 | .3795 | 8.716 | 7.592 | .4652 |
| #1 | -2.940 | 65540. | 44.38 | 19.61 | 1191. |
| #2 | -2.899 | 65190. | 39.22 | 21.83 | 1183. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|---------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.046 | 238600. | 3.079 | 44.99 | 100.5 |
| Stddev | .121 | 827. | .205 | .17 | .2 |
| %RSD | 2.000 | .3466 | 6.676 | .3679 | .2103 |
| #1 | 5.960 | 239200. | 3.224 | 45.11 | 100.7 |
| #2 | 6.131 | 238000. | 2.933 | 44.87 | 100.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828880 Acquired: 5/28/2010 10:46:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|---------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 344.7 | 108600. | 9775. | 36910. | 4253. |
| Stddev | 2.6 | 610. | . | 145. | 46. |
| %RSD | .7413 | .5616 | .0038 | .3917 | 1.072 |
| #1 | 346.5 | 109100. | 9775. | 37010. | 4285. |
| #2 | 342.9 | 108200. | 9776. | 36810. | 4221. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|---------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 273.1 | 677.3 | 84.69 | 3258. | 254.1 |
| Stddev | .5 | 5.7 | .93 | 1. | 1.1 |
| %RSD | .1905 | .8365 | 1.096 | .0406 | .4233 |
| #1 | 272.7 | 673.3 | 85.35 | 3257. | 254.9 |
| #2 | 273.4 | 681.3 | 84.03 | 3259. | 253.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828880 Acquired: 5/28/2010 10:46:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|---------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.146 | -.2325 | 2934. | 6.243 | 646.3 |
| Stddev | .076 | .2130 | 16. | .236 | 1.9 |
| %RSD | 1.231 | 91.60 | .5573 | 3.777 | .2991 |
| #1 | -6.200 | -.3832 | 2946. | 6.409 | 647.7 |
| #2 | -6.093 | -.0819 | 2922. | 6.076 | 645.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|---------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1410. | -9.965 | 218.9 | 519.9 |
| Stddev | 4. | 2.873 | 2.9 | .2 |
| %RSD | .3178 | 28.83 | 1.310 | .0295 |
| #1 | 1413. | -7.933 | 220.9 | 519.8 |
| #2 | 1407. | -12.00 | 216.8 | 520.0 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828880 Acquired: 5/28/2010 10:46:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 376.96 | 3806.1 | 4044.4 | 4758.2 |
| Stddev | 1.92 | 13.4 | 9.3 | 20.5 |
| %RSD | .50943 | .35197 | .23028 | .43060 |
| #1 | 375.60 | 3796.7 | 4037.8 | 4743.8 |
| #2 | 378.32 | 3815.6 | 4051.0 | 4772.7 |

Sample Name: 828881 Acquired: 5/28/2010 10:51:01 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.853 | 27390. | 25.67 | -4.956 | 98.46 |
| Stddev | .865 | 111. | .98 | .458 | 3.13 |
| %RSD | 22.46 | .4040 | 3.836 | 9.235 | 3.180 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -3.241 | 27470. | 24.98 | -5.280 | 100.7 |
| #2 | -4.465 | 27310. | 26.37 | -4.632 | 96.24 |

Check ? Value Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.420 | 103800. | 5.030 | 31.72 | 45.94 |
| Stddev | .027 | 100. | .047 | .34 | .14 |
| %RSD | .6062 | .0964 | .9255 | 1.060 | .3110 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 4.401 | 103900. | 5.063 | 31.48 | 45.84 |
| #2 | 4.439 | 103700. | 4.997 | 31.95 | 46.05 |

Check ? Value Range

Sample Name: 828881 Acquired: 5/28/2010 10:51:01 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 524.6 | 73660. | 6966. | 15310. | 4808. |
| Stddev | 2.1 | 46. | 7. | 4. | 64. |
| %RSD | .4093 | .0622 | .0943 | .0248 | 1.327 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | 523.1 | 73630. | 6962. | 15310. | 4763. |
| #2 | 526.2 | 73690. | 6971. | 15310. | 4853. |

Check ? Value Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1003. | 537.6 | 37.31 | 2282. | 354.2 |
| Stddev | 4. | 28.9 | .46 | 12. | 5. |
| %RSD | .4018 | 5.368 | 1.242 | .5154 | .1331 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1000. | 558.0 | 36.99 | 2274. | 353.9 |
| #2 | 1006. | 517.1 | 37.64 | 2290. | 354.6 |

Check ? Value Range

Sample Name: 828881 Acquired: 5/28/2010 10:51:01 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.035 | -.0608 | 3389. | 6.777 | 240.5 |
| Stddev | .451 | 3.732 | 1. | .350 | 2.2 |
| %RSD | 8.965 | 6134. | .0198 | 5.163 | .9101 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -5.354 | 2.578 | 3389. | 7.025 | 238.9 |
| #2 | -4.716 | -2.700 | 3390. | 6.530 | 242.0 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 525.0 | -12.58 | 87.32 | 736.2 |
| Stddev | .4 | .01 | .93 | 1.1 |
| %RSD | .0817 | .0765 | 1.065 | .1489 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 524.7 | -12.59 | 86.66 | 735.4 |
| #2 | 525.3 | -12.57 | 87.98 | 737.0 |

Check ? Value Range

Sample Name: 828881 Acquired: 5/28/2010 10:51:01 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 386.85 | 3872.9 | 4119.4 | 4794.0 |
| Stddev | .66 | 8.6 | 6.7 | 41.6 |
| %RSD | .17032 | .22305 | .16310 | .86862 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 387.32 | 3879.0 | 4124.1 | 4823.5 |
| #2 | 386.39 | 3866.8 | 4114.6 | 4764.6 |

Sample Name: 828882 Acquired: 5/28/2010 10:54:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.617 | 83690. | 43.93 | 32.69 | 1077. |
| Stddev | .342 | 82. | .18 | .92 | 9. |
| %RSD | 13.06 | .0976 | .4097 | 2.823 | .8200 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -2.375 | 83640. | 44.06 | 32.04 | 1071. |
| #2 | -2.859 | 83750. | 43.81 | 33.34 | 1083. |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.694 | 305700. | 2.354 | 42.94 | 119.4 |
| Stddev | .086 | 257. | .042 | .04 | .1 |
| %RSD | 1.280 | .0841 | 1.791 | .0836 | .1173 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 6.633 | 305900. | 2.324 | 42.97 | 119.5 |
| #2 | 6.754 | 305500. | 2.384 | 42.92 | 119.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828882 Acquired: 5/28/2010 10:54:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 360.5 | 115000. | 15620. | 47810. | 3339. |
| Stddev | 1.5 | 87. | 70. | 90. | 19. |
| %RSD | .4082 | .0758 | .4483 | .1880 | .5549 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 359.4 | 115100. | 15570. | 47870. | 3325. |
| #2 | 361.5 | 115000. | 15670. | 47740. | 3352. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 231.2 | 760.0 | 89.45 | 3925. | 329.1 |
| Stddev | .0 | 11.9 | .15 | 23. | 7.3 |
| %RSD | .0045 | 1.571 | .1654 | .5844 | 2.225 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 231.1 | 751.5 | 89.55 | 3909. | 323.9 |
| #2 | 231.2 | 768.4 | 89.34 | 3941. | 334.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828882 Acquired: 5/28/2010 10:54:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.724 | -1.697 | 4091. | 3.177 | 885.3 |
| Stddev | .322 | 3.535 | 29. | .189 | 13.3 |
| %RSD | 4.793 | 208.4 | .7060 | 5.949 | 1.501 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -6.952 | .8031 | 4071. | 3.043 | 894.7 |
| #2 | -6.496 | -4.196 | 4112. | 3.310 | 875.9 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2033. | -8.788 | 244.2 | 470.9 |
| Stddev | 1. | 1.789 | .4 | 3.5 |
| %RSD | .0492 | 20.36 | .1664 | .7504 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2033. | -10.05 | 244.5 | 468.4 |
| #2 | 2032. | -7.523 | 243.9 | 473.4 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828882 Acquired: 5/28/2010 10:54:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 367.51 | 3788.8 | 4012.9 | 4705.1 |
| Stddev | 4.49 | 18.8 | 34.0 | 3.0 |
| %RSD | 1.2214 | .49618 | .84784 | .06426 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 370.69 | 3802.1 | 4036.9 | 4703.0 |
| #2 | 364.34 | 3775.6 | 3988.8 | 4707.3 |

Sample Name: 828883 Acquired: 5/28/2010 10:58:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.852 | 123100. | 63.01 | 47.21 | 1445. |
| Stddev | .316 | 205. | .02 | .31 | 4. |
| %RSD | 11.08 | .1665 | .0343 | .6533 | .3045 |
| #1 | -2.628 | 123000. | 63.02 | 47.00 | 1448. |
| #2 | -3.075 | 123300. | 62.99 | 47.43 | 1441. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.135 | 390900. | 2.674 | 65.60 | 183.8 |
| Stddev | .054 | 32. | .372 | .10 | .3 |
| %RSD | .5924 | .0082 | 13.93 | .1455 | .1371 |
| #1 | 9.173 | 390900. | 2.937 | 65.53 | 184.0 |
| #2 | 9.096 | 390900. | 2.410 | 65.67 | 183.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828883 Acquired: 5/28/2010 10:58:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 259.9 | 164800. | 19950. | 72740. | 3904. |
| Stddev | .4 | 824. | 38. | 58. | 17. |
| %RSD | .1585 | .4998 | .1923 | .0804 | .4451 |
| #1 | 260.1 | 165400. | 19980. | 72780. | 3916. |
| #2 | 259.6 | 164200. | 19920. | 72700. | 3892. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 122.7 | 1018. | 140.8 | 5180. | 325.1 |
| Stddev | .0 | 28. | .1 | 10. | 2.2 |
| %RSD | .0139 | 2.779 | .1053 | .1981 | .6770 |
| #1 | 122.7 | 1038. | 140.7 | 5173. | 326.6 |
| #2 | 122.7 | 998.1 | 140.9 | 5187. | 323.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828883 Acquired: 5/28/2010 10:58:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -13.77 | 1.597 | 3593. | .8542 | 1241. |
| Stddev | 2.03 | 4.387 | 12. | .4420 | 1. |
| %RSD | 14.77 | 274.8 | .3299 | 51.75 | .1118 |
| #1 | -12.33 | 4.699 | 3601. | 1.167 | 1240. |
| #2 | -15.20 | -1.506 | 3584. | .5416 | 1242. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 3066. | -5.434 | 384.1 | 564.1 | |
| Stddev | 6. | 2.207 | 2.8 | .2 | |
| %RSD | .1968 | 40.61 | .7355 | .0350 | |
| #1 | 3070. | -3.873 | 386.1 | 564.2 | |
| #2 | 3062. | -6.994 | 382.1 | 564.0 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828883 Acquired: 5/28/2010 10:58:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 366.21 | 3799.3 | 4018.7 | 4755.1 |
| Stddev | .99 | 14.9 | 7.5 | 7.5 |
| %RSD | .27156 | .39296 | .18604 | .15760 |
| #1 | 365.51 | 3788.8 | 4013.5 | 4749.8 |
| #2 | 366.91 | 3809.9 | 4024.0 | 4760.4 |

Sample Name: 828884 Acquired: 5/28/2010 11:02:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|--------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.556 | 94590. | 50.65 | 38.60 | 1347. |
| Stddev | .865 | 38. | .05 | .90 | 4. |
| %RSD | 33.85 | .0403 | .0898 | 2.335 | .2894 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -3.168 | 94560. | 50.68 | 37.96 | 1350. |
| #2 | -1.944 | 94610. | 50.62 | 39.23 | 1344. |

Check ? Value Range
 None None None None None

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.845 | 319300. | 2.234 | 50.28 | 147.6 |
| Stddev | .071 | 119. | .131 | .55 | .1 |
| %RSD | 1.042 | .0373 | 5.841 | 1.101 | .0594 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 6.795 | 319200. | 2.141 | 50.67 | 147.7 |
| #2 | 6.896 | 319400. | 2.326 | 49.89 | 147.6 |

Check ? Value Range
 None None None None None

Sample Name: 828884 Acquired: 5/28/2010 11:02:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 207.6 | 128200. | 17450. | 56150. | 3038. |
| Stddev | .8 | 211. | 158. | 29. | 11. |
| %RSD | .3758 | .1643 | .9075 | .0513 | .3590 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 208.1 | 128300. | 17340. | 56170. | 3046. |
| #2 | 207.0 | 128000. | 17570. | 56120. | 3030. |

Check ? Value Range
 None None None None None

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 122.8 | 790.3 | 121.2 | 4556. | 203.7 |
| Stddev | 1.1 | 3.4 | .9 | 24. | 2.5 |
| %RSD | .8558 | .4302 | .7311 | .5160 | 1.221 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 122.0 | 792.7 | 120.6 | 4540. | 205.5 |
| #2 | 123.5 | 787.9 | 121.8 | 4573. | 202.0 |

Check ? Value Range
 None None None None None

Sample Name: 828884 Acquired: 5/28/2010 11:02:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|---------------|----------------|---------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.350 | -.8893 | 3135. | 2.440 | 930.4 |
| Stddev | 1.220 | 3.110 | 11. | .992 | 7.4 |
| %RSD | 13.05 | 349.7 | .3427 | 40.63 | .7922 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -8.487 | -3.088 | 3143. | 1.739 | 925.2 |
| #2 | -10.21 | 1.310 | 3127. | 3.141 | 935.7 |

Check ? Value Range
 None None None None None

| | | | | |
|--------|----------------|---------------|----------------|---------------|
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2238. | -5.429 | 286.9 | 487.9 |
| Stddev | | 1.566 | .6 | .6 |
| %RSD | .0118 | 28.84 | .2094 | .1240 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2238. | -6.537 | 287.3 | 487.5 |
| #2 | 2237. | -4.322 | 286.4 | 488.3 |

Check ? Value Range
 None None None None

Sample Name: 828884 Acquired: 5/28/2010 11:02:58 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 366.96 | 3740.6 | 3955.3 | 4688.9 |
| Stddev | .18 | 14.2 | 10.7 | 10.4 |
| %RSD | .05035 | .38091 | .26955 | .22249 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 366.83 | 3750.6 | 3962.9 | 4696.3 |
| #2 | 367.09 | 3730.5 | 3947.8 | 4681.5 |

Sample Name: CCV Acquired: 5/28/2010 11:07:00 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.06 | 30480. | 102.6 | 717.9 | 196.8 |
| Stddev | .09 | 83. | .7 | 1.2 | 3.0 |
| %RSD | .0910 | .2715 | .6386 | .1611 | 1.500 |
| #1 | 98.99 | 30420. | 102.1 | 717.1 | 198.9 |
| #2 | 99.12 | 30540. | 103.1 | 718.7 | 194.8 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.8 | 30250. | 98.92 | 192.0 | 195.2 |
| Stddev | .0 | 84. | .04 | .1 | .1 |
| %RSD | .0141 | .2779 | .0360 | .0668 | .0295 |
| #1 | 100.8 | 30190. | 98.89 | 192.1 | 195.1 |
| #2 | 100.8 | 30310. | 98.94 | 191.9 | 195.2 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 11:07:00 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 191.0 | 30270. | 30320. | 30460. | 192.1 |
| Stddev | .0 | 108. | 162. | 32. | .8 |
| %RSD | .0228 | .3558 | .5347 | .1043 | .4252 |
| #1 | 191.0 | 30350. | 30210. | 30440. | 192.7 |
| #2 | 191.0 | 30200. | 30440. | 30480. | 191.6 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_-LWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.5 | 30640. | 189.9 | 208.6 | 400.9 |
| Stddev | .6 | 65. | .5 | 3.3 | 3.0 |
| %RSD | .3195 | .2126 | .2820 | 1.563 | .7483 |
| #1 | 200.1 | 30590. | 190.3 | 210.9 | 403.0 |
| #2 | 201.0 | 30690. | 189.5 | 206.2 | 398.8 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 11:07:00 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_-LWAX) | (Y_-LWAX) | (Y_HWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 295.8 | 101.1 | 1008. | 197.3 | 308.7 |
| Stddev | 2.8 | 2.8 | 2. | 1.0 | 2.0 |
| %RSD | .9533 | 2.747 | .2031 | .4840 | .6515 |
| #1 | 297.8 | 103.1 | 1010. | 196.7 | 310.1 |
| #2 | 293.8 | 99.16 | 1007. | 198.0 | 307.3 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 398.7 | 102.0 | 199.2 | 199.1 |
| Stddev | 2.4 | .6 | .6 | .4 |
| %RSD | .6123 | .5724 | .2847 | .1940 |
| #1 | 400.5 | 102.4 | 198.8 | 199.3 |
| #2 | 397.0 | 101.6 | 199.6 | 198.8 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 11:07:00 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_-LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 381.85 | 3572.0 | 3803.5 | 4310.4 |
| Stddev | 1.04 | 27.7 | 15.8 | 34.4 |
| %RSD | .27257 | .77436 | .41507 | .79775 |
| #1 | 381.11 | 3591.5 | 3792.3 | 4334.7 |
| #2 | 382.58 | 3552.4 | 3814.6 | 4286.1 |

Sample Name: CCB Acquired: 5/28/2010 11:10:48 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6858 | -18.37 | -1.056 | .5934 | -1.883 |
| Stddev | .4512 | 23.45 | .678 | 1.687 | 5.285 |
| %RSD | 65.79 | 127.7 | 64.16 | 284.2 | 280.6 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | -1.005 | -34.95 | -1.535 | 1.786 | -5.620 |
| #2 | -3668 | -1.787 | -5.770 | -5.992 | 1.854 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (484) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1314 | 113.8 | .3665 | .0826 | .0559 |
| Stddev | .2974 | 72.0 | .2341 | .2959 | .0676 |
| %RSD | 226.3 | 63.24 | 63.88 | 358.4 | 121.0 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | .3417 | 164.6 | .5321 | -.1267 | .1037 |
| #2 | -.0789 | 62.89 | .2010 | .2918 | .0081 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/28/2010 11:10:48 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2799 | 29.71 | -208.8 | 25.74 | .8855 |
| Stddev | .6341 | 7.60 | 19.1 | 8.80 | .1609 |
| %RSD | 226.6 | 25.59 | 9.127 | 34.19 | 18.17 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | .1685 | 35.08 | -195.4 | 31.97 | .9992 |
| #2 | -.7282 | 24.33 | -222.3 | 19.52 | .7717 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7490 | 15.75 | .0699 | 3.886 | -.5702 |
| Stddev | .3275 | 14.95 | .3267 | 3.825 | 1.299 |
| %RSD | 43.72 | 94.91 | 467.1 | 98.42 | 227.9 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | .9806 | 26.32 | .3009 | 1.182 | -1.489 |
| #2 | .5175 | 5.179 | -.1611 | 6.591 | .3486 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/28/2010 11:10:48 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.394 | 3.714 | -5.388 | -.3766 | .2485 |
| Stddev | .680 | .155 | .947 | 1.260 | .0597 |
| %RSD | 48.76 | 4.160 | 17.57 | 334.6 | 24.04 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | -1.875 | 3.604 | -6.057 | .5145 | .2907 |
| #2 | -.9134 | 3.823 | -4.718 | -1.268 | .2063 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .3211 | 1.745 | -.2560 | .0129 |
| Stddev | .2640 | .210 | .3165 | .0021 |
| %RSD | 82.21 | 12.03 | 123.6 | 16.28 |

| | | | | |
|------------|----------|----------|----------|----------|
| #1 | .5077 | 1.894 | -.4799 | .0114 |
| #2 | .1344 | 1.597 | -.0322 | .0144 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCB Acquired: 5/28/2010 11:10:48 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 401.02 | 3622.0 | 3860.4 | 4357.5 |
| Stddev | 2.20 | 17.1 | 6.1 | 13.0 |
| %RSD | .54763 | .47248 | .15737 | .29907 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 399.46 | 3609.9 | 3856.1 | 4348.3 |
| #2 | 402.57 | 3634.1 | 3864.7 | 4366.8 |

Sample Name: 828885 Acquired: 5/28/2010 11:14:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.521 | 108600. | 62.25 | 42.54 | 996.5 |
| Stddev | .995 | 158. | 1.20 | .40 | 5.2 |
| %RSD | 39.48 | .1459 | 1.930 | .9306 | .5178 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -1.817 | 108500. | 61.40 | 42.26 | 992.9 |
| #2 | -3.224 | 108700. | 63.10 | 42.81 | 1000. |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.011 | 241300. | 3.049 | 68.46 | 208.7 |
| Stddev | .144 | 450. | .267 | .35 | .4 |
| %RSD | 1.596 | .1864 | 8.741 | .5149 | .1700 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 9.113 | 241000. | 2.861 | 68.71 | 208.4 |
| #2 | 8.910 | 241600. | 3.237 | 68.21 | 208.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828885 Acquired: 5/28/2010 11:14:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 197.4 | 179100. | 21040. | 66770. | 3800. |
| Stddev | 1.4 | 543. | 206. | 77. | 11. |
| %RSD | .7168 | .3030 | .9779 | .1154 | .3001 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 198.4 | 179500. | 20890. | 66720. | 3808. |
| #2 | 196.4 | 178700. | 21180. | 66830. | 3792. |

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 67.98 | 763.5 | 167.0 | 6207. | 210.8 |
| Stddev | .61 | 27.5 | .1 | 10. | 2.7 |
| %RSD | .9032 | 3.601 | .0770 | .1675 | 1.292 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 68.41 | 782.9 | 167.1 | 6214. | 208.8 |
| #2 | 67.54 | 744.1 | 166.9 | 6199. | 212.7 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828885 Acquired: 5/28/2010 11:14:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.861 | -2.290 | 3360. | 1.767 | 837.5 |
| Stddev | .852 | 1.157 | 25. | .198 | 6.6 |
| %RSD | 8.643 | 50.53 | .7521 | 11.22 | .7908 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -10.46 | -3.108 | 3378. | 1.627 | 832.8 |
| #2 | -9.259 | -1.472 | 3342. | 1.907 | 842.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2649. | -8.586 | 362.2 | 613.7 |
| Stddev | 3. | .662 | .3 | 1.5 |
| %RSD | .1093 | 7.715 | .0820 | .2479 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2651. | -9.055 | 362.0 | 612.6 |
| #2 | 2647. | -8.118 | 362.4 | 614.8 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828885 Acquired: 5/28/2010 11:14:43 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y. HWAX | Y.-LWAX | Y. HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 367.18 | 3740.4 | 3956.1 | 4645.3 |
| Stddev | .69 | 7.7 | 5.2 | 17.0 |
| %RSD | .18919 | .20566 | .13132 | .36668 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 366.69 | 3735.0 | 3952.4 | 4657.4 |
| #2 | 367.67 | 3745.9 | 3959.7 | 4633.3 |

Sample Name: 828886 Acquired: 5/28/2010 11:18:42 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.162 | 47870. | 21.67 | -2.434 | 164.7 |
| Stddev | .225 | 29. | 1.22 | .057 | 6.9 |
| %RSD | 10.42 | .0608 | 5.612 | 2.346 | 4.181 |
| #1 | -2.002 | 47850. | 22.53 | -2.394 | 169.5 |
| #2 | -2.321 | 47890. | 20.81 | -2.474 | 159.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.069 | 108300. | 8.734 | 17.82 | 73.19 |
| Stddev | .048 | 134. | .186 | .38 | .07 |
| %RSD | .5934 | .1232 | 2.126 | 2.127 | .1018 |
| #1 | 8.103 | 108200. | 8.865 | 17.55 | 73.14 |
| #2 | 8.035 | 108400. | 8.602 | 18.09 | 73.25 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886 Acquired: 5/28/2010 11:18:42 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 779.9 | 59770. | 11650. | 19980. | 5615. |
| Stddev | 2.7 | 236. | 51. | 46. | 31. |
| %RSD | .3409 | .3950 | .4380 | .2319 | .5557 |
| #1 | 778.0 | 59600. | 11610. | 20010. | 5593. |
| #2 | 781.8 | 59940. | 11680. | 19950. | 5637. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 851.5 | 1153. | 34.92 | 2506. | 1260. |
| Stddev | 1.4 | 18. | .01 | 3. | 2. |
| %RSD | .1679 | 1.571 | .0381 | .1216 | .1381 |
| #1 | 850.5 | 1140. | 34.91 | 2508. | 1261. |
| #2 | 852.5 | 1166. | 34.93 | 2504. | 1259. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886 Acquired: 5/28/2010 11:18:42 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.518 | -5.053 | 5977. | 5.324 | 248.7 |
| Stddev | .889 | 3.972 | 23. | .270 | 1.7 |
| %RSD | 25.28 | 78.61 | .3862 | 5.078 | .6957 |
| #1 | -2.889 | -2.244 | 5960. | 5.133 | 249.9 |
| #2 | -4.146 | -7.862 | 5993. | 5.515 | 247.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 718.6 | -16.32 | 87.17 | 1300. | |
| Stddev | 3.4 | 2.77 | .19 | . | |
| %RSD | .4714 | 16.97 | .2126 | .0268 | |
| #1 | 716.2 | -14.36 | 87.04 | 1300. | |
| #2 | 721.0 | -18.28 | 87.30 | 1300. | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886 Acquired: 5/28/2010 11:18:42 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 377.99 | 3871.8 | 4117.1 | 4690.8 |
| Stddev | 1.96 | 11.5 | 8.1 | 20.9 |
| %RSD | .51740 | .29727 | .19720 | .44535 |
| #1 | 376.60 | 3879.9 | 4111.4 | 4676.0 |
| #2 | 379.37 | 3863.7 | 4122.9 | 4705.6 |

Sample Name: 828886L Acquired: 5/28/2010 11:22:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.072 | 127200. | 52.44 | -5.487 | 457.6 |
| Stddev | 6.944 | 159000. | 68.57 | 9.757 | 561.7 |
| %RSD | 648.0 | 125.0 | 130.8 | 177.8 | 122.7 |

| | | | | | |
|----|--------|---------|-------|--------|-------|
| #1 | -5.982 | 239600. | 100.9 | -12.39 | 854.7 |
| #2 | 3.839 | 14810. | 3.950 | 1.413 | 60.42 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.12 | 286100. | 23.20 | 45.15 | 178.7 |
| Stddev | 26.48 | 359500. | 28.80 | 57.87 | 254.2 |
| %RSD | 125.4 | 125.6 | 124.2 | 128.2 | 142.2 |

| | | | | | |
|----|-------|---------|-------|-------|--------|
| #1 | 39.84 | 540300. | 43.56 | 86.07 | 358.5 |
| #2 | 2.393 | 31950. | 2.829 | 4.234 | -.9847 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886L Acquired: 5/28/2010 11:22:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1933. | 149800. | 30550. | 52880. | 13960. |
| Stddev | 2762. | 211000. | 38120. | 66460. | 19680. |
| %RSD | 142.9 | 140.9 | 124.8 | 125.7 | 141.0 |

| | | | | | |
|----|--------|---------|--------|--------|--------|
| #1 | 3886. | 299000. | 57500. | 99880. | 27880. |
| #2 | -19.87 | 597.5 | 3598. | 5887. | 36.89 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2091. | 3090. | 84.57 | 6186. | 3093. |
| Stddev | 2947. | 3675. | 124.6 | 8715. | 4358. |
| %RSD | 140.9 | 118.9 | 147.3 | 140.9 | 140.9 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 4174. | 5689. | 172.7 | 12350. | 6175. |
| #2 | 7.020 | 491.4 | -3.523 | 23.97 | 11.79 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886L Acquired: 5/28/2010 11:22:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -15.15 | -6.545 | 13970. | 13.35 | 623.9 |
| Stddev | 29.45 | 13.34 | 20080. | 17.99 | 879.0 |
| %RSD | 194.4 | 203.8 | 143.8 | 134.8 | 140.9 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | -35.98 | -15.98 | 28170. | 26.07 | 1245. |
| #2 | 5.677 | 2.886 | -235.3 | .6236 | 2.351 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1794. | -33.58 | 217.7 | 3203. |
| Stddev | 2530. | 46.48 | 303.8 | 4527. |
| %RSD | 141.0 | 138.4 | 139.5 | 141.3 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3583. | -66.44 | 432.6 | 6405. |
| #2 | 5.425 | -7104 | 2.904 | 2.317 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828886L Acquired: 5/28/2010 11:22:37 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 453.32 | 4418.8 | 4572.2 | 4946.1 |
| Stddev | 116.45 | 801.2 | 769.5 | 423.6 |
| %RSD | 25.688 | 18.131 | 16.829 | 8.5641 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 370.98 | 3852.2 | 4028.1 | 4646.6 |
| #2 | 535.66 | 4985.3 | 5116.3 | 5245.7 |

Sample Name: 828886A Acquired: 5/28/2010 11:26:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.454 | 47840. | 24.91 | -2.980 | 171.0 |
| Stddev | 1.611 | 144. | .24 | .051 | 7.9 |
| %RSD | 65.65 | .3015 | .9824 | 1.721 | 4.596 |
| #1 | -3.593 | 47740. | 24.74 | -2.943 | 165.5 |
| #2 | -1.315 | 47940. | 25.08 | -3.016 | 176.6 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.973 | 108100. | 8.865 | 17.72 | 72.91 |
| Stddev | .179 | 275. | .168 | .33 | .27 |
| %RSD | 2.247 | .2543 | 1.898 | 1.844 | .3696 |
| #1 | 8.100 | 108300. | 8.984 | 17.95 | 72.72 |
| #2 | 7.847 | 107900. | 8.746 | 17.49 | 73.10 |

Check ? Value Range
 None None None None None

Sample Name: 828886A Acquired: 5/28/2010 11:26:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 781.0 | 59990. | 11490. | 19870. | 5540. |
| Stddev | 3.0 | 149. | 35. | 40. | 17. |
| %RSD | .3876 | .2482 | .3086 | .2001 | .3140 |
| #1 | 783.2 | 60090. | 11510. | 19840. | 5553. |
| #2 | 778.9 | 59880. | 11460. | 19900. | 5528. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 854.0 | 1121. | 34.88 | 2512. | 1265. |
| Stddev | .2 | 24. | 1.12 | 3. | 9. |
| %RSD | .0212 | 2.158 | 3.212 | .1228 | .6730 |
| #1 | 853.9 | 1138. | 35.67 | 2510. | 1259. |
| #2 | 854.1 | 1104. | 34.09 | 2515. | 1271. |

Check ? Value Range
 None None None None None

Sample Name: 828886A Acquired: 5/28/2010 11:26:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.504 | 1.548 | 5649. | 5.470 | 248.3 |
| Stddev | 2.598 | .775 | 24. | .309 | 1.2 |
| %RSD | 47.21 | 50.09 | .4170 | 5.646 | .4667 |
| #1 | -3.666 | .9996 | 5666. | 5.252 | 247.5 |
| #2 | -7.341 | 2.096 | 5632. | 5.688 | 249.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 718.2 | -17.53 | 86.16 | 1304. |
| Stddev | .3 | .97 | .00 | . |
| %RSD | .0362 | 5.526 | .0054 | .0133 |
| #1 | 718.0 | -16.85 | 86.17 | 1304. |
| #2 | 718.3 | -18.22 | 86.16 | 1304. |

Check ? Value Range
 None None None None

Sample Name: 828886A Acquired: 5/28/2010 11:26:32 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 375.48 | 3849.5 | 4094.6 | 4669.2 |
| Stddev | .11 | 3.5 | 19.0 | 18.5 |
| %RSD | .02875 | .09118 | .46502 | .39665 |
| #1 | 375.40 | 3847.0 | 4081.1 | 4682.3 |
| #2 | 375.56 | 3852.0 | 4108.1 | 4656.1 |

#1 375.40 3847.0 4081.1 4682.3
 #2 375.56 3852.0 4108.1 4656.1

Sample Name: 828886MS Acquired: 5/28/2010 11:30:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 41.49 | 41330. | 56.78 | 391.2 | 1905. |
| Stddev | .24 | 72. | 2.10 | 2.7 | 12. |
| %RSD | .5775 | .1753 | 3.693 | .6884 | .6291 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 41.66 | 41280. | 58.26 | 389.3 | 1913. |
| #2 | 41.32 | 41380. | 55.29 | 393.1 | 1896. |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.60 | 98270. | 51.63 | 400.4 | 242.2 |
| Stddev | .02 | 18. | .62 | .9 | .0 |
| %RSD | .0402 | .0182 | 1.209 | .2151 | .0051 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 53.59 | 98280. | 52.07 | 401.1 | 242.2 |
| #2 | 53.62 | 98260. | 51.19 | 399.8 | 242.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886MS Acquired: 5/28/2010 11:30:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 813.7 | 52180. | 10030. | 17920. | 5226. |
| Stddev | 2.6 | 34. | 8. | 17. | 6. |
| %RSD | .3147 | .0655 | .0827 | .0958 | .1181 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 815.5 | 52200. | 10030. | 17910. | 5230. |
| #2 | 811.9 | 52150. | 10040. | 17930. | 5221. |

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1068. | 1181. | 441.6 | 2751. | 882.8 |
| Stddev | 2. | 2. | .3 | 5. | 1.0 |
| %RSD | .2022 | .1432 | .0619 | .1657 | .1086 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1067. | 1180. | 441.4 | 2755. | 882.1 |
| #2 | 1070. | 1183. | 441.8 | 2748. | 883.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886MS Acquired: 5/28/2010 11:30:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 288.4 | 47.09 | 6003. | 437.5 | 633.1 |
| Stddev | .6 | 3.97 | 17. | .1 | 1.7 |
| %RSD | .2110 | 8.434 | .2843 | .0249 | .2701 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 288.0 | 44.28 | 5991. | 437.6 | 634.3 |
| #2 | 288.9 | 49.90 | 6015. | 437.4 | 631.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1095. | 38.00 | 503.1 | 1413. |
| Stddev | 2. | 1.08 | .9 | 3. |
| %RSD | .1879 | 2.844 | .1819 | .2040 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 1096. | 38.76 | 503.8 | 1415. |
| #2 | 1093. | 37.23 | 502.5 | 1411. |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828886MS Acquired: 5/28/2010 11:30:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 376.45 | 3794.0 | 4046.8 | 4593.7 |
| Stddev | .04 | 4.2 | 13.2 | .1 |
| %RSD | .01080 | .11025 | .32707 | .00154 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 376.42 | 3797.0 | 4037.4 | 4593.6 |
| #2 | 376.47 | 3791.1 | 4056.1 | 4593.7 |

Sample Name: 828886DP Acquired: 5/28/2010 11:34:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.822 | 43600. | 21.92 | -1.255 | 144.1 |
| Stddev | .334 | 124. | .72 | 1.049 | 2.0 |
| %RSD | 18.33 | .2843 | 3.286 | 83.57 | 1.353 |
| #1 | -1.586 | 43690. | 21.41 | -.5133 | 145.4 |
| #2 | -2.058 | 43520. | 22.43 | -1.996 | 142.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.728 | 97500. | 9.298 | 15.63 | 76.83 |
| Stddev | .074 | 516. | .089 | .05 | .24 |
| %RSD | .9620 | .5292 | .9543 | .3512 | .3067 |
| #1 | 7.676 | 97870. | 9.360 | 15.60 | 76.66 |
| #2 | 7.781 | 97140. | 9.235 | 15.67 | 76.99 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886DP Acquired: 5/28/2010 11:34:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 872.4 | 55810. | 10210. | 19030. | 5275. |
| Stddev | 2.3 | 29. | 56. | 93. | 3. |
| %RSD | .2591 | .0515 | .5479 | .4884 | .0611 |
| #1 | 873.9 | 55830. | 10170. | 19100. | 5273. |
| #2 | 870.8 | 55790. | 10250. | 18970. | 5277. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 904.4 | 834.4 | 34.65 | 2237. | 1416. |
| Stddev | 4.0 | 17.3 | 1.36 | 4. | 4. |
| %RSD | .4449 | 2.076 | 3.932 | .1871 | .3020 |
| #1 | 901.6 | 846.6 | 35.61 | 2234. | 1419. |
| #2 | 907.3 | 822.1 | 33.68 | 2240. | 1413. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886DP Acquired: 5/28/2010 11:34:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3136 | -.3443 | 4524. | 6.138 | 231.3 |
| Stddev | 1.923 | .8844 | 14. | .558 | 1.0 |
| %RSD | 613.1 | 256.9 | .3158 | 9.086 | .4458 |
| #1 | 1.046 | -.9697 | 4535. | 6.532 | 232.0 |
| #2 | -1.673 | .2811 | 4514. | 5.743 | 230.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 668.6 | -12.40 | 83.54 | 1450. | |
| Stddev | .1 | 1.91 | .91 | 2. | |
| %RSD | .0183 | 15.40 | 1.091 | .1565 | |
| #1 | 668.5 | -13.75 | 82.89 | 1448. | |
| #2 | 668.7 | -11.05 | 84.18 | 1452. | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886DP Acquired: 5/28/2010 11:34:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 376.89 | 3844.4 | 4073.8 | 4609.8 |
| Stddev | 1.12 | 14.5 | 3.7 | 2.7 |
| %RSD | .29715 | .37734 | .09053 | .05865 |
| #1 | 376.10 | 3854.7 | 4071.2 | 4611.7 |
| #2 | 377.68 | 3834.1 | 4076.4 | 4607.9 |

Sample Name: 828887 Acquired: 5/28/2010 11:38:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.595 | 94220. | 46.77 | 31.94 | 908.0 |
| Stddev | 1.170 | 367. | 2.18 | .10 | 1.9 |
| %RSD | 73.34 | .3891 | 4.670 | .3040 | .2132 |
| #1 | -2.423 | 93960. | 48.31 | 31.87 | 909.4 |
| #2 | -.7680 | 94480. | 45.22 | 32.01 | 906.7 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.984 | 231100. | 3.823 | 51.57 | 149.2 |
| Stddev | .358 | 837. | .040 | .26 | .6 |
| %RSD | 4.487 | .3622 | 1.043 | .5075 | .3963 |
| #1 | 8.237 | 230500. | 3.795 | 51.76 | 148.8 |
| #2 | 7.731 | 231700. | 3.851 | 51.39 | 149.6 |

Check ? Value Range
 None None None None None

Sample Name: 828887 Acquired: 5/28/2010 11:38:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 315.7 | 134300. | 19710. | 51850. | 3739. |
| Stddev | .7 | 12. | 138. | 42. | 28. |
| %RSD | .2283 | .0088 | .7010 | .0818 | .7367 |
| #1 | 316.2 | 134300. | 19620. | 51820. | 3758. |
| #2 | 315.2 | 134300. | 19810. | 51880. | 3719. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 274.3 | 1127. | 113.5 | 5417. | 354.4 |
| Stddev | .8 | 5. | .6 | 15. | .3 |
| %RSD | .2851 | .4846 | .4949 | .2768 | .0709 |
| #1 | 273.7 | 1131. | 113.1 | 5406. | 354.2 |
| #2 | 274.8 | 1123. | 113.9 | 5427. | 354.5 |

Check ? Value Range
 None None None None None

Sample Name: 828887 Acquired: 5/28/2010 11:38:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -11.28 | -1.234 | 2941. | 2.021 | 736.7 |
| Stddev | 1.05 | .702 | 18. | .065 | 6.5 |
| %RSD | 9.310 | 56.87 | .6043 | 3.231 | .8830 |
| #1 | -12.02 | -1.730 | 2954. | 1.974 | 732.1 |
| #2 | -10.54 | -.7375 | 2928. | 2.067 | 741.3 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2284. | -8.389 | 264.8 | 701.5 |
| Stddev | 1. | .598 | .3 | .7 |
| %RSD | .0252 | 7.123 | .1011 | .0977 |
| #1 | 2284. | -7.966 | 265.0 | 701.0 |
| #2 | 2285. | -8.811 | 264.6 | 702.0 |

Check ? Value Range
 None None None None

Sample Name: 828887 Acquired: 5/28/2010 11:38:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 364.67 | 3735.9 | 3958.8 | 4558.2 |
| Stddev | 1.18 | 25.2 | 6.1 | 9.7 |
| %RSD | .32249 | .67452 | .15445 | .21230 |
| #1 | 363.84 | 3718.1 | 3963.1 | 4565.0 |
| #2 | 365.51 | 3753.7 | 3954.4 | 4551.3 |

Sample Name: 828888 Acquired: 5/28/2010 11:42:27 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.474 | 112400. | 59.27 | 30.25 | 804.7 |
| Stddev | .417 | 194. | 1.93 | .89 | 10.0 |
| %RSD | 12.01 | .1728 | 3.256 | 2.939 | 1.241 |
| #1 | -3.179 | 112200. | 57.91 | 30.88 | 811.8 |
| #2 | -3.769 | 112500. | 60.64 | 29.62 | 797.6 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.48 | 195800. | 4.639 | 62.07 | 193.0 |
| Stddev | .26 | 104. | .080 | .24 | .2 |
| %RSD | 2.512 | .0532 | 1.717 | .3880 | .1133 |
| #1 | 10.29 | 195700. | 4.583 | 62.24 | 192.9 |
| #2 | 10.67 | 195800. | 4.695 | 61.90 | 193.2 |

Check ? Value Range
 None None None None None

Sample Name: 828888 Acquired: 5/28/2010 11:42:27 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 366.4 | 181300. | 27210. | 65320. | 5106. |
| Stddev | .3 | 212. | 15. | 78. | 9. |
| %RSD | .0906 | .1167 | .0548 | .1194 | .1836 |
| #1 | 366.2 | 181200. | 27200. | 65370. | 5113. |
| #2 | 366.7 | 181500. | 27220. | 65260. | 5100. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 248.7 | 928.1 | 142.5 | 5720. | 609.8 |
| Stddev | .1 | 29.8 | .2 | 8. | 4.8 |
| %RSD | .0385 | 3.211 | .1286 | .1433 | .7936 |
| #1 | 248.6 | 907.1 | 142.4 | 5726. | 606.4 |
| #2 | 248.7 | 949.2 | 142.7 | 5714. | 613.2 |

Check ? Value Range
 None None None None None

Sample Name: 828888 Acquired: 5/28/2010 11:42:27 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.75 | -2.578 | 3014. | .9486 | 695.4 |
| Stddev | 2.06 | 5.462 | 17. | 1.056 | .1 |
| %RSD | 19.20 | 211.8 | .5521 | 111.3 | .0182 |
| #1 | -12.21 | 1.284 | 3026. | .2022 | 695.4 |
| #2 | -9.293 | -6.440 | 3002. | 1.695 | 695.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3414. | -10.38 | 353.8 | 875.8 |
| Stddev | 3. | 2.26 | 2.1 | .8 |
| %RSD | .0869 | 21.75 | .5882 | .0893 |
| #1 | 3412. | -8.784 | 352.4 | 875.2 |
| #2 | 3416. | -11.98 | 355.3 | 876.3 |

Check ? Value Range
 None None None None

Sample Name: 828888 Acquired: 5/28/2010 11:42:27 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 363.33 | 3790.6 | 4017.5 | 4639.4 |
| Stddev | 2.97 | 3.6 | 2.1 | 18.0 |
| %RSD | .81724 | .09537 | .05263 | .38887 |
| #1 | 365.43 | 3788.1 | 4016.0 | 4652.1 |
| #2 | 361.23 | 3793.2 | 4019.0 | 4626.6 |

Sample Name: 828889 Acquired: 5/28/2010 11:46:27 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.666 | 92790. | 55.69 | 25.17 | 997.5 |
| Stddev | .266 | 135. | 3.70 | .11 | 5.5 |
| %RSD | 7.265 | .1459 | 6.649 | .4383 | .5527 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -3.854 | 92690. | 58.31 | 25.09 | 993.6 |
| #2 | -3.478 | 92880. | 53.07 | 25.24 | 1001. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.304 | 177900. | 2.197 | 74.85 | 179.9 |
| Stddev | .293 | 649. | .046 | .13 | .1 |
| %RSD | 4.012 | .3648 | 2.094 | .1777 | .0742 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 7.097 | 177400. | 2.164 | 74.95 | 179.8 |
| #2 | 7.511 | 178400. | 2.229 | 74.76 | 180.0 |

Check ? Value Range
 None None None None None

Sample Name: 828889 Acquired: 5/28/2010 11:46:27 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 177.9 | 163400. | 16640. | 67070. | 4956. |
| Stddev | .6 | 236. | 56. | 243. | 55. |
| %RSD | .3275 | .1442 | .3337 | .3623 | 1.100 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 178.3 | 163500. | 16680. | 66900. | 4918. |
| #2 | 177.5 | 163200. | 16600. | 67250. | 4995. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 48.68 | 1219. | 177.1 | 6219. | 203.9 |
| Stddev | .26 | 7. | .1 | 1. | 1.2 |
| %RSD | .5411 | .5386 | .0794 | .0092 | .6117 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 48.50 | 1223. | 177.2 | 6219. | 203.1 |
| #2 | 48.87 | 1214. | 177.0 | 6219. | 204.8 |

Check ? Value Range
 None None None None None

Sample Name: 828889 Acquired: 5/28/2010 11:46:27 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.95 | 1.109 | 2397. | 4.149 | 736.6 |
| Stddev | 2.39 | 1.297 | 2. | .051 | 10.3 |
| %RSD | 21.83 | 117.0 | .0663 | 1.227 | 1.392 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -12.63 | .1918 | 2398. | 4.113 | 729.3 |
| #2 | -9.256 | 2.026 | 2396. | 4.185 | 743.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2416. | -9.583 | 367.2 | 509.7 |
| Stddev | 1. | .139 | 1.0 | .6 |
| %RSD | .0447 | 1.455 | .2794 | .1207 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2417. | -9.682 | 367.9 | 509.3 |
| #2 | 2415. | -9.484 | 366.5 | 510.1 |

Check ? Value Range
 None None None None

Sample Name: 828889 Acquired: 5/28/2010 11:46:27 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 368.58 | 3657.4 | 3877.2 | 4411.2 |
| Stddev | .83 | 5.9 | 6.6 | 30.7 |
| %RSD | .22472 | .16073 | .16947 | .69590 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 369.17 | 3661.6 | 3872.6 | 4433.0 |
| #2 | 367.99 | 3653.3 | 3881.8 | 4389.5 |

Sample Name: 828890 Acquired: 5/28/2010 11:50:27 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.709 | 46400. | 22.52 | -1.569 | 179.2 |
| Stddev | 1.271 | 150. | 1.02 | .758 | 3.5 |
| %RSD | 34.26 | .3233 | 4.551 | 48.32 | 1.926 |
| #1 | -2.811 | 46290. | 21.79 | -1.033 | 181.7 |
| #2 | -4.608 | 46500. | 23.24 | -2.105 | 176.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.489 | 113800. | 4.910 | 17.92 | 73.27 |
| Stddev | .191 | 511. | .039 | .01 | .03 |
| %RSD | 2.555 | .4493 | .7976 | .0666 | .0394 |
| #1 | 7.354 | 113500. | 4.937 | 17.92 | 73.29 |
| #2 | 7.625 | 114200. | 4.882 | 17.93 | 73.25 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828890 Acquired: 5/28/2010 11:50:27 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 491.7 | 55300. | 12310. | 22250. | 4963. |
| Stddev | 1.0 | 25. | 9. | 15. | 7. |
| %RSD | .2066 | .0452 | .0717 | .0677 | .1417 |
| #1 | 492.5 | 55320. | 12310. | 22260. | 4958. |
| #2 | 491.0 | 55280. | 12320. | 22240. | 4968. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 714.8 | 1723. | 42.34 | 2795. | 522.6 |
| Stddev | .4 | 26. | .30 | 4. | 4.2 |
| %RSD | .0509 | 1.519 | .7020 | .1502 | .8071 |
| #1 | 714.6 | 1705. | 42.13 | 2798. | 519.6 |
| #2 | 715.1 | 1742. | 42.55 | 2792. | 525.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828890 Acquired: 5/28/2010 11:50:27 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.637 | .0998 | 5043. | 6.098 | 233.8 |
| Stddev | 1.579 | .8570 | 9. | .406 | 1.2 |
| %RSD | 43.42 | 858.7 | .1763 | 6.658 | .5017 |
| #1 | -2.520 | -.5062 | 5036. | 6.385 | 233.0 |
| #2 | -4.754 | .7058 | 5049. | 5.811 | 234.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 833.2 | -13.85 | 96.38 | 710.4 | |
| Stddev | .8 | 2.78 | 1.34 | 1.6 | |
| %RSD | .0937 | 20.07 | 1.394 | .2241 | |
| #1 | 833.8 | -11.89 | 95.43 | 711.5 | |
| #2 | 832.7 | -15.82 | 97.33 | 709.2 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828890 Acquired: 5/28/2010 11:50:27 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 369.68 | 3739.5 | 3988.6 | 4484.1 |
| Stddev | .56 | 1.6 | 16.8 | 23.2 |
| %RSD | .15217 | .04198 | .42139 | .51757 |
| #1 | 370.08 | 3740.6 | 3976.7 | 4500.5 |
| #2 | 369.28 | 3738.4 | 4000.5 | 4467.7 |

Sample Name: CCV Acquired: 5/28/2010 11:54:24 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.85 | 30720. | 103.3 | 714.8 | 194.0 |
| Stddev | .58 | 59. | 3.0 | .0 | 1.4 |
| %RSD | .5967 | .1916 | 2.937 | .0014 | .7123 |
| #1 | 97.25 | 30680. | 105.4 | 714.8 | 195.0 |
| #2 | 96.44 | 30770. | 101.2 | 714.8 | 193.0 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.9 | 30390. | 98.83 | 192.3 | 196.1 |
| Stddev | .3 | 65. | .09 | .0 | .1 |
| %RSD | .3406 | .2147 | .0938 | .0049 | .0644 |
| #1 | 100.6 | 30340. | 98.77 | 192.4 | 196.0 |
| #2 | 101.1 | 30440. | 98.90 | 192.3 | 196.2 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 11:54:24 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 190.3 | 30520. | 30350. | 30960. | 192.7 |
| Stddev | .2 | 92. | 63. | 156. | .8 |
| %RSD | .0905 | .3017 | .2084 | .5024 | .4099 |
| #1 | 190.4 | 30580. | 30310. | 30850. | 193.3 |
| #2 | 190.2 | 30450. | 30390. | 31070. | 192.2 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (ln2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.7 | 30880. | 189.8 | 205.2 | 402.9 |
| Stddev | .1 | 138. | .2 | .8 | 1.3 |
| %RSD | .0559 | .4478 | .1272 | .3837 | .3310 |
| #1 | 200.6 | 30790. | 189.6 | 205.8 | 403.8 |
| #2 | 200.7 | 30980. | 189.9 | 204.7 | 402.0 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 11:54:24 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 294.6 | 105.7 | 1018. | 198.7 | 311.7 |
| Stddev | 1.6 | 1.5 | 7. | .6 | 2.1 |
| %RSD | .5557 | 1.404 | .6994 | .3160 | .6710 |
| #1 | 295.8 | 104.7 | 1023. | 199.2 | 310.2 |
| #2 | 293.5 | 106.8 | 1013. | 198.3 | 313.2 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (ln2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 395.5 | 101.1 | 199.0 | 200.1 |
| Stddev | .7 | 1.3 | .1 | .1 |
| %RSD | .1714 | 1.304 | .0572 | .0555 |
| #1 | 395.9 | 100.1 | 198.9 | 200.0 |
| #2 | 395.0 | 102.0 | 199.1 | 200.2 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 11:54:24 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | ln2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 373.58 | 3489.2 | 3720.6 | 4140.2 |
| Stddev | 2.91 | 3.0 | 7.2 | 30.0 |
| %RSD | .77898 | .08480 | .19219 | .72492 |
| #1 | 371.52 | 3491.3 | 3715.5 | 4161.4 |
| #2 | 375.63 | 3487.1 | 3725.6 | 4119.0 |

Sample Name: CCB Acquired: 5/28/2010 11:58:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0593 | 18.67 | -.8447 | .6948 | -1.427 |
| Stddev | .2107 | 35.10 | .9456 | 1.006 | 3.053 |
| %RSD | 355.4 | 188.0 | 111.9 | 144.8 | 213.9 |
| #1 | -.2083 | 43.49 | -1.513 | -.0164 | -3.586 |
| #2 | .0897 | -6.153 | -.1760 | 1.406 | .7311 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1773 | 172.1 | -.3961 | -.0038 | .0196 |
| Stddev | .2341 | 34.5 | .3442 | .3654 | .0215 |
| %RSD | 132.0 | 20.06 | 86.90 | 9619. | 110.0 |
| #1 | -.3428 | 196.5 | -.6395 | .2546 | .0043 |
| #2 | -.0118 | 147.7 | -.1527 | -.2622 | .0348 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 11:58:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1429 | 24.65 | -206.2 | 20.72 | 1.356 |
| Stddev | 1.368 | 6.52 | 30.7 | .38 | .023 |
| %RSD | 957.5 | 26.45 | 14.89 | 1.813 | 1.712 |
| #1 | .8245 | 20.04 | -227.9 | 20.99 | 1.372 |
| #2 | -1.110 | 29.26 | -184.5 | 20.46 | 1.339 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7034 | -37.20 | 1.576 | 2.312 | .2025 |
| Stddev | .3357 | 31.93 | .567 | 2.721 | .6212 |
| %RSD | 47.72 | 85.83 | 36.01 | 117.7 | 306.8 |
| #1 | .9408 | -14.62 | 1.174 | .3881 | .6417 |
| #2 | .4661 | -59.78 | 1.977 | 4.236 | -.2368 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 11:58:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.978 | 5.270 | 1.703 | .4162 | .1803 |
| Stddev | .669 | 2.095 | .074 | .3858 | .0308 |
| %RSD | 33.80 | 39.76 | 4.378 | 92.69 | 17.11 |
| #1 | -2.451 | 6.751 | 1.755 | .1434 | .2021 |
| #2 | -1.505 | 3.788 | 1.650 | .6890 | .1585 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .6036 | -1.833 | .5294 | .0655 |
| Stddev | .7592 | .545 | .0238 | .0446 |
| %RSD | 125.8 | 29.73 | 4.491 | 68.13 |
| #1 | .0668 | -1.448 | .5463 | .0970 |
| #2 | 1.140 | -2.219 | .5126 | .0339 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 11:58:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 385.83 | 3502.4 | 3729.1 | 4123.0 |
| Stddev | .83 | 2.3 | 23.2 | 23.2 |
| %RSD | .21429 | .06480 | .62102 | .56167 |
| #1 | 385.24 | 3504.0 | 3745.4 | 4139.4 |
| #2 | 386.41 | 3500.8 | 3712.7 | 4106.6 |

Check ?
 High Limit
 Low Limit

Sample Name: 828891 Acquired: 5/28/2010 12:02:07 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.223 | 96220. | 58.17 | 37.08 | 1159. |
| Stddev | .354 | 28. | 1.21 | .40 | 7. |
| %RSD | 15.91 | .0286 | 2.079 | 1.069 | .5690 |
| #1 | -2.473 | 96240. | 57.32 | 36.80 | 1163. |
| #2 | -1.973 | 96200. | 59.03 | 37.37 | 1154. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.130 | 316800. | 3.833 | 52.76 | 149.9 |
| Stddev | .137 | 335. | .328 | .36 | .2 |
| %RSD | 1.687 | .1056 | 8.558 | .6856 | .1001 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 8.033 | 317000. | 3.601 | 53.01 | 150.0 |
| #2 | 8.227 | 316600. | 4.064 | 52.50 | 149.8 |

Check ? Value Range
 None None None None None

Sample Name: 828891 Acquired: 5/28/2010 12:02:07 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 328.8 | 142600. | 20470. | 58090. | 3777. |
| Stddev | .3 | 28. | 207. | 389. | 2. |
| %RSD | .0875 | .0197 | 1.010 | .6695 | .0639 |
| #1 | 328.6 | 142600. | 20620. | 58360. | 3779. |
| #2 | 329.0 | 142600. | 20330. | 57810. | 3776. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 248.8 | 791.3 | 128.9 | 5460. | 277.6 |
| Stddev | .5 | 29.0 | 1.4 | 4. | 2.9 |
| %RSD | .2118 | 3.666 | 1.081 | .0714 | 1.041 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 248.5 | 770.8 | 129.9 | 5463. | 275.6 |
| #2 | 249.2 | 811.9 | 127.9 | 5457. | 279.7 |

Check ? Value Range
 None None None None None

Sample Name: 828891 Acquired: 5/28/2010 12:02:07 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.064 | -4.444 | 2946. | 2.861 | 919.6 |
| Stddev | .346 | 1.966 | 6. | 2.254 | 3.0 |
| %RSD | 4.296 | 442.5 | .2171 | 78.78 | .3221 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -7.819 | -1.835 | 2941. | 1.267 | 917.5 |
| #2 | -8.309 | .9461 | 2951. | 4.455 | 921.7 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2207. | -7.306 | 328.0 | 708.4 |
| Stddev | 8. | 1.393 | .8 | .0 |
| %RSD | .3662 | 19.07 | .2469 | .0055 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2213. | -8.291 | 327.4 | 708.4 |
| #2 | 2202. | -6.320 | 328.6 | 708.4 |

Check ? Value Range
 None None None None

Sample Name: 828891 Acquired: 5/28/2010 12:02:07 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 353.73 | 3660.6 | 3876.5 | 4415.2 |
| Stddev | .92 | 2.0 | 10.5 | 11.7 |
| %RSD | .25895 | .05500 | .27067 | .26548 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 354.38 | 3662.1 | 3869.0 | 4423.5 |
| #2 | 353.08 | 3659.2 | 3883.9 | 4406.9 |

Sample Name: 828892 Acquired: 5/28/2010 12:06:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.281 | 88060. | 45.14 | 29.15 | 1052. |
| Stddev | .289 | 249. | 2.12 | 2.02 | 1. |
| %RSD | 12.68 | .2825 | 4.689 | 6.918 | .1378 |
| #1 | -2.077 | 88230. | 43.64 | 27.73 | 1053. |
| #2 | -2.486 | 87880. | 46.63 | 30.58 | 1051. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.541 | 264400. | 3.813 | 40.70 | 145.3 |
| Stddev | .127 | 1315. | .074 | .14 | .2 |
| %RSD | 1.687 | .4973 | 1.953 | .3514 | .1222 |
| #1 | 7.631 | 265300. | 3.865 | 40.80 | 145.1 |
| #2 | 7.451 | 263400. | 3.760 | 40.60 | 145.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828892 Acquired: 5/28/2010 12:06:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 314.5 | 119500. | 16130. | 51240. | 3679. |
| Stddev | .9 | 193. | 130. | 74. | 6. |
| %RSD | .2995 | .1614 | .8036 | .1452 | .1501 |
| #1 | 313.8 | 119300. | 16220. | 51290. | 3683. |
| #2 | 315.2 | 119600. | 16040. | 51190. | 3675. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 387.9 | 784.3 | 98.20 | 4489. | 525.8 |
| Stddev | 2.6 | 19.8 | .34 | 6. | .1 |
| %RSD | .6591 | 2.527 | .3424 | .1381 | .0128 |
| #1 | 386.1 | 798.3 | 98.44 | 4484. | 525.8 |
| #2 | 389.7 | 770.3 | 97.96 | 4493. | 525.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828892 Acquired: 5/28/2010 12:06:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.361 | 1.379 | 3192. | 2.909 | 793.2 |
| Stddev | 1.895 | .589 | 1. | .642 | 2.5 |
| %RSD | 22.66 | 42.71 | .0353 | 22.06 | .3110 |
| #1 | -9.701 | .9626 | 3191. | 3.363 | 795.0 |
| #2 | -7.022 | 1.795 | 3192. | 2.456 | 791.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 2243. | -7.143 | 280.6 | 611.5 | |
| Stddev | 1. | .171 | 2.8 | .3 | |
| %RSD | .0319 | 2.396 | .9856 | .0432 | |
| #1 | 2242. | -7.022 | 278.6 | 611.7 | |
| #2 | 2243. | -7.264 | 282.5 | 611.3 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828892 Acquired: 5/28/2010 12:06:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 355.63 | 3691.1 | 3909.8 | 4443.3 |
| Stddev | 1.70 | 12.7 | 21.4 | 6.3 |
| %RSD | .47823 | .34400 | .54841 | .14162 |
| #1 | 356.83 | 3700.1 | 3924.9 | 4438.8 |
| #2 | 354.42 | 3682.1 | 3894.6 | 4447.7 |

Sample Name: 828893 Acquired: 5/28/2010 12:10:10 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.551 | 112100. | 56.80 | 42.88 | 2614. |
| Stddev | .469 | 267. | .84 | .46 | 10. |
| %RSD | 18.36 | .2383 | 1.473 | 1.069 | .3843 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -2.882 | 111900. | 57.39 | 42.55 | 2607. |
| #2 | -2.220 | 112300. | 56.21 | 43.20 | 2621. |

Check ? Value Range

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.440 | 557600. | 2.151 | 46.10 | 120.4 |
| Stddev | .160 | 536. | .236 | .57 | 1.3 |
| %RSD | 2.152 | .0961 | 10.95 | 1.233 | 1.117 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 7.327 | 558000. | 1.984 | 45.69 | 121.4 |
| #2 | 7.554 | 557200. | 2.318 | 46.50 | 119.5 |

Check ? Value Range

Sample Name: 828893 Acquired: 5/28/2010 12:10:10 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 173.3 | 118000. | 18490. | 60530. | 3047. |
| Stddev | .3 | 135. | 71. | 248. | 5. |
| %RSD | .1897 | .1147 | .3864 | .4098 | .1785 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 173.5 | 117900. | 18550. | 60360. | 3043. |
| #2 | 173.0 | 118100. | 18440. | 60710. | 3051. |

Check ? Value Range

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 262.9 | 1002. | 98.97 | 4241. | 171.4 |
| Stddev | 2.4 | 24. | 1.17 | 50. | .6 |
| %RSD | .9007 | 2.385 | 1.186 | 1.189 | .3665 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 264.6 | 1019. | 99.80 | 4276. | 171.9 |
| #2 | 261.3 | 985.3 | 98.14 | 4205. | 171.0 |

Check ? Value Range

Sample Name: 828893 Acquired: 5/28/2010 12:10:10 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|---------------|----------------|---------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.020 | -6.284 | 3917. | .6930 | 1474. |
| Stddev | 2.215 | 1.325 | 8. | .2337 | 2. |
| %RSD | 24.56 | 210.8 | .1956 | 33.72 | .1156 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -7.454 | .3083 | 3912. | .8583 | 1476. |
| #2 | -10.59 | -1.565 | 3923. | .5278 | 1473. |

Check ? Value Range

| | | | | |
|--------|----------------|---------------|----------------|---------------|
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2421. | -7.528 | 304.6 | 441.6 |
| Stddev | 4. | 4.104 | .9 | 4.3 |
| %RSD | .1742 | 54.51 | .2930 | .9770 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2418. | -4.626 | 303.9 | 444.6 |
| #2 | 2424. | -10.43 | 305.2 | 438.5 |

Check ? Value Range

Sample Name: 828893 Acquired: 5/28/2010 12:10:10 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 344.48 | 3624.0 | 3822.4 | 4404.3 |
| Stddev | 1.04 | 39.8 | 6.6 | 2 |
| %RSD | .30130 | 1.0985 | .17255 | .00433 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 343.74 | 3652.2 | 3817.8 | 4404.2 |
| #2 | 345.21 | 3595.9 | 3827.1 | 4404.5 |

Sample Name: 828894 Acquired: 5/28/2010 12:14:06 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.211 | 46150. | 16.84 | -4.452 | 240.5 |
| Stddev | .188 | 37. | 1.29 | .894 | 1.1 |
| %RSD | 5.860 | .0804 | 7.650 | 20.08 | .4511 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -3.078 | 46180. | 15.93 | -5.084 | 239.8 |
| #2 | -3.344 | 46130. | 17.75 | -3.820 | 241.3 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.303 | 84230. | 4.832 | 30.75 | 214.8 |
| Stddev | .157 | 202. | .039 | .01 | .1 |
| %RSD | 1.892 | .2392 | .8028 | .0216 | .0479 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 8.192 | 84380. | 4.805 | 30.75 | 214.9 |
| #2 | 8.414 | 84090. | 4.860 | 30.74 | 214.8 |

Check ? Value Range

Sample Name: 828894 Acquired: 5/28/2010 12:14:06 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 291.4 | 95300. | 20950. | 44030. | 3942. |
| Stddev | .1 | 270. | 17. | 149. | 3 |
| %RSD | .0393 | .2829 | .0831 | .3393 | .0693 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 291.5 | 95110. | 20960. | 44140. | 3944. |
| #2 | 291.3 | 95490. | 20930. | 43930. | 3940. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1156. | 498.4 | 115.2 | 3682. | 163.1 |
| Stddev | 2. | 31.7 | 5 | 7. | 1.7 |
| %RSD | .1500 | 6.357 | .4746 | .1816 | 1.019 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1154. | 476.0 | 114.8 | 3677. | 164.3 |
| #2 | 1157. | 520.8 | 115.5 | 3687. | 161.9 |

Check ? Value Range

Sample Name: 828894 Acquired: 5/28/2010 12:14:06 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.645 | 2.466 | 3434. | -2.746 | 158.5 |
| Stddev | 1.319 | .555 | 18. | 1.166 | 1.3 |
| %RSD | 17.25 | 22.51 | .5137 | 42.47 | .8295 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -6.713 | 2.859 | 3422. | -1.921 | 159.4 |
| #2 | -8.577 | 2.074 | 3447. | -3.571 | 157.6 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3714. | -9.014 | 188.8 | 661.2 |
| Stddev | 2. | .099 | .4 | .4 |
| %RSD | .0558 | 1.094 | .2276 | .0625 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3713. | -8.944 | 188.5 | 660.9 |
| #2 | 3716. | -9.083 | 189.1 | 661.5 |

Check ? Value Range

Sample Name: 828894 Acquired: 5/28/2010 12:14:06 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 366.32 | 3600.6 | 3843.0 | 4286.9 |
| Stddev | 2.77 | 35.7 | 6.4 | 18.9 |
| %RSD | .75718 | .99205 | .16601 | .44171 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 368.28 | 3625.8 | 3847.5 | 4300.3 |
| #2 | 364.36 | 3575.3 | 3838.5 | 4273.6 |

Sample Name: 828895 Acquired: 5/28/2010 12:18:03 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.618 | 76750. | 37.53 | 23.07 | 1322. |
| Stddev | 1.153 | 481. | .36 | .81 | 2. |
| %RSD | 44.03 | .6269 | .9662 | 3.524 | .1756 |
| #1 | -3.433 | 76410. | 37.27 | 23.64 | 1324. |
| #2 | -1.803 | 77100. | 37.78 | 22.49 | 1321. |

Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (108) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.983 | 279400. | 3.370 | 34.53 | 137.0 |
| Stddev | .517 | 1430. | .510 | .65 | .7 |
| %RSD | 7.404 | .5119 | 15.12 | 1.892 | .5026 |

#1 7.349 278400. 3.010 34.07 136.5
 #2 6.617 280400. 3.730 34.99 137.5

Check ? None None None None None
 Value
 Range

Sample Name: 828895 Acquired: 5/28/2010 12:18:03 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 298.7 | 92180. | 16940. | 44860. | 3323. |
| Stddev | .3 | 91. | 44. | 136. | 61. |
| %RSD | .0976 | .0983 | .2608 | .3033 | 1.828 |
| #1 | 298.9 | 92240. | 16900. | 44770. | 3366. |
| #2 | 298.5 | 92110. | 16970. | 44960. | 3280. |

Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 703.0 | 637.3 | 87.65 | 3402. | 244.9 |
| Stddev | 1.7 | 23.0 | .43 | 17. | 1.7 |
| %RSD | .2475 | 3.610 | .4918 | .5000 | .6824 |

#1 701.8 653.5 87.34 3390. 243.8
 #2 704.3 621.0 87.95 3414. 246.1

Check ? None None None None None
 Value
 Range

Sample Name: 828895 Acquired: 5/28/2010 12:18:03 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.463 | 1.862 | 2975. | -1.971 | 690.5 |
| Stddev | 1.350 | 1.324 | 13. | 1.006 | 2.7 |
| %RSD | 20.89 | 71.10 | .4209 | 51.07 | .3936 |

#1 -7.418 2.798 2984. -2.682 692.4
 #2 -5.508 .9256 2966. -1.259 688.6

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2385. | -7.771 | 225.5 | 533.3 |
| Stddev | 2. | 2.985 | .9 | 3.3 |
| %RSD | .0735 | 38.42 | .4098 | .6260 |

#1 2386. -9.882 226.2 531.0
 #2 2383. -5.660 224.9 535.7

Check ? None None None None
 Value
 Range

Sample Name: 828895 Acquired: 5/28/2010 12:18:03 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 354.19 | 3582.2 | 3792.8 | 4319.3 |
| Stddev | 1.13 | 7.6 | 9.7 | 63.2 |
| %RSD | .32037 | .21155 | .25528 | 1.4632 |

#1 354.99 3587.5 3799.6 4364.0
 #2 353.39 3576.8 3785.9 4274.6

Sample Name: 828896 Acquired: 5/28/2010 12:22:05 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.648 | 101200. | 54.48 | 35.87 | 2348. |
| Stddev | .283 | 625. | 2.69 | 1.19 | 22. |
| %RSD | 10.68 | .6172 | 4.937 | 3.306 | .9342 |
| #1 | -2.848 | 101600. | 56.38 | 35.03 | 2364. |
| #2 | -2.448 | 100700. | 52.58 | 36.71 | 2333. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.940 | 410400. | 1.866 | 49.58 | 123.9 |
| Stddev | .105 | 2840. | .061 | .01 | .0 |
| %RSD | 1.514 | .6919 | 3.248 | .0109 | .0131 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 7.014 | 412400. | 1.823 | 49.58 | 123.9 |
| #2 | 6.866 | 408400. | 1.909 | 49.59 | 123.9 |

Check ? Value Range
 None None None None None

Sample Name: 828896 Acquired: 5/28/2010 12:22:05 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 147.6 | 124300. | 15970. | 55520. | 2778. |
| Stddev | 1.1 | 499. | 163. | 422. | 8. |
| %RSD | .7143 | .4018 | 1.020 | .7603 | .3012 |
| #1 | 148.3 | 123900. | 16090. | 55820. | 2773. |
| #2 | 146.8 | 124600. | 15860. | 55220. | 2784. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 154.5 | 868.6 | 100.2 | 4311. | 139.3 |
| Stddev | .1 | 10.4 | .6 | 12. | .5 |
| %RSD | .0565 | 1.193 | .5717 | .2727 | .3810 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 154.4 | 875.9 | 99.79 | 4319. | 139.6 |
| #2 | 154.5 | 861.3 | 100.6 | 4303. | 138.9 |

Check ? Value Range
 None None None None None

Sample Name: 828896 Acquired: 5/28/2010 12:22:05 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.237 | 3.245 | 2822. | .2914 | 1205. |
| Stddev | 3.571 | .680 | 17. | .8002 | 5. |
| %RSD | 43.35 | 20.96 | .6042 | 274.6 | .4244 |
| #1 | -10.76 | 2.764 | 2809. | -.2744 | 1209. |
| #2 | -5.712 | 3.726 | 2834. | .8573 | 1202. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2189. | -3.188 | 308.4 | 426.6 |
| Stddev | 8. | 1.126 | 1.5 | 1.4 |
| %RSD | .3614 | 35.32 | .4720 | .3201 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2183. | -3.984 | 307.3 | 427.5 |
| #2 | 2194. | -2.392 | 309.4 | 425.6 |

Check ? Value Range
 None None None None

Sample Name: 828896 Acquired: 5/28/2010 12:22:05 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 341.69 | 3528.0 | 3718.4 | 4213.2 |
| Stddev | 1.02 | 9.5 | 5.4 | 1.7 |
| %RSD | .29751 | .26941 | .14559 | .03984 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 342.41 | 3534.7 | 3714.6 | 4214.4 |
| #2 | 340.97 | 3521.3 | 3722.3 | 4212.1 |

Sample Name: CCV Acquired: 5/28/2010 12:26:01 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.57 | 30890. | 105.8 | 718.4 | 192.1 |
| Stddev | 1.17 | 103. | .9 | .2 | 2.6 |
| %RSD | 1.202 | .3347 | .8761 | .0307 | 1.369 |
| #1 | 96.74 | 30810. | 105.1 | 718.3 | 194.0 |
| #2 | 98.40 | 30960. | 106.4 | 718.6 | 190.3 |

Check ? High Limit Low Limit
Check Pass Check Pass Check Pass Check Pass Check Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.2 | 30570. | 99.02 | 192.8 | 197.5 |
| Stddev | .8 | 71. | .44 | .4 | .1 |
| %RSD | .8337 | .2321 | .4469 | .2183 | .0702 |
| #1 | 100.6 | 30520. | 99.33 | 193.1 | 197.4 |
| #2 | 101.8 | 30620. | 98.71 | 192.5 | 197.6 |

Check ? High Limit Low Limit
Check Pass Check Pass Check Pass Check Pass Check Pass

Sample Name: CCV Acquired: 5/28/2010 12:26:01 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 191.9 | 30780. | 30430. | 30940. | 193.8 |
| Stddev | .1 | 137. | 131. | 11. | .5 |
| %RSD | .0779 | .4447 | .4301 | .0347 | .2493 |
| #1 | 191.8 | 30680. | 30340. | 30940. | 193.5 |
| #2 | 192.1 | 30880. | 30520. | 30930. | 194.1 |

Check ? High Limit Low Limit
Check Pass Check Pass Check Pass Check Pass Check Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.9 | 31090. | 191.5 | 209.5 | 402.8 |
| Stddev | .4 | 82. | .2 | .5 | 1.8 |
| %RSD | .2087 | .2628 | .1147 | .2484 | .4472 |
| #1 | 200.6 | 31040. | 191.3 | 209.2 | 404.0 |
| #2 | 201.2 | 31150. | 191.6 | 209.9 | 401.5 |

Check ? High Limit Low Limit
Check Pass Check Pass Check Pass Check Pass Check Pass

Sample Name: CCV Acquired: 5/28/2010 12:26:01 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 295.3 | 106.5 | 1026. | 200.3 | 315.9 |
| Stddev | 1.9 | 1.8 | 8. | 1.0 | 2.2 |
| %RSD | .6333 | 1.693 | .7638 | .5161 | .6998 |
| #1 | 294.0 | 107.8 | 1020. | 199.6 | 317.5 |
| #2 | 296.7 | 105.2 | 1031. | 201.0 | 314.4 |

Check ? High Limit Low Limit
Check Pass Check Pass Check Pass Check Pass Check Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 398.0 | 100.6 | 199.7 | 201.7 |
| Stddev | .0 | 2.7 | 1.6 | .1 |
| %RSD | .0113 | 2.731 | .8090 | .0643 |
| #1 | 398.1 | 98.68 | 198.6 | 201.6 |
| #2 | 398.0 | 102.6 | 200.9 | 201.8 |

Check ? High Limit Low Limit
Check Pass Check Pass Check Pass Check Pass

Sample Name: CCV Acquired: 5/28/2010 12:26:01 Type: QC
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 360.28 | 3342.3 | 3571.3 | 3918.7 |
| Stddev | 2.56 | 26.9 | 3.2 | 1.8 |
| %RSD | .71111 | .80404 | .08875 | .04718 |
| #1 | 358.47 | 3361.3 | 3569.1 | 3920.0 |
| #2 | 362.09 | 3323.3 | 3573.6 | 3917.4 |

Sample Name: CCB Acquired: 5/28/2010 12:29:51 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.257 | -33.08 | 1.345 | 1.039 | -6.217 |
| Stddev | .385 | 53.50 | 1.216 | .436 | 5.696 |
| %RSD | 30.62 | 161.7 | 90.44 | 41.96 | 91.62 |
| #1 | -1.529 | -70.91 | .4847 | .7308 | -2.189 |
| #2 | -.9847 | 4.748 | 2.205 | 1.348 | -10.24 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0233 | 137.4 | .1089 | -.0483 | -.0343 |
| Stddev | .2404 | 102.7 | .2760 | .4411 | .0248 |
| %RSD | 1032. | 74.75 | 253.3 | 913.6 | 72.14 |

| | | | | | |
|----|--------|-------|--------|--------|--------|
| #1 | -.1467 | 210.0 | -.0862 | .2636 | -.0168 |
| #2 | -.1933 | 64.76 | .3041 | -.3602 | -.0518 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/28/2010 12:29:51 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.587 | 27.69 | -327.9 | -22.23 | 1.218 |
| Stddev | .2992 | 19.72 | 175.7 | 5.47 | .061 |
| %RSD | 65.22 | 71.21 | 53.58 | 24.60 | 5.001 |
| #1 | -.2472 | 41.64 | -203.7 | -18.37 | 1.261 |
| #2 | -.6703 | 13.75 | -452.2 | -26.10 | 1.175 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8542 | -61.40 | .9696 | 2.129 | -1.197 |
| Stddev | .1698 | 10.30 | .4197 | .303 | 1.614 |
| %RSD | 19.87 | 16.77 | 43.29 | 14.24 | 134.9 |

| | | | | | |
|----|-------|--------|-------|-------|--------|
| #1 | .9742 | -68.68 | .6728 | 1.915 | -.0552 |
| #2 | .7341 | -54.12 | 1.266 | 2.343 | -2.338 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/28/2010 12:29:51 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.129 | 7.470 | -3.507 | -.9849 | .2527 |
| Stddev | .423 | .905 | .297 | 1.162 | .0518 |
| %RSD | 13.53 | 12.12 | 8.470 | 118.0 | 20.48 |
| #1 | -2.829 | 6.830 | -3.717 | -1.806 | .2893 |
| #2 | -3.428 | 8.110 | -3.297 | -.1634 | .2161 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .8750 | 1.437 | -.6657 | .0479 |
| Stddev | .1748 | .860 | .1888 | .0893 |
| %RSD | 19.98 | 59.84 | 28.36 | 186.3 |

| | | | | |
|----|-------|-------|--------|--------|
| #1 | .7514 | 2.044 | -.5322 | .1111 |
| #2 | .9986 | .8287 | -.7992 | -.0152 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/28/2010 12:29:51 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 376.85 | 3410.4 | 3628.3 | 3922.0 |
| Stddev | .96 | 1.8 | 18.6 | 18.6 |
| %RSD | .25573 | .05362 | .51369 | .47381 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 376.17 | 3409.1 | 3615.1 | 3935.2 |
| #2 | 377.53 | 3411.7 | 3641.5 | 3908.9 |

TestAmerica Burlington

Runlog Review Report

TJA ICAP 7
ICP METALS 6010f

Analyzed by: TFS

Date: 5/28/2010

Reviewed by: *[Signature]*

Date: 5/28/10

QC Review by: *[Signature]*

Date: 05/28/10

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis | | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----------------|-----------|----------|----|--------|---------------|------------|------------------|
| | Date | Time | | | | | |
| 1. CalibStd-Blk | 5/28/2010 | 12:57:54 | 1 | WATER | 052810-02.txt | ✓ | + MD |
| 2. STD7 | 5/28/2010 | 13:01:45 | 1 | WATER | 052810-02.txt | | |
| 3. STD8 | 5/28/2010 | 13:05:36 | 1 | WATER | 052810-02.txt | | |
| 4. STD4 | 5/28/2010 | 13:09:32 | 1 | WATER | 052810-02.txt | | |
| 5. ICV1 | 5/28/2010 | 13:13:32 | 1 | WATER | 052810-02.txt | | |
| 6. ICB1 | 5/28/2010 | 13:17:26 | 1 | WATER | 052810-02.txt | | |
| 7. ICSA1 | 5/28/2010 | 13:21:20 | 1 | WATER | 052810-02.txt | | |
| 8. ICSAB1 | 5/28/2010 | 13:25:08 | 1 | WATER | 052810-02.txt | | |
| 9. CRI1 | 5/28/2010 | 13:28:56 | 1 | WATER | 052810-02.txt | | |
| 10. CCV1 | 5/28/2010 | 13:32:46 | 1 | WATER | 052810-02.txt | | |
| 11. CCB1 | 5/28/2010 | 13:36:35 | 1 | WATER | 052810-02.txt | | |
| 12. 828886 | 5/28/2010 | 13:40:28 | 1 | SOIL | 052810-02.txt | PBICPS0527 | |
| 13. 828886L | 5/28/2010 | 13:44:23 | 5 | WATER | 052810-02.txt | PBICPS0527 | |
| 14. 828886A | 5/28/2010 | 13:48:15 | 1 | WATER | 052810-02.txt | PBICPS0527 | |
| 15. 828886MS | 5/28/2010 | 13:52:16 | 1 | SOIL | 052810-02.txt | PBICPS0527 | |
| 16. 828886DP | 5/28/2010 | 13:56:17 | 1 | SOIL | 052810-02.txt | PBICPS0527 | |
| 17. CCV2 | 5/28/2010 | 14:00:14 | 1 | WATER | 052810-02.txt | | |
| 18. CCB2 | 5/28/2010 | 14:04:04 | 1 | WATER | 052810-02.txt | | |

✓ BAA052810

TestAmerica Burlington

Mo-LL

Analytical Review Report

Data File: 052810-02.txt

Date Printed: 5/28/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/28/2010

Analysis End Date: 5/28/2010

Start Time: 12:57:5

End Time: 14:04:0

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|-------|----------|-------|-------|-----|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 50.05 | 0.0004 | | | | |
| STD4 | 1 | | 0.804 | 0.000 | 0.000 | 0.25 | 0.80 | | | | |
| ICV1 | 1 | PASS | 517.000 | 516.400 | 517.500 | 0.15 | 517.00 | 103.4 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 1.341 * | 1.255 | 1.428 | 9.09 | 1.3 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | -0.468 | -0.481 | -0.456 | 3.89 | -0.47 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 998.400 | 993.700 | 1003.000 | 0.66 | 998 | 101.2 | 986 | 80 | 120 |
| CRI1 | 1 | PASS | 12.750 | 12.840 | 12.650 | 1.03 | 12.75 | 127.5 | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 199.700 | 199.100 | 200.400 | 0.47 | 199.70 | 99.8 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.537 * | 0.531 | 0.543 | 1.59 | 0.5 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 203.300 | 203.700 | 203.000 | 0.24 | 203.30 | 101.6 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.911 * | 1.377 | 0.445 | 72.33 | 0.9 | | | | +/-10.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| 828886 | 1 | PASS | 846.300 | 843.200 | 849.300 | 0.51 | 77.2 | | | | |
| 828886L | 5 | FAIL | 912.200 | 915.800 | 908.500 | 0.57 | 4561.00 | | | | |
| 828886A | 1 | PASS | 1291.000 | 1289.000 | 1293.000 | 0.21 | 1291.00 | 88.9 | 500.0 | 80 | 120 |
| 828886MS | 1 | FAIL | 1069.000 | 1069.000 | 1070.000 | 0.10 | 100.9367 | 50.2 | 47.21 | 80 | 120 |
| 828886DP | 1 | PASS | 905.900 | 903.600 | 908.200 | 0.36 | 87.8074 | | | | |

* 0.47
* 50,000
* BAA 052810

Sample Name: CalibStd-Blk Acquired: 5/28/2010 12:57:54 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0049 | -0.0013 | .0007 | .0009 | -0.0002 |
| Stddev | .0028 | .0002 | .0003 | .0003 | .0002 |
| %RSD | 56.40 | 13.41 | 37.22 | 27.90 | 108.7 |
| #1 | -0.0029 | -0.0014 | .0009 | .0011 | -0.0004 |
| #2 | -0.0068 | -0.0012 | .0005 | .0007 | -0.0001 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0021 | .0008 | -0.0044 | -0.0048 | -0.0003 |
| Stddev | .0006 | .0004 | .0007 | .0005 | .0001 |
| %RSD | 28.20 | 52.77 | 15.26 | 11.29 | 46.99 |
| #1 | -0.0026 | .0011 | -0.0049 | -0.0044 | -0.0002 |
| #2 | -0.0017 | .0005 | -0.0040 | -0.0052 | -0.0004 |

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0763 | -0.0097 | -0.0443 | -0.0006 | .0133 |
| Stddev | .0020 | .0016 | .0002 | .0010 | .0000 |
| %RSD | 2.640 | 16.78 | .3485 | 170.0 | .3157 |
| #1 | .0777 | -0.0109 | -0.0441 | .0001 | .0134 |
| #2 | .0749 | -0.0086 | -0.0444 | -0.0014 | .0133 |

Sample Name: CalibStd-Blk Acquired: 5/28/2010 12:57:54 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0004 | -0.0492 | .0047 | .0001 | -0.0129 |
| Stddev | .0002 | .0023 | .0002 | .0001 | .0133 |
| %RSD | 50.05 | 4.685 | 3.999 | 98.40 | 102.6 |
| #1 | .0002 | -0.0508 | .0049 | .0000 | -0.0036 |
| #2 | .0005 | -0.0476 | .0046 | .0001 | -0.0223 |

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0001 | .0022 | .0942 | .0004 | .0369 |
| Stddev | .0002 | .0001 | .0022 | .0001 | .0043 |
| %RSD | 215.0 | 2.611 | 2.297 | 32.66 | 11.55 |
| #1 | .0000 | .0021 | .0958 | .0005 | .0339 |
| #2 | -0.0002 | .0022 | .0927 | .0003 | .0400 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0123 | -0.0020 | -0.0095 | .0026 |
| Stddev | .0036 | .0001 | .0006 | .0006 |
| %RSD | 28.90 | 6.453 | 6.139 | 22.91 |
| #1 | -0.0148 | -0.0019 | -0.0099 | .0022 |
| #2 | -0.0098 | -0.0021 | -0.0091 | .0030 |

Analysis TFS

Sample Name: CalibStd-Blk Acquired: 5/28/2010 12:57:54 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 371.03 | 3329.4 | 3572.3 | 3833.8 |
| Stddev | 1.22 | 17.1 | 5.5 | 32.9 |
| %RSD | .32775 | .51463 | .15483 | .85745 |
| #1 | 370.17 | 3317.3 | 3568.4 | 3857.1 |
| #2 | 371.89 | 3341.5 | 3576.2 | 3810.6 |

Sample Name: STD7 Acquired: 5/28/2010 13:01:45 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|-----------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 { 85} | 318.128 {106} | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.876 | .8160 | 9.302 | 1.956 | .9442 |
| Stddev | .012 | .0035 | .019 | .017 | .0011 |
| %RSD | .4284 | .4246 | .2002 | .8700 | .1178 |
| #1 | 2.868 | .8136 | 9.289 | 1.944 | .9450 |
| #2 | 2.885 | .8185 | 9.315 | 1.969 | .9434 |
| Elem | Na-LL | | | | |
| Line | 589.592 { 57} | | | | |
| IS Ref | (Y_HWRD) | | | | |
| Units | Cts/S | | | | |
| Avg | 6.583 | | | | |
| Stddev | .029 | | | | |
| %RSD | .4354 | | | | |
| #1 | 6.562 | | | | |
| #2 | 6.603 | | | | |
| Int. Std. | Y_HWAX | Y_HWRD | | | |
| Line | 224.306 {150} | 371.030 { 91} | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 3289.6 | 3821.4 | | | |
| Stddev | 4.5 | 22.2 | | | |
| %RSD | .13562 | .58212 | | | |
| #1 | 3292.8 | 3805.7 | | | |
| #2 | 3286.5 | 3837.1 | | | |

Sample Name: STD8 Acquired: 5/28/2010 13:05:36 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|-----------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 (479) | 220.353 (453) | 206.833 (463) | 196.090 (472) | 189.989 (477)2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0625 | 3.252 | .0748 | .0460 | .1891 |
| Stddev | .0001 | .002 | .0001 | .0001 | .0002 |
| %RSD | .1843 | .0651 | .1070 | .1836 | .1313 |
| | | | | | |
| #1 | .0625 | 3.253 | .0747 | .0461 | .1889 |
| #2 | .0626 | 3.250 | .0748 | .0459 | .1893 |
| | | | | | |
| Elem | Ti-LL | | | | |
| Line | 190.856 (477) | | | | |
| IS Ref | (In2306) | | | | |
| Units | Cts/S | | | | |
| Avg | .9341 | | | | |
| Stddev | .0015 | | | | |
| %RSD | .1588 | | | | |
| | | | | | |
| #1 | .9351 | | | | |
| #2 | .9330 | | | | |
| | | | | | |
| Int. Std. | In2306 | Y_-LWAX | | | |
| Line | 230.606 (446) | 224.306 (450) | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 374.39 | 3630.4 | | | |
| Stddev | .92 | 2.7 | | | |
| %RSD | .24622 | .07344 | | | |
| | | | | | |
| #1 | 373.74 | 3628.5 | | | |
| #2 | 375.04 | 3632.3 | | | |

Sample Name: STD4 Acquired: 5/28/2010 13:09:32 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | B-LL | Be-LL | Be-LL | Cd-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 208.959 (461) | 233.527 (144) | 313.042 (108) | 228.802 (447) |
| IS Ref | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.186 | .3444 | .0896 | 2.494 | .9199 |
| Stddev | .007 | .0004 | .0006 | .005 | .0012 |
| %RSD | .3449 | .1090 | .6655 | .1854 | .1328 |
| #1 | 2.192 | .3441 | .0892 | 2.497 | .9208 |
| #2 | 2.181 | .3447 | .0900 | 2.491 | .9190 |

| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
|--------|---------------|---------------|----------------|----------------|---------------|
| Line | 228.616 (447) | 205.552 (464) | 324.754 (104)2 | 257.610 (131)2 | 202.030 (467) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .9965 | 1.533 | 6.614 | 24.25 | .8045 |
| Stddev | .0006 | .001 | .032 | .05 | .0020 |
| %RSD | .0631 | .0361 | .4798 | .1865 | .2514 |
| #1 | .9969 | 1.533 | 6.637 | 24.28 | .8031 |
| #2 | .9960 | 1.533 | 6.592 | 24.22 | .8059 |

| Elem | Ni-LL | P-HL | Si-LL | Sr-LL | Ti-LL |
|--------|---------------|---------------|---------------|--------------|----------------|
| Line | 231.604 (445) | 178.284 (489) | 288.158 (117) | 407.771 (83) | 334.904 (101)2 |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .6005 | .0630 | 4.505 | 73.93 | 5.063 |
| Stddev | .0006 | .0004 | .001 | .23 | .015 |
| %RSD | .1078 | .5877 | .0130 | .3164 | .2985 |
| #1 | .6001 | .0627 | 4.505 | 74.10 | 5.074 |
| #2 | .6010 | .0632 | 4.504 | 73.77 | 5.053 |

Sample Name: STD4 Acquired: 5/28/2010 13:09:32 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | V-LL | Zn-LL2 |
|--------|----------------|---------------|
| Line | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S |
| Avg | 3.309 | 3.508 |
| Stddev | .004 | .005 |
| %RSD | .1140 | .1444 |
| #1 | 3.311 | 3.504 |
| #2 | 3.306 | 3.511 |

| Int. Std. | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|--------------|
| Line | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 3409.8 | 3622.9 | 3933.2 |
| Stddev | 24.0 | 35.0 | 34.9 |
| %RSD | .70487 | .96649 | .88613 |
| #1 | 3426.8 | 3647.7 | 3957.9 |
| #2 | 3392.8 | 3598.2 | 3908.6 |

Sample Name: ICV Acquired: 5/28/2010 13:13:32 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 494.2 | 26310. | 261.5 | 503.8 | 483.1 |
| Stddev | .2 | 116. | 1.0 | .2 | 4.7 |
| %RSD | .0448 | .4419 | .3775 | .0441 | .9632 |
| #1 | 494.0 | 26390. | 262.2 | 504.0 | 486.4 |
| #2 | 494.4 | 26230. | 260.8 | 503.6 | 479.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 513.0 | 25350. | 487.5 | 483.2 | 491.1 |
| Stddev | 4.6 | 418. | 1.3 | 1.2 | 1.9 |
| %RSD | .9034 | 1.648 | .2640 | .2412 | .3815 |
| #1 | 516.3 | 25650. | 488.4 | 484.0 | 492.5 |
| #2 | 509.7 | 25060. | 486.6 | 482.4 | 489.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/28/2010 13:13:32 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 481.3 | 25950. | 25930. | 25030. | 480.5 |
| Stddev | .7 | 54. | 50. | 165. | .0 |
| %RSD | .1523 | .2088 | .1929 | .6610 | .0014 |
| #1 | 481.9 | 25990. | 25970. | 25140. | 480.5 |
| #2 | 480.8 | 25910. | 25900. | 24910. | 480.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 517.0 | 25310. | 473.5 | 517.9 | 997.2 |
| Stddev | .8 | 204. | .8 | 4.6 | 1.6 |
| %RSD | .1530 | .8044 | .1730 | .8824 | .1623 |
| #1 | 516.4 | 25450. | 473.0 | 521.1 | 996.1 |
| #2 | 517.5 | 25160. | 474.1 | 514.6 | 998.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/28/2010 13:13:32 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 257.9 | 255.0 | 271.4 | 243.9 | 498.4 |
| Stddev | 3.3 | 5.9 | 1.0 | 1.2 | 4.8 |
| %RSD | 1.265 | 2.316 | .3736 | .4781 | .9594 |
| #1 | 255.6 | 250.8 | 270.6 | 244.7 | 501.8 |
| #2 | 260.2 | 259.2 | 272.1 | 243.0 | 495.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 508.4 | 249.6 | 506.3 | 505.8 |
| Stddev | .7 | 2.4 | 2.1 | 1.4 |
| %RSD | .1343 | .9503 | .4080 | .2854 |
| #1 | 508.8 | 247.9 | 507.7 | 506.8 |
| #2 | 507.9 | 251.2 | 504.8 | 504.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/28/2010 13:13:32 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 357.64 | 3346.5 | 3563.3 | 3847.2 |
| Stddev | 1.87 | 13.7 | 23.9 | 14.9 |
| %RSD | .52314 | .40826 | .67153 | .38840 |
| #1 | 356.31 | 3356.1 | 3546.4 | 3836.7 |
| #2 | 358.96 | 3336.8 | 3580.3 | 3857.8 |

Sample Name: ICB Acquired: 5/28/2010 13:17:26 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | Ba-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6907 | -14.01 | .3632 | 1.905 | -2.734 |
| Stddev | .6839 | 15.04 | .6620 | .566 | 3.192 |
| %RSD | 99.02 | 107.4 | 182.2 | 29.69 | 116.8 |

#1 -1.174 -3.374 .8313 2.305 -4.992
 #2 -.2071 -24.65 -.1049 1.505 -4.770

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1747 | 15.18 | .0782 | .6574 | .0617 |
| Stddev | .1735 | 32.49 | .3368 | .3628 | .1159 |
| %RSD | 99.30 | 214.0 | 430.5 | 55.19 | 187.7 |

#1 .0520 38.15 -.1599 .4009 -.0202
 #2 .2974 -7.794 .3164 .9140 .1437

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICB Acquired: 5/28/2010 13:17:26 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1582 | -3.626 | -7.489 | 8.857 | -.2634 |
| Stddev | 1.408 | .871 | 4.608 | 18.30 | .0053 |
| %RSD | 890.5 | 24.02 | 61.53 | 206.6 | 2.022 |

#1 -.8377 -3.011 -4.231 21.80 -.2597
 #2 1.154 -4.242 -10.75 -4.083 -.2672

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.341 | 3.616 | -.3755 | -1.307 | 1.156 |
| Stddev | .122 | 35.83 | .8246 | 1.753 | .381 |
| %RSD | 9.087 | 990.9 | 219.6 | 134.2 | 32.94 |

#1 1.255 -21.72 -.9586 -2.546 1.425
 #2 1.428 28.95 .2076 -.0671 .8867

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICB Acquired: 5/28/2010 13:17:26 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1046 | -1.189 | -1.140 | -1.472 | .0215 |
| Stddev | 1.035 | 1.014 | 2.969 | .417 | .0268 |
| %RSD | 990.0 | 85.32 | 260.5 | 28.30 | 124.7 |

#1 .8367 -1.906 -3.239 -1.177 .0025
 #2 -.6275 -.4718 .9594 -1.766 .0404

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.4033 | 1.275 | .2701 | .2622 |
| Stddev | .0273 | .961 | .0327 | .1350 |
| %RSD | 6.765 | 75.41 | 12.10 | 51.50 |

#1 -.3840 .5950 .2933 .1667
 #2 -.4226 1.954 .2470 .3577

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICB Acquired: 5/28/2010 13:17:26 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 374.35 | 3368.6 | 3600.4 | 3864.4 |
| Stddev | 1.57 | 11.0 | 7.6 | 31.2 |
| %RSD | .41953 | .32557 | .21056 | .80858 |

#1 373.24 3360.9 3595.0 3842.3
 #2 375.46 3376.4 3605.7 3886.5

LLC 262.0 2358.0 2500.3 2705.1

ULL 486.7 4375.2 4680.5 5023.7

Sample Name: ICSA Acquired: 5/28/2010 13:21:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6511 | 508100. | 4.364 | .9641 | 4.304 |
| Stddev | 1.611 | 1360. | 1.713 | 2.808 | 8.821 |
| %RSD | 247.5 | .2677 | 39.25 | 291.2 | 204.9 |
| #1 | .4882 | 507200. | 3.153 | -1.021 | -1.933 |
| #2 | -1.790 | 509100. | 5.576 | 2.949 | 10.54 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1865 | 494300. | 1.193 | 3.026 | 7.911 |
| Stddev | .1740 | 1154. | .123 | .101 | .092 |
| %RSD | 93.32 | .2335 | 10.34 | 3.337 | 1.160 |
| #1 | .3095 | 493400. | 1.281 | 2.955 | 7.847 |
| #2 | .0634 | 495100. | 1.106 | 3.097 | 7.976 |

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/28/2010 13:21:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3814 | 195300. | -1.268 | 489700. | .8431 |
| Stddev | .4692 | 778. | 65.18 | 428. | .0055 |
| %RSD | 123.0 | .3982 | 51400. | .0875 | .6529 |
| #1 | -.7132 | 194800. | -46.22 | 489400. | .8392 |
| #2 | -.0497 | 195900. | 45.96 | 490000. | .8470 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4684 | 60.23 | -8.268 | -1.749 | 3.923 |
| Stddev | .0182 | 8.97 | .086 | 1.420 | .082 |
| %RSD | 3.892 | 14.88 | 1.036 | 81.19 | 2.096 |
| #1 | -.4813 | 66.57 | -8.329 | -2.754 | 3.865 |
| #2 | -.4555 | 53.90 | -8.208 | -.7450 | 3.981 |

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/28/2010 13:21:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.026 | -5.195 | 12.18 | -1.809 | 16.13 |
| Stddev | 1.026 | .886 | .98 | 1.164 | .09 |
| %RSD | 20.42 | 17.06 | 8.020 | 64.36 | .5320 |
| #1 | -5.752 | -4.568 | 11.48 | -.9857 | 16.07 |
| #2 | -4.300 | -5.821 | 12.87 | -2.632 | 16.19 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.077 | 3.653 | -5.098 | -6.103 |
| Stddev | .201 | 4.541 | .257 | .298 |
| %RSD | 3.308 | 124.3 | 5.038 | 4.892 |
| #1 | 6.219 | .4422 | -5.279 | -5.892 |
| #2 | 5.935 | 6.864 | -4.916 | -6.314 |

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/28/2010 13:21:20 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 319.11 | 3181.0 | 3383.7 | 3867.1 |
| Stddev | .60 | 16.7 | 14.2 | 2.0 |
| %RSD | .18677 | .52562 | .42006 | .05098 |
| #1 | 318.69 | 3169.1 | 3373.6 | 3868.5 |
| #2 | 319.53 | 3192.8 | 3393.7 | 3865.7 |

Sample Name: ICSAB Acquired: 5/28/2010 13:25:08 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 195.0 | 502100. | 92.56 | 1443. | 469.3 |
| Stddev | .9 | 823. | 2.59 | 3. | 12.6 |
| %RSD | .4459 | .1639 | 2.796 | .1744 | 2.674 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 195.7 | 501500. | 90.73 | 1445. | 460.4 |
| #2 | 194.4 | 502600. | 94.39 | 1441. | 478.2 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 497.7 | 488000. | 960.8 | 455.1 | 480.7 |
| Stddev | .4 | 627. | .2 | .1 | .0 |
| %RSD | .0782 | .1284 | .0201 | .0166 | .0006 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 497.9 | 487600. | 960.9 | 455.1 | 480.7 |
| #2 | 497.4 | 488500. | 960.7 | 455.2 | 480.7 |

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | |
| Range | | | | | |

Sample Name: ICSAB Acquired: 5/28/2010 13:25:08 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 499.3 | 194900. | 2.394 | 481300. | 472.7 |
| Stddev | .8 | 443. | 122.0 | 232. | .7 |
| %RSD | .1675 | .2273 | 5098. | .0482 | .1375 |

| | | | | | |
|----|-------|---------|--------|---------|-------|
| #1 | 498.7 | 195200. | -83.91 | 481100. | 473.1 |
| #2 | 499.9 | 194600. | 88.69 | 481400. | 472.2 |

| | | | | | |
|---------|----------|----------|------|------|----------|
| Check ? | Chk Pass | Chk Pass | None | None | Chk Pass |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 998.4 | 78.16 | 887.6 | 495.9 | 49.52 |
| Stddev | 6.6 | 25.01 | .4 | 6.3 | 3.67 |
| %RSD | .6625 | 32.00 | .0458 | 1.267 | 7.419 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 993.7 | 60.47 | 887.9 | 500.3 | 52.11 |
| #2 | 1003. | 95.84 | 887.3 | 491.4 | 46.92 |

| | | | | | |
|---------|----------|------|----------|----------|----------|
| Check ? | Chk Pass | None | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | |
| Range | | | | | |

Sample Name: ICSAB Acquired: 5/28/2010 13:25:08 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 576.9 | 42.04 | 1033. | 1400. | 252.5 |
| Stddev | 4.4 | 4.81 | 3. | 1. | 2.4 |
| %RSD | .7600 | 11.43 | .2518 | .0914 | .9578 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 580.0 | 38.64 | 1035. | 1401. | 254.2 |
| #2 | 573.8 | 45.44 | 1031. | 1399. | 250.8 |

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 504.3 | 95.48 | 504.2 | 968.2 |
| Stddev | 1.6 | 1.23 | 1.9 | 3.5 |
| %RSD | .3237 | 1.286 | .3745 | .3625 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 505.4 | 96.35 | 505.6 | 970.6 |
| #2 | 503.1 | 94.62 | 502.9 | 965.7 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | |
| Range | | | | |

Sample Name: ICSAB Acquired: 5/28/2010 13:25:08 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 318.10 | 3185.1 | 3404.1 | 3848.5 |
| Stddev | 4.48 | 9.2 | 17.3 | 47.5 |
| %RSD | 1.4070 | .28853 | .50782 | 1.2351 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 314.94 | 3178.6 | 3391.9 | 3814.9 |
| #2 | 321.27 | 3191.6 | 3416.3 | 3882.1 |

Sample Name: CRI Acquired: 5/28/2010 13:28:56 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|------------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.58 | F 446.4 | 10.26 | 102.9 | 192.7 |
| Stddev | .11 | 107.7 | 1.10 | .1 | 6.5 |
| %RSD | 1.009 | 24.13 | 10.76 | .0646 | 3.363 |
| #1 | 10.51 | 370.2 | 9.478 | 103.0 | 188.1 |
| #2 | 10.66 | 522.5 | 11.04 | 102.9 | 197.3 |
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 300.0 | | | |
| Low Limit | | 100.0 | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|------------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.284 | 5322. | 5.967 | 50.06 | 10.37 |
| Stddev | .207 | 96. | .787 | .06 | .13 |
| %RSD | 3.919 | 1.798 | 13.19 | .1270 | 1.267 |
| #1 | 5.138 | 5255. | 5.411 | 50.02 | 10.46 |
| #2 | 5.430 | 5390. | 6.524 | 50.11 | 10.28 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CRI Acquired: 5/28/2010 13:28:56 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|------------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.45 | F 336.4 | 5243. | 5435. | 15.06 |
| Stddev | .06 | 55.2 | 84. | 114. | .05 |
| %RSD | .2344 | 16.41 | 1.593 | 2.097 | .3307 |
| #1 | 23.49 | 297.3 | 5302. | 5354. | 15.09 |
| #2 | 23.41 | 375.4 | 5184. | 5515. | 15.02 |
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 300.0 | | | |
| Low Limit | | 100.0 | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|------------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.75 | 5171. | 39.30 | 254.9 | 10.75 |
| Stddev | .13 | 11. | 1.47 | .8 | 1.08 |
| %RSD | 1.033 | .2124 | 3.745 | .3049 | 10.02 |
| #1 | 12.84 | 5179. | 38.26 | 255.4 | 11.51 |
| #2 | 12.65 | 5163. | 40.34 | 254.3 | 9.985 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CRI Acquired: 5/28/2010 13:28:56 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|------------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 61.21 | 35.74 | 104.0 | 18.25 | 20.61 |
| Stddev | 1.07 | 2.72 | 2.2 | .12 | .36 |
| %RSD | 1.743 | 7.600 | 2.162 | .6630 | 1.736 |
| #1 | 61.97 | 33.82 | 105.6 | 18.17 | 20.86 |
| #2 | 60.46 | 37.67 | 102.4 | 18.34 | 20.35 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|------------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.67 | 25.90 | 50.48 | 21.75 |
| Stddev | .14 | 3.26 | .16 | .35 |
| %RSD | .6563 | 12.58 | .3232 | 1.617 |
| #1 | 20.77 | 28.20 | 50.60 | 21.50 |
| #2 | 20.58 | 23.59 | 50.37 | 22.00 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CRI Acquired: 5/28/2010 13:28:56 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_-LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 381.23 | 3475.8 | 3689.9 | 4008.6 |
| Stddev | .89 | 16.7 | 7.3 | 16.2 |
| %RSD | .23235 | .48103 | .19863 | .40430 |
| #1 | 380.60 | 3487.6 | 3695.1 | 3997.1 |
| #2 | 381.85 | 3464.0 | 3684.8 | 4020.1 |

Sample Name: CCV Acquired: 5/28/2010 13:32:46 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.51 | 30070. | 100.3 | 720.6 | 198.5 |
| Stddev | .17 | 134. | 3.1 | 1.0 | 4.1 |
| %RSD | .1750 | .4442 | 3.095 | .1455 | 2.050 |
| #1 | 98.39 | 30170. | 98.06 | 719.8 | 201.4 |
| #2 | 98.63 | 29980. | 102.5 | 721.3 | 195.6 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.7 | 29830. | 98.47 | 191.0 | 194.3 |
| Stddev | .6 | 132. | .06 | .5 | .2 |
| %RSD | .5912 | .4408 | .0622 | .2837 | .1163 |
| #1 | 101.1 | 29730. | 98.52 | 190.6 | 194.4 |
| #2 | 100.2 | 29920. | 98.43 | 191.4 | 194.1 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 13:32:46 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 191.7 | 30150. | 29910. | 30140. | 190.7 |
| Stddev | .1 | 11. | 191. | 184. | .1 |
| %RSD | .0666 | .0364 | .6390 | .6092 | .0285 |
| #1 | 191.8 | 30160. | 30050. | 30270. | 190.7 |
| #2 | 191.6 | 30140. | 29780. | 30010. | 190.6 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.7 | 30100. | 187.9 | 202.2 | 396.9 |
| Stddev | .9 | 161. | .8 | 2.7 | 1.8 |
| %RSD | .4657 | .5354 | .4238 | 1.355 | .4477 |
| #1 | 199.1 | 30220. | 188.5 | 204.1 | 398.2 |
| #2 | 200.4 | 29990. | 187.4 | 200.2 | 395.6 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 13:32:46 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 297.2 | 98.06 | 1014. | 195.4 | 294.9 |
| Stddev | 4.6 | 6.68 | 4. | 1.1 | .6 |
| %RSD | 1.542 | 6.815 | .4325 | .5680 | .1928 |
| #1 | 293.9 | 93.33 | 1017. | 194.6 | 295.3 |
| #2 | 300.4 | 102.8 | 1011. | 196.1 | 294.5 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 397.7 | 101.0 | 199.6 | 198.7 |
| Stddev | .2 | .9 | 1.1 | .4 |
| %RSD | .0520 | .8578 | .5553 | .2114 |
| #1 | 397.5 | 100.4 | 198.8 | 199.0 |
| #2 | 397.8 | 101.6 | 200.4 | 198.4 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/28/2010 13:32:46 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 358.59 | 3383.2 | 3608.1 | 3954.6 |
| Stddev | 1.54 | 1.5 | 6.2 | 4.0 |
| %RSD | .42926 | .04483 | .17089 | .10210 |
| #1 | 357.50 | 3382.2 | 3603.8 | 3951.8 |
| #2 | 359.68 | 3384.3 | 3612.5 | 3957.5 |

Sample Name: CCB Acquired: 5/28/2010 13:36:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9201 | 47.90 | -1.873 | 1.968 | 4.981 |
| Stddev | .9189 | 43.45 | .291 | 2.185 | 1.108 |
| %RSD | 99.87 | 90.70 | 15.56 | 111.0 | 22.25 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -1.570 | 78.63 | -2.079 | 3.513 | 5.765 |
| #2 | -2.704 | 17.18 | -1.667 | .4230 | 4.197 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1420 | -20.01 | .2254 | .3389 | .2153 |
| Stddev | .2482 | 5.94 | .0396 | .2831 | .0498 |
| %RSD | 174.7 | 29.69 | 17.56 | 83.53 | 23.11 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.0335 | -24.21 | .2533 | .1387 | .1801 |
| #2 | -.3175 | -15.81 | .1974 | .5391 | .2505 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/28/2010 13:36:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2042 | 27.16 | 59.57 | 97.03 | -.2810 |
| Stddev | .0056 | 2.90 | 61.22 | 25.40 | .0456 |
| %RSD | 2.736 | 10.67 | 102.8 | 26.18 | 16.23 |

| | | | | | |
|----|--------|-------|-------|-------|--------|
| #1 | -.2003 | 25.11 | 102.9 | 115.0 | -.2487 |
| #2 | -.2082 | 29.21 | 16.28 | 79.07 | -.3132 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5373 | 56.67 | .1860 | -2.695 | -1.042 |
| Stddev | .0085 | 36.32 | .4549 | 2.053 | 2.795 |
| %RSD | 1.591 | 64.09 | 244.6 | 76.20 | 268.3 |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | .5312 | 30.99 | .5077 | -1.243 | .9345 |
| #2 | .5433 | 82.35 | -.1357 | -4.147 | -3.018 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/28/2010 13:36:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7845 | 1.128 | .3093 | -.9455 | .0612 |
| Stddev | .1455 | .267 | 1.128 | .6463 | .0107 |
| %RSD | 18.54 | 23.66 | 364.8 | 68.36 | 17.44 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | .8874 | 1.316 | -.4885 | -.4884 | .0688 |
| #2 | .6817 | .9390 | 1.107 | -1.402 | .0537 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1250 | .3490 | -.1237 | .1506 |
| Stddev | .2925 | 2.927 | .0685 | .0906 |
| %RSD | 234.0 | 838.7 | 55.39 | 60.12 |

| | | | | |
|----|--------|--------|--------|-------|
| #1 | .3318 | -1.721 | -.0752 | .0866 |
| #2 | -.0818 | 2.419 | -.1721 | .2147 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/28/2010 13:36:35 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 383.04 | 3431.2 | 3670.6 | 3959.8 |
| Stddev | .93 | 29.8 | 18.3 | 28.1 |
| %RSD | .24229 | .86962 | .49880 | .70965 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 382.38 | 3452.3 | 3657.6 | 3939.9 |
| #2 | 383.69 | 3410.1 | 3683.5 | 3979.6 |

Sample Name: 828886 Acquired: 5/28/2010 13:40:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.566 | 47330. | 25.10 | -.3232 | 166.5 |
| Stddev | .181 | 141. | 1.03 | .1481 | 6.6 |
| %RSD | 7.048 | .2988 | 4.095 | 45.83 | 3.945 |
| #1 | -2.693 | 47230. | 24.37 | -.2184 | 171.2 |
| #2 | -2.438 | 47430. | 25.83 | -.4279 | 161.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.261 | 107000. | 8.864 | 17.85 | 72.55 |
| Stddev | .138 | 371. | .283 | .02 | .29 |
| %RSD | 1.670 | .3469 | 3.194 | .1146 | .3998 |
| #1 | 8.359 | 106700. | 9.064 | 17.84 | 72.35 |
| #2 | 8.163 | 107200. | 8.663 | 17.87 | 72.76 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886 Acquired: 5/28/2010 13:40:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 783.6 | 59390. | 11690. | 19730. | 5570. |
| Stddev | .3 | 1. | 87. | 29. | 18. |
| %RSD | .0350 | .0022 | .7423 | .1455 | .3267 |
| #1 | 783.8 | 59400. | 11630. | 19750. | 5557. |
| #2 | 783.5 | 59390. | 11750. | 19710. | 5583. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 846.3 | 1161. | 34.72 | 2488. | 1243. |
| Stddev | 4.3 | 1. | 1.24 | 4. | 1. |
| %RSD | .5109 | .0724 | 3.565 | .1619 | .1091 |
| #1 | 843.2 | 1162. | 33.85 | 2490. | 1242. |
| #2 | 849.3 | 1160. | 35.60 | 2485. | 1244. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886 Acquired: 5/28/2010 13:40:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3750 | -4.629 | 5780. | 4.034 | 240.2 |
| Stddev | 1.559 | 1.311 | 47. | 1.316 | .1 |
| %RSD | 415.6 | 28.32 | .8060 | 32.62 | .0225 |
| #1 | -1.477 | -3.702 | 5747. | 3.104 | 240.2 |
| #2 | .7271 | -5.556 | 5812. | 4.964 | 240.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 721.9 | -15.74 | 86.94 | 1293. | |
| Stddev | 2.5 | .30 | .29 | 2. | |
| %RSD | .3454 | 1.908 | .3393 | .1328 | |
| #1 | 720.1 | -15.95 | 87.15 | 1294. | |
| #2 | 723.6 | -15.53 | 86.73 | 1292. | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886 Acquired: 5/28/2010 13:40:28 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 363.48 | 3763.9 | 3990.0 | 4398.1 |
| Stddev | 2.04 | 4.8 | 19.2 | 1.6 |
| %RSD | .56131 | .12761 | .48016 | .03740 |
| #1 | 362.04 | 3767.3 | 3976.4 | 4396.9 |
| #2 | 364.92 | 3760.5 | 4003.5 | 4399.3 |

Sample Name: 828886L Acquired: 5/28/2010 13:44:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|--------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.738 | 52420. | 7.039 | -6.905 | 209.6 |
| Stddev | 3.581 | 289. | 3.563 | .342 | 23.7 |
| %RSD | 75.59 | .5505 | 50.63 | 4.948 | 11.32 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -7.271 | 52630. | 4.519 | -6.663 | 192.8 |
| #2 | -2.206 | 52220. | 9.558 | -7.146 | 226.4 |

Check ? Value Range
 None None None None None

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.621 | 116500. | 10.71 | 21.62 | 77.54 |
| Stddev | 1.652 | 1071. | .24 | .11 | 1.58 |
| %RSD | 17.17 | .9187 | 2.237 | .4931 | 2.036 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 8.453 | 117300. | 10.54 | 21.70 | 78.66 |
| #2 | 10.79 | 115800. | 10.88 | 21.55 | 76.43 |

Check ? Value Range
 None None None None None

Sample Name: 828886L Acquired: 5/28/2010 13:44:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|--------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 813.9 | 65310. | 13570. | 21880. | 6200. |
| Stddev | 2.2 | 299. | 132. | 442. | 30. |
| %RSD | .2661 | .4579 | .9740 | 2.022 | .4853 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 812.4 | 65100. | 13670. | 21570. | 6179. |
| #2 | 815.4 | 65530. | 13480. | 22190. | 6221. |

Check ? Value Range
 None None None None None

| | | | | | |
|--------|---------------|--------------|---------------|---------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 912.2 | 1500. | 42.14 | 2700. | 1266. |
| Stddev | 5.2 | 35. | 4.79 | 1. | 13. |
| %RSD | .5651 | 2.340 | 11.38 | .0544 | 1.010 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 915.8 | 1525. | 38.75 | 2701. | 1257. |
| #2 | 908.5 | 1475. | 45.53 | 2699. | 1275. |

Check ? Value Range
 None None None None None

Sample Name: 828886L Acquired: 5/28/2010 13:44:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|---------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.211 | 2.154 | 8609. | 3.197 | 257.8 |
| Stddev | 11.99 | .213 | 19. | 2.542 | .3 |
| %RSD | 373.4 | 9.898 | .2155 | 79.52 | .1252 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -11.69 | 2.305 | 8596. | 4.994 | 258.0 |
| #2 | 5.267 | 2.004 | 8622. | 1.399 | 257.5 |

Check ? Value Range
 None None None None None

| | | | | |
|--------|----------------|---------------|----------------|---------------|
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 775.5 | -20.83 | 92.96 | 1428. |
| Stddev | 6.2 | 11.26 | 2.94 | 1. |
| %RSD | .7973 | 54.08 | 3.159 | .0738 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 771.2 | -12.86 | 90.88 | 1428. |
| #2 | 779.9 | -28.79 | 95.04 | 1429. |

Check ? Value Range
 None None None None

Sample Name: 828886L Acquired: 5/28/2010 13:44:23 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 379.75 | 3547.3 | 3780.7 | 4119.5 |
| Stddev | 1.69 | 11.8 | 3.8 | 2.4 |
| %RSD | .44596 | .33205 | .10059 | .05870 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 380.95 | 3555.7 | 3778.0 | 4117.8 |
| #2 | 378.55 | 3539.0 | 3783.4 | 4121.3 |

Sample Name: 828886A Acquired: 5/28/2010 13:48:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|---------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.186 | 49170. | 61.39 | 436.5 | 1947. |
| Stddev | .394 | 112. | 1.49 | 1.1 | 15. |
| %RSD | 18.00 | .2270 | 2.434 | .2418 | .7750 |
| #1 | -2.465 | 49250. | 62.45 | 435.8 | 1958. |
| #2 | -1.908 | 49090. | 60.34 | 437.3 | 1937. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|---------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 56.94 | 106500. | 54.71 | 426.8 | 257.9 |
| Stddev | .49 | 757. | .38 | .6 | .0 |
| %RSD | .8593 | .7105 | .7004 | .1506 | .0119 |
| #1 | 57.29 | 107000. | 54.44 | 426.4 | 257.8 |
| #2 | 56.60 | 106000. | 54.98 | 427.3 | 257.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886A Acquired: 5/28/2010 13:48:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|---------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1023. | 60300. | 11700. | 19630. | 5996. |
| Stddev | 5. | 133. | 149. | 127. | 89. |
| %RSD | .4499 | .2210 | 1.274 | .6483 | 1.483 |
| #1 | 1027. | 60400. | 11810. | 19720. | 6058. |
| #2 | 1020. | 60210. | 11600. | 19540. | 5933. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|---------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1291. | 1208. | 442.5 | 2930. | 1267. |
| Stddev | 3. | 41. | .4 | 4. | 10. |
| %RSD | .2119 | 3.394 | .0996 | .1459 | .7877 |
| #1 | 1289. | 1236. | 442.2 | 2933. | 1260. |
| #2 | 1293. | 1179. | 442.8 | 2927. | 1274. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886A Acquired: 5/28/2010 13:48:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|---------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 427.7 | 40.86 | 7961. | 419.6 | 644.2 |
| Stddev | 2.6 | 1.89 | 4. | .2 | 3.3 |
| %RSD | .6123 | 4.623 | .0461 | .0413 | .5118 |
| #1 | 425.9 | 42.20 | 7964. | 419.7 | 641.9 |
| #2 | 429.6 | 39.52 | 7959. | 419.5 | 646.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|---------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1154. | 38.10 | 533.9 | 1720. |
| Stddev | 4. | .97 | .6 | 2. |
| %RSD | .3718 | 2.546 | .1138 | .0883 |
| #1 | 1158. | 37.42 | 533.5 | 1719. |
| #2 | 1151. | 38.79 | 534.4 | 1721. |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828886A Acquired: 5/28/2010 13:48:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 362.60 | 3733.5 | 3996.4 | 4428.7 |
| Stddev | 2.52 | 19.7 | 9.2 | 7.1 |
| %RSD | .69363 | .52705 | .23040 | .16138 |
| #1 | 364.37 | 3719.6 | 3989.9 | 4423.6 |
| #2 | 360.82 | 3747.4 | 4002.9 | 4433.7 |

Sample Name: 828886MS Acquired: 5/28/2010 13:52:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 40.22 | 40810. | 55.16 | 395.7 | 1896. |
| Stddev | 1.53 | 36. | .07 | .1 | 1. |
| %RSD | 3.816 | .0889 | .1231 | .0259 | .0494 |
| #1 | 41.30 | 40840. | 55.11 | 395.8 | 1895. |
| #2 | 39.13 | 40790. | 55.21 | 395.6 | 1897. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.97 | 97190. | 51.61 | 399.1 | 242.2 |
| Stddev | .10 | 1. | .36 | .8 | .2 |
| %RSD | .1873 | .0010 | .6926 | .1900 | .0637 |
| #1 | 54.04 | 97190. | 51.36 | 399.6 | 242.1 |
| #2 | 53.90 | 97190. | 51.86 | 398.5 | 242.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886MS Acquired: 5/28/2010 13:52:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 820.3 | 51820. | 9958. | 17750. | 5226. |
| Stddev | .3 | 210. | 350. | 172. | 43. |
| %RSD | .0340 | .4042 | 3.518 | .9695 | .8297 |
| #1 | 820.1 | 51970. | 9710. | 17870. | 5257. |
| #2 | 820.5 | 51670. | 10210. | 17630. | 5195. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1069. | 1191. | 440.4 | 2757. | 871.7 |
| Stddev | 1. | 45. | 9 | 10. | 4.2 |
| %RSD | .1023 | 3.752 | .1965 | .3607 | .4849 |
| #1 | 1069. | 1222. | 439.8 | 2764. | 874.6 |
| #2 | 1070. | 1159. | 441.0 | 2750. | 868.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886MS Acquired: 5/28/2010 13:52:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 289.1 | 39.17 | 5965. | 435.5 | 617.3 |
| Stddev | 1.8 | 3.50 | 12. | .3 | 4.9 |
| %RSD | .6207 | 8.940 | .1997 | .0650 | .7920 |
| #1 | 290.3 | 36.69 | 5974. | 435.3 | 620.8 |
| #2 | 287.8 | 41.64 | 5957. | 435.7 | 613.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 1103. | 38.53 | 506.9 | 1410. | |
| Stddev | 2. | .92 | .1 | 3. | |
| %RSD | .2200 | 2.395 | .0135 | .2412 | |
| #1 | 1105. | 37.88 | 506.9 | 1413. | |
| #2 | 1102. | 39.19 | 506.8 | 1408. | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828886MS Acquired: 5/28/2010 13:52:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 367.60 | 3700.8 | 3967.1 | 4349.6 |
| Stddev | 1.51 | 6.4 | 3.7 | 13.2 |
| %RSD | .40991 | .17425 | .09426 | .30352 |
| #1 | 366.54 | 3705.4 | 3964.4 | 4340.2 |
| #2 | 368.67 | 3696.3 | 3969.7 | 4358.9 |

Sample Name: 828886DP Acquired: 5/28/2010 13:56:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.344 | 42980. | 20.61 | -1.541 | 145.5 |
| Stddev | .657 | 138. | .63 | .952 | 4.4 |
| %RSD | 28.05 | .3200 | 3.066 | 61.80 | 3.010 |

#1 -1.879 43080. 21.06 -.8676 142.4
 #2 -2.809 42880. 20.16 -2.214 148.6

Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.767 | 96490. | 9.318 | 15.85 | 76.55 |
| Stddev | .045 | 429. | .009 | .13 | .19 |
| %RSD | .5793 | .4441 | .1014 | .8052 | .2435 |

#1 7.735 96790. 9.325 15.94 76.42
 #2 7.798 96190. 9.311 15.76 76.69

Check ? None None None None None
 Value
 Range

Sample Name: 828886DP Acquired: 5/28/2010 13:56:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 880.8 | 55370. | 10410. | 18680. | 5273. |
| Stddev | 1.3 | 231. | 110. | 33. | 38. |
| %RSD | .1503 | .4173 | 1.052 | .1759 | .7164 |

#1 881.7 55540. 10490. 18660. 5246.
 #2 879.8 55210. 10330. 18710. 5300.

Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 905.9 | 901.8 | 34.19 | 2238. | 1395. |
| Stddev | 3.3 | 5.2 | .53 | 3. | 1. |
| %RSD | .3645 | .5812 | 1.538 | .1501 | .0737 |

#1 903.6 898.1 34.56 2236. 1394.
 #2 908.2 905.6 33.82 2241. 1396.

Check ? None None None None None
 Value
 Range

Sample Name: 828886DP Acquired: 5/28/2010 13:56:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.449 | -3.776 | 4476. | 4.167 | 220.4 |
| Stddev | 3.204 | 1.479 | 27. | .197 | .5 |
| %RSD | 130.9 | 39.18 | .6115 | 4.715 | .2213 |

#1 4.715 -4.822 4495. 4.028 220.8
 #2 .1830 -2.730 4457. 4.306 220.1

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 673.9 | -14.35 | 83.78 | 1446. |
| Stddev | 1.5 | .19 | .96 | 3. |
| %RSD | .2246 | 1.301 | 1.146 | .1794 |

#1 672.8 -14.48 84.45 1447.
 #2 675.0 -14.22 83.10 1444.

Check ? None None None None
 Value
 Range

Sample Name: 828886DP Acquired: 5/28/2010 13:56:17 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 367.57 | 3764.7 | 3990.7 | 4427.6 |
| Stddev | .67 | 1.1 | 9.4 | 25.2 |
| %RSD | .18291 | .02909 | .23587 | .56889 |

#1 367.09 3763.9 3984.1 4409.8
 #2 368.04 3765.4 3997.4 4445.4

Sample Name: CCV Acquired: 5/28/2010 14:00:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.18 | 30130. | 102.5 | 721.2 | 195.1 |
| Stddev | .17 | 107. | 1.0 | 1.3 | 1.3 |
| %RSD | .1692 | .3551 | .9780 | .1826 | .6415 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 99.06 | 30050. | 103.2 | 720.2 | 194.2 |
| #2 | 99.29 | 30200. | 101.8 | 722.1 | 196.0 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.1 | 29890. | 99.26 | 192.4 | 196.2 |
| Stddev | .2 | 193. | .36 | .8 | .2 |
| %RSD | .2397 | .6456 | .3583 | .4095 | .1114 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 101.3 | 29760. | 99.01 | 193.0 | 196.1 |
| #2 | 101.0 | 30030. | 99.51 | 191.9 | 196.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/28/2010 14:00:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 192.5 | 30290. | 30010. | 30160. | 194.0 |
| Stddev | 1.0 | 30. | 102. | 71. | .3 |
| %RSD | .5188 | .0996 | .3405 | .2340 | .1514 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 193.2 | 30310. | 29930. | 30210. | 194.2 |
| #2 | 191.8 | 30270. | 30080. | 30110. | 193.8 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | {In2306} |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 203.3 | 30180. | 189.0 | 204.9 | 398.2 |
| Stddev | .5 | 57. | .0 | .1 | .7 |
| %RSD | .2391 | .1902 | .0019 | .0511 | .1812 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 203.7 | 30140. | 189.0 | 204.8 | 397.7 |
| #2 | 203.0 | 30220. | 189.0 | 204.9 | 398.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/28/2010 14:00:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 300.5 | 103.9 | 1022. | 196.1 | 298.0 |
| Stddev | .7 | 4.3 | 7. | .4 | .4 |
| %RSD | .2451 | 4.180 | .6391 | .2085 | .1440 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 301.1 | 107.0 | 1026. | 195.8 | 297.7 |
| #2 | 300.0 | 100.9 | 1017. | 196.4 | 298.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | {In2306} | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 403.1 | 100.1 | 201.7 | 199.9 |
| Stddev | .5 | .3 | .9 | .7 |
| %RSD | .1339 | .2511 | .4402 | .3545 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 403.5 | 100.3 | 202.4 | 199.4 |
| #2 | 402.7 | 99.90 | 201.1 | 200.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/28/2010 14:00:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 366.13 | 3452.6 | 3676.2 | 4049.6 |
| Stddev | 1.11 | 6.0 | 5.2 | 8.0 |
| %RSD | .30348 | .17258 | .14151 | .19818 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 365.34 | 3448.3 | 3672.5 | 4055.3 |
| #2 | 366.92 | 3456.8 | 3679.8 | 4043.9 |

Sample Name: CCB Acquired: 5/28/2010 14:04:04 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6647 | 17.65 | 2.483 | 1.802 | 2.962 |
| Stddev | .7902 | 28.05 | 1.713 | .665 | 9.793 |
| %RSD | 118.9 | 159.0 | 69.00 | 36.90 | 330.6 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -1.223 | 37.48 | 1.271 | 2.272 | -3.963 |
| #2 | -1.059 | -2.189 | 3.694 | 1.332 | 9.887 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1870 | 20.66 | .3107 | .5665 | -.0682 |
| Stddev | .1232 | 32.21 | .1102 | .1170 | .0290 |
| %RSD | 65.86 | 155.9 | 35.46 | 20.65 | 42.59 |

| | | | | | |
|----|-------|--------|-------|-------|--------|
| #1 | .0999 | 43.44 | .2328 | .4838 | -.0477 |
| #2 | .2741 | -2.114 | .3886 | .6492 | -.0887 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 14:04:04 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7835 | 37.20 | 167.1 | 46.25 | .8353 |
| Stddev | .0154 | 5.00 | 123.7 | 16.39 | .1193 |
| %RSD | 1.965 | 13.43 | 74.02 | 35.43 | 14.29 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.7944 | 40.73 | 79.62 | 34.66 | .9197 |
| #2 | -.7726 | 33.67 | 254.5 | 57.83 | .7509 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9108 | 42.70 | .2712 | -.5444 | .3131 |
| Stddev | .6588 | 23.74 | .0925 | 3.409 | .4902 |
| %RSD | 72.33 | 55.61 | 34.11 | 626.2 | 156.6 |

| | | | | | |
|----|-------|-------|-------|--------|--------|
| #1 | 1.377 | 59.49 | .2058 | 1.866 | -.0335 |
| #2 | .4450 | 25.91 | .3366 | -2.955 | .6597 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 14:04:04 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.805 | 1.721 | 5.381 | -.1899 | .0980 |
| Stddev | 2.175 | .632 | 1.392 | .0661 | .0017 |
| %RSD | 77.56 | 36.74 | 25.87 | 34.79 | 1.739 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | 4.343 | 1.274 | 6.365 | -.1432 | .0968 |
| #2 | 1.267 | 2.168 | 4.397 | -.2366 | .0992 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .5403 | .7087 | -.3938 | .3959 |
| Stddev | 1.063 | .0089 | .8062 | .0743 |
| %RSD | 196.7 | 1.257 | 204.7 | 18.76 |

| | | | | |
|----|--------|-------|--------|-------|
| #1 | 1.292 | .7150 | .1762 | .3434 |
| #2 | -.2111 | .7024 | -.9638 | .4484 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/28/2010 14:04:04 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 384.41 | 3486.6 | 3706.2 | 4009.7 |
| Stddev | 3.48 | 17.2 | 24.0 | 20.3 |
| %RSD | .90518 | .49416 | .64646 | .50682 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 381.95 | 3498.8 | 3689.3 | 4024.1 |
| #2 | 386.87 | 3474.4 | 3723.2 | 3995.4 |



Sample Preparation – Metals

137169

METALS DIGESTION LOG

| Batch Information: | | | | Method Information: | | | | Reagent & Standard Traceability: | | | |
|--------------------|-----------|-------------------------------|--------------|---------------------|---------|---------|-----------|----------------------------------|---------|----------|--|
| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Color | Clarity | Texture | Artifacts | Color | Clarity | Comments | |
| PBS052710 D | N/A | 1.00 | 100 | | | | | | | | |
| LCSS052710 D | 7 | 1.00 | 100 | | | | | | | | |
| 828877 | A1 | 1.12 | | LT Brown | | Med | | yellow | cloudy | | |
| 828878 | | 1.09 | | | | | | | | | |
| 828879 | | 1.14 | | | | | | | | | |
| 828880 | | 1.19 | | | | | | | | | |
| 828881 | | 1.14 | | | | | | | | | |
| 828882 | | 1.41 | | | | | | | | | |
| 828883 | | 1.34 | | | | | | | | | |
| 828884 | | 1.10 | | | | | | | | | |
| 828885 | | 1.16 | | | | | | | | | |
| 828886 | | 1.20 | | | | | | | | | |
| 828886MS | | 1.16 | | | | | | | | | |
| 828886DP | | 1.13 | | | | | | | | | |
| 828887 | | 1.18 | | | | | | | | | |
| 828888 | | 1.57 | | | | | | | | | |
| 828889 | | 1.40 | | | | | | | | | |
| 828890 | | 1.24 | | | | | | | | | |
| 828891 | | 1.21 | | | | | | | | | |
| 828892 | | 1.23 | | | | | | | | | |
| 828893 | | 1.15 | | | | | | | | | |
| 828894 | | 1.23 | | | | | | | | | |
| 828895 | | 1.17 | | | | | | | | | |
| 828896 | | 1.30 | | | | | | | | | |

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature: Block 1 95°C Block 2 95°C Block 3 95°C Block 4 95°C Block 5 95°C Block 6 95°C Block 7 95°C Block 8 95°C

| STANDARD TRACEABILITY RECORDS ICP-OES Instrument | | |
|---|------------------------|--|
| Date: 5/28/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 052810-01 | TFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052810-02 | TFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052810-03 | TFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | Lot Number | |
| Used for all methods | | |
| STD 7: | ME STD 7w 00012 | |
| STD 8: | ME STD 8w 00008 | |
| STD 4: | ME STD 4w 00012 | |
| ICV: | ME ICVw 00005 | |
| CCV: | ME CCVw 00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME 5% 2% ATNSELw 00015 | |
| Internal Standard Solution: | ME ICP7ISLw 00007 | |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | ME 6010 ICSAw 00008 | |
| ICSAB 6010: | ME 6010 ICSABw 00001 | |
| CRI 6010: | ME 6010 CRIw 00006 | |
| DOD LRV Solution: | | |
| 6010 Post Spiking Solution: | ME SPIKE #1w 00008 | |
| 5 PPM AG: | | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | | |
| ICSA ILM05.4: | | |
| ICSAB ILM05.4: | | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| STANDARD TRACEABILITY RECORDS ICP-OES Instrument | | |
|---|-----------------------|--|
| Date: 5/28/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 052810-01 | TFJ | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052810-02 | TFJ | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052810-03 | TFJ | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | Lot Number | |
| Used for all methods | | |
| STD 7: | ME STD 7w 00012 | |
| STD 8: | ME STD 8w 00008 | |
| STD 4: | ME STD 4w 00012 | |
| ICV: | ME ICVw 00005 | |
| CCV: | ME CCVw 00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME 5% 2% RINSEw 00015 | |
| Internal Standard Solution: | ME ICP7 ISw 00007 | |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | ME 6010 ICSAw 00008 | |
| ICSAB 6010: | ME 6010 ICSABw 00001 | |
| CRI 6010: | ME 6010 CRIw 00006 | |
| DOD LRV Solution: | | |
| 6010 Post Spiking Solution: | ME SPIKE #1w 00008 | |
| 5 PPM AG: | | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | | |
| ICSA ILM05.4: | | |
| ICSAB ILM05.4: | | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
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| | | |
| | | |
| | | |



Sample Handling

DO NOT LIFT USING THIS TAG

| | | | |
|---------------------------|--|------------------------------------|--|
| Recipient's Phone Number | | TO (Recipient's Name) Please Print | |
| FedEx | | XH BTVA | |
| 0002 OF 0006 | | End# 588578 03MAY10 APAA | |
| MPS# 8716 0065 9960 | | Company | |
| Mstr# 8675 7103 9650 0215 | | Street Addr | |
| Site/Room | | City | |

TUE - 04 MAY AA
PRIORITY OVERNIGHT

05403
VT-US
BTV



2.00

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| | | | |
|------------------------------------|---|--------------------------|--|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number | |
| Company | TUE - 04 MAY AA PRIORITY OVERNIGHT | Suite/Room | |
| Street Address | | des) | |
| City | | | |

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0250 Mstr# 8675 7103 9650 0215

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05403
VT-US
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Emp# 588578 03MAY18 APAA

120

TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

| | | |
|--|--------------------------------|----------------------------------|
| Client: <u>JRSCOD</u> | Date Received: <u>05/04/10</u> | Log In Date: <u>05/04/10</u> |
| ETR: <u>137169</u> | Time Received: <u>1015</u> | By: <u>[Signature]</u> |
| SDG: <u>137169</u> | Received By: <u>VP</u> | Signature: <u>[Signature]</u> |
| Project: <u>296000</u> | # Coolers Received: <u>6</u> | PM Signature: <u>[Signature]</u> |
| Samples Delivered By: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify) | | Date: <u>05/04/10</u> |
| List Air bill Number(s) or Attach a photocopy of the Air Bill: | | |

| COOLER SCREEN | YES | NO | NA | COMMENTS |
|--|-------------------------------------|-------------------------------------|----|----------|
| There is no evidence to indicate tampering | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seals are present and intact | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seal numbers are present | | <input checked="" type="checkbox"/> | | |
| If yes, list custody seal numbers: | | | | |

| | | | | |
|---|---------------------------------------|---------------|---------------|--|
| Thermal Preservation Type: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other (specify) | | | | |
| IR Gun ID: <u>96</u> | Correction Factor (CF) = <u>-2</u> °C | | | |
| Cooler 1: <u>2.0</u> °C | Cooler 6: <u>4.3</u> °C | Cooler 11: °C | Cooler 16: °C | |
| Cooler 2: <u>2.2</u> °C | Cooler 7: °C | Cooler 12: °C | Cooler 17: °C | |
| Cooler 3: <u>2.2</u> °C | Cooler 8: °C | Cooler 13: °C | Cooler 18: °C | |
| Cooler 4: <u>0.6</u> °C | Cooler 9: °C | Cooler 14: °C | Cooler 19: °C | |
| Cooler 5: <u>2.8</u> °C | Cooler 10: °C | Cooler 15: °C | Cooler 20: °C | |

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun
 EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.
 Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

| SAMPLE CONDITION | YES | NO | NA | COMMENTS |
|---|-------------------------------------|----|----|----------|
| Sample containers were received intact | <input checked="" type="checkbox"/> | | | |
| Legible sample labels are affixed to each container | <input checked="" type="checkbox"/> | | | |

| CHAIN OF CUSTODY (COC) | YES | NO | NA | COMMENTS |
|---|-------------------------------------|-------------------------------------|-------------------------------------|----------|
| COC is present and includes the following information for each container: | | | | |
| • Sample ID / Sample Description | <input checked="" type="checkbox"/> | | | |
| • Date of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Time of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Identification of the Sampler | <input checked="" type="checkbox"/> | | | |
| • Preservation Type | | | <input checked="" type="checkbox"/> | |
| • Requested Tests Method(s) | <input checked="" type="checkbox"/> | | | |
| • Necessary Signatures | <input checked="" type="checkbox"/> | | | |
| Internal Chain of Custody (ICOC) Required | | <input checked="" type="checkbox"/> | | |
| If yes to above, ICOC Record initiated for every Worksheet | | | <input checked="" type="checkbox"/> | |

| SAMPLE INTEGRITY / USABILITY | YES | NO | NA | COMMENTS |
|---|-------------------------------------|-------------------------------------|-------------------------------------|------------------|
| The sample container matches the COC | | <input checked="" type="checkbox"/> | | <u>See label</u> |
| Appropriate sample containers were received for the tests requested | <input checked="" type="checkbox"/> | | | |
| Samples were received within holding time | <input checked="" type="checkbox"/> | | | |
| Sufficient amount of sample is provided for requested analyses | <input checked="" type="checkbox"/> | | | |
| VOA vials do not have headspace or a bubble >6mm (1/4" diameter) | | | <input checked="" type="checkbox"/> | |
| Appropriate preservatives were used for the tests requested | | | <input checked="" type="checkbox"/> | |
| pH of inorganic samples checked and is within method specification | | | <input checked="" type="checkbox"/> | |
| If no, attach Inorganic Sample pH Adjustment Form | | | | |

ANOMALY / NCR SUMMARY:
 Samples CVR3TR2-3-TWIN-SOL, CVR3TR3-1-TWIN-SOL, and CVR3TR3-2-TWIN-TLG used in work at 2.0°C, all other values for this log used in work at 14.2°C, per client's request.
 Label for CVR3TR3-1-TWIN-TLG lists temp of 16.25, signed 11/30/09-COC.
 Sample label for CVR3TR3-1-TWIN-SOL, for 13.00, list, is COC used 14.2°C.
 Sample label for CVR3TR2-3-TWIN-SOL reads CVR3TR2-3-TWIN-TLG, Sample label for 70.0-COC.
 Sample label for CVR3TR2-3-TWIN-SOL lists temp of 0.15, list reads 14.15, signed 11/30/09-COC.
 COC leaves off 14.2°C in 70.0 of CVR3TR3-2-TWIN-SOL, reads CVR3TR3-2-TWIN-SOL once, IAF on label used 14.2°C.

TestAmerica
South Burlington, VT
Extended Data Package

137170

TestAmerica Laboratories, Inc.

June 1, 2010

Ms. Sheri O'Conner
URS Operating Services, Inc.
1099 18th Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: CMI; SDG: 137170

Dear Ms. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137170 | | | |
| 828897 | CVR2TR1-1-T04N-SOL | 05/01/10 | SOIL |
| 828897DP | CVR2TR1-1-T04N-SOLREP | 05/01/10 | SOIL |
| 828897MD | CVR2TR1-1-T04N-SOLMSD | 05/01/10 | SOIL |
| 828898 | CVR2TR3-2-T01N-SOL | 04/28/10 | SOIL |
| 828899 | CVR2TR3-2-T01N-TLG | 04/28/10 | SOIL |
| 828900 | CVR2TR3-2-T02N-SOL | 04/28/10 | SOIL |
| 828901 | CVR2TR3-2-T04N-SOL | 04/28/10 | SOIL |
| 828902 | CVR2TR3-3-T01N-SOL | 04/28/10 | SOIL |
| 828903 | CVR2TR3-3-T01N-TLG | 04/28/10 | SOIL |
| 828904 | CVR2TR3-3-T02N-SOL | 04/29/10 | SOIL |
| 828905 | BA5-T01N-SOL | 04/28/10 | SOIL |
| 828906 | BA6-T01N-SOL | 04/28/10 | SOIL |
| 828907 | CVR3TR3-3-T04N-SOL | 04/29/10 | SOIL |

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B

There were no exceptions to the method quality control criteria during the analysis of these samples.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.)



The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read "Joseph Carabillo", written in a cursive style.

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|---|-----------|
| Chain of Custody..... | 2 |
| Sample Report Summary Wet Chemistry | 7 |
| Supportive Documentation Wet Chemistry | 20 |
| Sample Report Summary Metals | 23 |
| QC Summary Metals | 36 |
| Supportive Documentation Metals | 56 |
| Sample Preparation Metals | 93 |
| Sample Handling | 96 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody

White and Yellow to lab

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

PAGE 5 OF 5

URS Corporation • 8181 E. Tufts Avenue, Denver, CO 80237 • 303-694-2770 • Fax 303-694-3946

[illegible]

Pink – sample management

White and Yellow to lab

Cooler of



Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-1-T04N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137170

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828897

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 93.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 93.7 | |

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WET CHEMISTRY
Duplicate Sample Report Summary

Client Sample No.
CVR2TR1-1-T04N-SOLRE

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137170

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828897DP

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 94.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | Sample Result Conc. | Sample Result Qual. | Duplicate Sample Result Conc. | Duplicate Sample Result Qual. | RPD ¹ |
|--------|-----------------|---------------------|------------------|-------|---------------------|---------------------|-------------------------------|-------------------------------|------------------|
| IN623 | Solids, Percent | 05/05/10 | | % | 93.7 | | 94.3 | | 0.6 |

¹ - Control Limit for RPD is +/- 20%, unless otherwise specified.

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-2-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137170

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828898

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 95.1 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-2-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137170

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828899

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 95.7 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-2-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137170

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828900

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 97.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 97.1 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-2-T04N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137170

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828901

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 96.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 96.0 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-3-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137170

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828902

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 95.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 95.6 | |

Printed on: 05/06/10 09:33 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-3-T01N-TLG

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137170

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828903

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 94.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 94.7 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-3-T02N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137170

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828904

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 71.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 71.9 | |

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WET CHEMISTRY

Sample Report Summary

BA5-T01N-SOL

% Solids: 91.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 91.4 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

BA6-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137170

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828906

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 89.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 89.1 | |

Printed on: 05/06/10 09:33 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-3-T04N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137170

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 828907

Matrix: SOIL

Client: URSCOD

Date Received: 05/04/10

% Solids: 88.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/05/10 | | % | 1 | 0.10 | 88.4 | |

Printed on: 05/06/10 09:33 AM



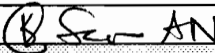

Supportive Documentation – Wet Chemistry



Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

| | | | | | |
|--|--|----------------|--|-----------------------------|--|
| Analysis Start Date: 5/5/2010 | | Oven ID: 2 | | Analysis End Date: 5/6/2010 | |
| Analysis Start Time: 08:20 | | Time In: 9:41 | | Analysis End Time: 8:52 | |
| Start Analyst: AN | | Time Out: 8:20 | | End Analyst: KEJ | |
| Start Analyst Signature:  | | | End Analyst Signature:  | | |

| LAB ID | Dish ID | Dish Weight (g) | Weight of Dish + Wet Sample (g) | Weight of Dish + Dry Sample (g) | Percent Solids (%) | Percent Moisture (%) |
|----------|---------|--------------------|---------------------------------------|---------------------------------------|-----------------------|-------------------------|
| 828886 | 31 | 1.00 | 9.96 | 9.18 | 91.3 | 9 |
| 828886DP | 32 | 0.97 | 10.00 | 9.16 | 90.7 | 9 |
| 828887 | 33 | 0.99 | 9.95 | 9.38 | 93.6 | 6 |
| 828888 | 34 | 0.99 | 9.98 | 9.47 | 94.3 | 6 |
| 828889 | 35 | 1.00 | 10.01 | 9.46 | 93.9 | 6 |
| 828890 | 36 | 1.00 | 9.98 | 9.18 | 91.1 | 9 |
| 828891 | 37 | 1.00 | 9.97 | 9.33 | 92.9 | 7 |
| 828892 | 38 | 1.00 | 9.94 | 9.17 | 91.4 | 9 |
| 828893 | 39 | 0.98 | 9.93 | 8.85 | 87.9 | 12 |
| 828894 | 40 | 1.00 | 10.00 | 9.70 | 96.7 | 3 |
| 828895 | 41 | 0.98 | 9.96 | 8.89 | 88.1 | 12 |
| 828896 | 42 | 0.95 | 9.96 | 9.24 | 92.0 | 8 |
| 828897 | 43 | 0.98 | 10.00 | 9.43 | 93.7 | 6 |
| 828897DP | 44 | 1.00 | 10.02 | 9.51 | 94.3 | 6 |
| 828898 | 45 | 1.00 | 9.98 | 9.54 | 95.1 | 5 |
| 828899 | 46 | 0.97 | 10.00 | 9.61 | 95.7 | 4 |
| 828900 | 47 | 0.98 | 9.95 | 9.69 | 97.1 | 3 |
| 828901 | 48 | 1.00 | 9.96 | 9.60 | 96.0 | 4 |
| 828902 | 49 | 0.97 | 10.03 | 9.63 | 95.6 | 4 |
| 828903 | 50 | 0.97 | 10.02 | 9.54 | 94.7 | 5 |
| 828904 | 51 | 0.99 | 10.04 | 7.50 | 71.9 | 28 |
| 828905 | 52 | 0.98 | 10.04 | 9.26 | 91.4 | 9 |
| 828906 | 53 | 0.99 | 9.98 | 9.00 | 89.1 | 11 |
| 828907 | 54 | 0.98 | 9.94 | 8.90 | 88.4 | 12 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Calculation: Percent Wet Weight = $\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170

SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|---------------------|----------------|
| BA5-T01N-SOL | 828905 |
| BA6-T01N-SOL | 828906 |
| CVR2TR1-1-T04N-SOL | 828897 |
| CVR2TR1-1-T04N-SOLD | 828897D |
| CVR2TR1-1-T04N-SOLS | 828897S |
| CVR2TR3-2-T01N-SOL | 828898 |
| CVR2TR3-2-T01N-TLG | 828899 |
| CVR2TR3-2-T02N-SOL | 828900 |
| CVR2TR3-2-T04N-SOL | 828901 |
| CVR2TR3-3-T01N-SOL | 828902 |
| CVR2TR3-3-T01N-TLG | 828903 |
| CVR2TR3-3-T02N-SOL | 828904 |
| CVR3TR3-3-T04N-SOL | 828907 |

Were ICP interelement corrections applied? Yes/No YESWere ICP background corrections applied? Yes/No YESIf yes-were raw data generated before
application of background corrections? Yes/No NOComments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

COVER PAGE - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BA5-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170
Matrix (soil/water): SOIL Lab Sample ID: 828905
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 91.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 3.2 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BA6-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170
Matrix (soil/water): SOIL Lab Sample ID: 828906
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 89.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 1.9 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-1-T04N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170
Matrix (soil/water): SOIL Lab Sample ID: 828897
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 93.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 182 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-2-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170
Matrix (soil/water): SOIL Lab Sample ID: 828898
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 22.9 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-2-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170
Matrix (soil/water): SOIL Lab Sample ID: 828899
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 150 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-2-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170
Matrix (soil/water): SOIL Lab Sample ID: 828900
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 97.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 67.2 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-2-T04N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170
Matrix (soil/water): SOIL Lab Sample ID: 828901
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 96.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 130 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-3-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170
Matrix (soil/water): SOIL Lab Sample ID: 828902
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 95.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 40.5 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-3-T01N-TLG

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170
Matrix (soil/water): SOIL Lab Sample ID: 828903
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 94.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 150 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-3-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170
Matrix (soil/water): SOIL Lab Sample ID: 828904
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 71.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 32.0 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-3-T04N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170
Matrix (soil/water): SOIL Lab Sample ID: 828907
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 88.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 53.6 | | | P |

Color Before: light brown Clarity Before: _____ Texture: medium
Color After: yellow Clarity After: cloudy Artifacts: _____

Comments: _____

Form I - IN



QC Summary – Metals

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137170Initial Calibration Source: Inorganic Ventures/FisherContinuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 519.10 | 103.8 | 200.0 | 200.00 | 100.0 | 201.90 | 101.0 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137170

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|-------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 199.80 | 99.9 | | | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|------------|------|-------|----|-----------------------|-------|-------|-------|----|
| | True | Found | %R | Initial | | Final | | |
| | True | Found | %R | True | Found | %R | Found | %R |
| Molybdenum | | | | 10.0 | 13.29 | 132.9 | | |

Control Limits: no limits have been established by EPA at this time

Form IIB-IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170Preparation Blank Matrix (soil/water): SOILPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | M |
|------------|--------------------------------------|--|-----|-----|--|--|--|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| Molybdenum | 2.0 | 0.7 | 1.5 | 1.0 | | | | 0.047 | |

Form III - IN

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170

ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|-------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | -1 | 988.8 | 100.3 | | | |

Form IV - IN

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR2TR1-1-T04N-SOLS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 93.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|---------------------|-------|---|---|
| Molybdenum | 80 - 120 | 234.6975 | | 181.6125 | | 47.22 | 112.4 | | P |

Comments:

Form V (PART 1) - IN

USEPA-CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR2TR1-1-T04N-SOLA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|---------------------|------|---|---|
| Molybdenum | | 2411.00 | 1991.00 | 500.0 | 84.0 | | P |

Comments: _____

Form V (PART 2) - IN

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR2TR1-1-T04N-SOLD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 93.7 % Solids for Duplicate: 94.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|------------|------------------|------------|---|---------------|---|-----|---|---|
| Molybdenum | | 181.6125 | | 179.7149 | | 1.1 | | P |

Form VI - IN

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137170Solid LCS Source: Inorganic VenturesAqueous LCS Source:

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | | |
|------------|----------------|-------|----|---------------|-------|---|--------|------|-------|
| | True | Found | %R | True | Found | C | Limits | | %R |
| Molybdenum | | | | 50.0 | 50.0 | | 40.0 | 60.0 | 100.0 |

Form VII - IN

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

CVR2TR1-1-T04N-SOLL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170
Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) C | Serial Dilution Result (S) C | % Differ- ence | Q | M |
|------------|-----------------------------------|------------------------------------|-------------------|---|---|
| Molybdenum | 1991.00 | 2176.00 | 9.3 | | P |

Form IX - IN

USEPA-CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|-----------|---------------------|-------------|----------------|---------------|---|
| Molybdenu | 202.030 | | 10 | 0.47 | P |

Comments:

Form X - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 1) - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|---------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137170

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|---------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments: _____

Form XII - IN

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137170Method: P

| EPA Sample No. | Preparation Date | Initial Weight (g) | Volume (mL) |
|---------------------|---------------------|-----------------------|----------------|
| BA5-T01N-SOL | 5/27/2010 | 1.14 | 100.0 |
| BA6-T01N-SOL | 5/27/2010 | 1.21 | 100.0 |
| CVR2TR1-1-T04N-SOL | 5/27/2010 | 1.17 | 100.0 |
| CVR2TR1-1-T04N-SOLD | 5/27/2010 | 1.12 | 100.0 |
| CVR2TR1-1-T04N-SOLS | 5/27/2010 | 1.13 | 100.0 |
| CVR2TR3-2-T01N-SOL | 5/27/2010 | 1.21 | 100.0 |
| CVR2TR3-2-T01N-TLG | 5/27/2010 | 1.14 | 100.0 |
| CVR2TR3-2-T02N-SOL | 5/27/2010 | 1.20 | 100.0 |
| CVR2TR3-2-T04N-SOL | 5/27/2010 | 1.33 | 100.0 |
| CVR2TR3-3-T01N-SOL | 5/27/2010 | 1.15 | 100.0 |
| CVR2TR3-3-T01N-TLG | 5/27/2010 | 1.18 | 100.0 |
| CVR2TR3-3-T02N-SOL | 5/27/2010 | 1.31 | 100.0 |
| CVR3TR3-3-T04N-SOL | 5/27/2010 | 1.17 | 100.0 |
| LCSS052710E | 5/27/2010 | 1.00 | 100.0 |
| PBS052710E | 5/27/2010 | 1.00 | 100.0 |

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137170
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/27/2010 End Date: 5/27/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| CalibStd-Blk | 1.00 | 18:17 | | | | | X | | | | | | | | | | | | |
| STD7 | 1.00 | 18:21 | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 18:25 | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 18:29 | | | | | X | | | | | | | | | | | | |
| ICV | 1.00 | 18:33 | | | | | X | | | | | | | | | | | | |
| ICB | 1.00 | 18:37 | | | | | X | | | | | | | | | | | | |
| ICSA | 1.00 | 18:41 | | | | | X | | | | | | | | | | | | |
| ICSAB | 1.00 | 18:45 | | | | | X | | | | | | | | | | | | |
| CRI | 1.00 | 18:49 | | | | | X | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 18:52 | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 18:56 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 19:00 | | | | | X | | | | | | | | | | | | |
| PBS052710E | 1.00 | 19:04 | | | | | X | | | | | | | | | | | | |
| LCSS052710E | 1.00 | 19:08 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T04N-SOL | 1.00 | 19:12 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T04N-SOL | 5.00 | 19:16 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T04N-SOL | 1.00 | 19:20 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T04N-SOL | 1.00 | 19:24 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T04N-SOL | 1.00 | 19:28 | | | | | X | | | | | | | | | | | | |
| CVR2TR3-2-T01N-SOL | 1.00 | 19:32 | | | | | X | | | | | | | | | | | | |
| CVR2TR3-2-T01N-TLG | 1.00 | 19:36 | | | | | X | | | | | | | | | | | | |
| CVR2TR3-2-T02N-SOL | 1.00 | 19:40 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 19:44 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 19:47 | | | | | X | | | | | | | | | | | | |
| CVR2TR3-2-T04N-SOL | 1.00 | 19:51 | | | | | X | | | | | | | | | | | | |
| CVR2TR3-3-T01N-SOL | 1.00 | 19:55 | | | | | X | | | | | | | | | | | | |
| CVR2TR3-3-T01N-TLG | 1.00 | 19:59 | | | | | X | | | | | | | | | | | | |
| CVR2TR3-3-T02N-SOL | 1.00 | 20:03 | | | | | X | | | | | | | | | | | | |
| BA5-T01N-SOL | 1.00 | 20:07 | | | | | X | | | | | | | | | | | | |
| BA6-T01N-SOL | 1.00 | 20:11 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-3-T04N-SOL | 1.00 | 20:15 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 20:19 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 20:23 | | | | | X | | | | | | | | | | | | |

Form XIV - IN



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: JSW

Date: 5/27/2010

Reviewed by: *[Signature]*

Date: 5/27/10

QC Review by: *[Signature]*

Date: 5-28-10

TJA ICAP 7

ICP METALS 6010 *B**

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis | | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-------------------|-----------|----------|----|--------|---------------|------------|------------------|
| | Date | Time | | | | | |
| 1. CalibStd-Blk | 5/27/2010 | 18:17:53 | 1 | WATER | 052710-03.txt | | <i>Mo</i> |
| 2. STD7 | 5/27/2010 | 18:21:46 | 1 | WATER | 052710-03.txt | | |
| 3. STD8 | 5/27/2010 | 18:25:38 | 1 | WATER | 052710-03.txt | | |
| 4. STD4 | 5/27/2010 | 18:29:37 | 1 | WATER | 052710-03.txt | | |
| 5. ICV1 | 5/27/2010 | 18:33:36 | 1 | WATER | 052710-03.txt | | |
| 6. ICB1 | 5/27/2010 | 18:37:29 | 1 | WATER | 052710-03.txt | | |
| 7. ICSA1 | 5/27/2010 | 18:41:25 | 1 | WATER | 052710-03.txt | | |
| 8. ICSAB1 | 5/27/2010 | 18:45:14 | 1 | WATER | 052710-03.txt | | |
| 9. CRI1 | 5/27/2010 | 18:49:02 | 1 | WATER | 052710-03.txt | | |
| 10. LRV | 5/27/2010 | 18:52:54 | 1 | WATER | 052710-03.txt | | |
| 11. CCV1 | 5/27/2010 | 18:56:45 | 1 | WATER | 052710-03.txt | | |
| 12. CCB1 | 5/27/2010 | 19:00:33 | 1 | WATER | 052710-03.txt | | |
| 13. PBS052710E | 5/27/2010 | 19:04:26 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 14. LCSS052710E * | 5/27/2010 | 19:08:20 | 1 | SOIL | 052710-03.txt | | |
| 15. 828897 | 5/27/2010 | 19:12:15 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 16. 828897L | 5/27/2010 | 19:16:16 | 5 | WATER | 052710-03.txt | PBICPS0527 | |
| 17. 828897A | 5/27/2010 | 19:20:07 | 1 | WATER | 052710-03.txt | PBICPS0527 | |
| 18. 828897MS | 5/27/2010 | 19:24:08 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 19. 828897DP | 5/27/2010 | 19:28:08 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 20. 828898 | 5/27/2010 | 19:32:08 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 21. 828899 | 5/27/2010 | 19:36:03 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 22. 828900 | 5/27/2010 | 19:40:04 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 23. CCV2 | 5/27/2010 | 19:44:04 | 1 | WATER | 052710-03.txt | | |
| 24. CCB2 | 5/27/2010 | 19:47:53 | 1 | WATER | 052710-03.txt | | |
| 25. 828901 | 5/27/2010 | 19:51:47 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 26. 828902 | 5/27/2010 | 19:55:47 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 27. 828903 | 5/27/2010 | 19:59:48 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 28. 828904 | 5/27/2010 | 20:03:49 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 29. 828905 | 5/27/2010 | 20:07:46 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 30. 828906 | 5/27/2010 | 20:11:49 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 31. 828907 | 5/27/2010 | 20:15:50 | 1 | SOIL | 052710-03.txt | PBICPS0527 | |
| 32. CCV3 | 5/27/2010 | 20:19:52 | 1 | WATER | 052710-03.txt | | |
| 33. CCB3 | 5/27/2010 | 20:23:41 | 1 | WATER | 052710-03.txt | | |

**SD*

5-28-10

Analytical Review Report

Data File: 052710-03.txt

Date Printed: 5/27/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/27/2010

Analysis End Date: 5/27/2010

Start Time: 18:17:5

End Time: 20:23:4

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|----------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 53.13 | 0.0001 | | | | |
| STD4 | 1 | | 0.812 | 0.000 | 0.000 | 0.50 | 0.81 | | | | |
| ICV1 | 1 | PASS | 519.100 | 517.300 | 520.800 | 0.47 | 519.10 | 103.8 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 1.985 | 2.269 | 1.700 | 20.26 | 2.0 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | -0.637 | -0.817 | -0.457 | 39.95 | -0.64 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 988.800 | 986.900 | 990.600 | 0.27 | 989 | 100.3 | 986 | 80 | 120 |
| CR11 | 1 | PASS | 13.290 | 13.490 | 13.090 | 2.10 | 13.29 | 132.9 | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 200.000 | 198.800 | 201.300 | 0.89 | 200.00 | 100.0 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.683 | 0.869 | 0.497 | 38.55 | 0.7 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 201.900 | 201.800 | 201.900 | 0.02 | 201.90 | 101.0 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 1.547 | 1.570 | 1.524 | 2.10 | 1.5 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 199.800 | 200.100 | 199.400 | 0.24 | 199.80 | 99.9 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 1.039 | 1.123 | 0.956 | 11.37 | 1.0 | | | | +/-10.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| LRV | 1 | PASS | -0.597 | -0.068 | -1.126 | 125.30 | -0.60 | | | | |
| PBS052710E | 1 | PASS | 0.207 | 0.360 | 0.055 | 103.90 | 0.021 | | | | +/-10.00 |
| LCSS052710F | 1 | PASS | 499.600 | 497.800 | 501.400 | 0.51 | 50.0 | 100.0 | 50.0 | 40.0 | 60.0 |
| 828897 | 1 | PASS | 1991.000 | 1987.000 | 1996.000 | 0.33 | 182 | | | | |
| 828897L | 5 | FAIL | 2176.000 | 2172.000 | 2180.000 | 0.26 | 10880.00 | | | | |
| 828897A | 1 | PASS | 2411.000 | 2407.000 | 2415.000 | 0.25 | 2411.00 | 84.0 | 500.0 | 80 | 120 |
| 828897MS | 1 | PASS | 2485.000 | 2482.000 | 2488.000 | 0.19 | 234.6975 | 112.4 | 47.22 | 80 | 120 |
| 828897DP | 1 | PASS | 1886.000 | 1886.000 | 1886.000 | 0.01 | 179.7149 | | | | |
| 828898 | 1 | PASS | 263.000 | 263.200 | 262.800 | 0.12 | 22.9 | | | | |
| 828899 | 1 | PASS | 1639.000 | 1637.000 | 1642.000 | 0.24 | 150 | | | | |
| 828900 | 1 | PASS | 783.200 | 784.300 | 782.000 | 0.21 | 67.2 | | | | |
| 828901 | 1 | PASS | 1654.000 | 1652.000 | 1657.000 | 0.23 | 130 | | | | |
| 828902 | 1 | PASS | 444.800 | 444.300 | 445.200 | 0.16 | 40.5 | | | | |
| 828903 | 1 | PASS | 1679.000 | 1679.000 | 1679.000 | 0.02 | 150 | | | | |
| 828904 | 1 | PASS | 301.100 | 301.300 | 300.900 | 0.09 | 32.0 | | | | |
| 828905 | 1 | PASS | 33.340 | 33.440 | 33.250 | 0.41 | 3.2 | | | | |
| 828906 | 1 | PASS | 20.570 | 20.670 | 20.470 | 0.68 | 1.9 | | | | |
| 828907 | 1 | PASS | 554.700 | 554.000 | 555.400 | 0.17 | 53.6 | | | | |

Sample Name: CalibStd-Blk Acquired: 5/27/2010 18:17:53 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0012 | -0.0020 | .0005 | .0003 | -0.0004 |
| Stddev | .0016 | .0018 | .0002 | .0001 | .0002 |
| %RSD | 137.7 | 89.71 | 44.59 | 39.81 | 40.90 |
| #1 | .0000 | -.0007 | .0003 | .0002 | -.0005 |
| #2 | -.0024 | -.0033 | .0006 | .0004 | -.0003 |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0017 | .0001 | -.0033 | -.0034 | -.0005 |
| Stddev | .0001 | .0008 | .0004 | .0000 | .0007 |
| %RSD | 3.449 | 707.6 | 11.02 | .2820 | 144.8 |
| #1 | -.0017 | -.0004 | -.0030 | -.0034 | -.0009 |
| #2 | -.0017 | .0006 | -.0035 | -.0034 | .0000 |
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0545 | -.0091 | -.0288 | .0004 | .0019 |
| Stddev | .0014 | .0024 | .0012 | .0000 | .0019 |
| %RSD | 2.616 | 26.74 | 4.090 | 9.030 | 101.3 |
| #1 | .0555 | -.0109 | -.0296 | .0004 | .0032 |
| #2 | .0535 | -.0074 | -.0280 | .0004 | .0005 |

Sample Name: CalibStd-Blk Acquired: 5/27/2010 18:17:53 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|----------------|---------------|----------------|----------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0001 | -.0380 | .0041 | -.0003 | -.0060 |
| Stddev | .0001 | .0007 | .0000 | .0000 | .0038 |
| %RSD | 53.13 | 1.831 | .5973 | 2.484 | 63.46 |
| #1 | .0001 | -.0385 | .0042 | -.0003 | -.0033 |
| #2 | .0002 | -.0375 | .0041 | -.0003 | -.0087 |
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0003 | .0015 | .0790 | .0002 | .0213 |
| Stddev | .0003 | .0001 | .0078 | .0000 | .0013 |
| %RSD | 87.01 | 6.490 | 9.928 | 6.878 | 6.016 |
| #1 | .0005 | .0016 | .0845 | .0002 | .0222 |
| #2 | .0001 | .0015 | .0734 | .0003 | .0204 |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | |
| Avg | -.0114 | .0004 | -.0009 | .0022 | |
| Stddev | .0019 | .0008 | .0017 | .0002 | |
| %RSD | 16.45 | 223.4 | 197.1 | 7.210 | |
| #1 | -.0127 | .0010 | -.0021 | .0021 | |
| #2 | -.0100 | -.0002 | .0003 | .0024 | |

Analyst: *pu*

Sample Name: CalibStd-Blk Acquired: 5/27/2010 18:17:53 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 461.23 | 4019.4 | 4220.7 | 4891.1 |
| Stddev | .25 | 3.3 | 6.1 | 26.4 |
| %RSD | .05527 | .08163 | .14566 | .53925 |
| #1 | 461.41 | 4017.1 | 4225.1 | 4909.8 |
| #2 | 461.05 | 4021.7 | 4216.4 | 4872.5 |

Sample Name: STD7 Acquired: 5/27/2010 18:21:46 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 { 85} | 318.128 {106} | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.832 | .8226 | 9.273 | 1.852 | .9510 |
| Stddev | .006 | .0029 | .052 | .001 | .0047 |
| %RSD | .2077 | .3541 | .5565 | .0452 | .4950 |
| #1 | 2.836 | .8247 | 9.309 | 1.853 | .9544 |
| #2 | 2.828 | .8206 | 9.236 | 1.851 | .9477 |

| | |
|--------|---------------|
| Elem | Na-LL |
| Line | 589.592 { 57} |
| IS Ref | (Y_HWRD) |
| Units | Cts/S |
| Avg | 6.259 |
| Stddev | .027 |
| %RSD | .4300 |
| #1 | 6.278 |
| #2 | 6.240 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_HWRD |
| Line | 224.306 {150} | 371.030 { 91} |
| Units | Cts/S | Cts/S |
| Avg | 3902.0 | 4803.6 |
| Stddev | 2.9 | 1.7 |
| %RSD | .07452 | .03464 |
| #1 | 3900.0 | 4804.7 |
| #2 | 3904.1 | 4802.4 |

Sample Name: STD8 Acquired: 5/27/2010 18:25:38 Type: Cal
 Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|-----------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 (479) | 220.353 (453) | 206.833 (463) | 196.090 (472) | 189.989 (477)2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0594 | 3.063 | .0749 | .0432 | .1865 |
| Stddev | .0005 | .037 | .0002 | .0000 | .0002 |
| %RSD | .8073 | 1.217 | .2267 | .0783 | .1245 |
| #1 | .0597 | 3.090 | .0750 | .0433 | .1866 |
| #2 | .0591 | 3.037 | .0748 | .0432 | .1863 |
| Elem | Ti-LL | | | | |
| Line | 190.856 (477) | | | | |
| IS Ref | (In2306) | | | | |
| Units | Cts/S | | | | |
| Avg | .9346 | | | | |
| Stddev | .0065 | | | | |
| %RSD | .6978 | | | | |
| #1 | .9392 | | | | |
| #2 | .9300 | | | | |
| Int. Std. | In2306 | Y_-LWAX | | | |
| Line | 230.606 (446) | 224.306 (450) | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 460.81 | 4259.7 | | | |
| Stddev | 3.54 | 8.2 | | | |
| %RSD | .76921 | .19162 | | | |
| #1 | 458.31 | 4253.9 | | | |
| #2 | 463.32 | 4265.4 | | | |

Sample Name: STD4 Acquired: 5/27/2010 18:29:37 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | B-LL | Ba-LL | Be-LL | Cd-HL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 208.959 {461} | 233.527 {144} | 313.042 {108} | 228.802 {447} |
| IS Ref | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.259 | .3386 | .0908 | 2.571 | .9117 |
| Stddev | .002 | .0005 | .0008 | .000 | .0016 |
| %RSD | .0917 | .1360 | .8575 | .0150 | .1719 |
| #1 | 2.260 | .3383 | .0913 | 2.571 | .9106 |
| #2 | 2.257 | .3390 | .0902 | 2.570 | .9128 |

| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
|--------|---------------|---------------|----------------|----------------|---------------|
| Line | 228.616 {447} | 205.552 {464} | 324.754 {104}2 | 257.610 {131}2 | 202.030 {467} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .9884 | 1.532 | 7.143 | 24.48 | .8119 |
| Stddev | .0004 | .001 | .005 | .03 | .0041 |
| %RSD | .0378 | .0699 | .0699 | .1295 | .5045 |
| #1 | .9882 | 1.533 | 7.146 | 24.45 | .8090 |
| #2 | .9887 | 1.531 | 7.139 | 24.50 | .8148 |

| Elem | Ni-LL | P-HL | Si-LL | Sr-LL | Ti-LL |
|--------|---------------|---------------|---------------|--------------|----------------|
| Line | 231.604 {445} | 178.284 {489} | 288.158 {117} | 407.771 {83} | 334.904 {101}2 |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .5890 | .0788 | 4.614 | 78.65 | 5.294 |
| Stddev | .0008 | .0001 | .000 | .13 | .005 |
| %RSD | .1338 | .1531 | .0036 | .1680 | .0934 |
| #1 | .5884 | .0788 | 4.614 | 78.74 | 5.290 |
| #2 | .5895 | .0789 | 4.614 | 78.55 | 5.297 |

Sample Name: STD4 Acquired: 5/27/2010 18:29:37 Type: Cal
Method: 6010B(v60) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | V-LL | Zn-LL2 |
|--------|----------------|---------------|
| Line | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S |
| Avg | 3.665 | 3.376 |
| Stddev | .001 | .004 |
| %RSD | .0344 | .1332 |
| #1 | 3.666 | 3.373 |
| #2 | 3.664 | 3.380 |

| Int. Std. | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|--------------|
| Line | 224.306 {150} | 224.306 {450} | 371.030 {91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 4033.4 | 4251.3 | 4916.9 |
| Stddev | 1.5 | .2 | 34.8 |
| %RSD | .03723 | .00430 | .70713 |
| #1 | 4032.4 | 4251.2 | 4941.5 |
| #2 | 4034.5 | 4251.5 | 4892.3 |

Sample Name: ICV Acquired: 5/27/2010 18:33:36 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 492.1 | 26190. | 261.0 | 505.8 | 486.8 |
| Stddev | .7 | 33. | .5 | .7 | .1 |
| %RSD | .1361 | .1272 | .1865 | .1426 | .0134 |
| #1 | 491.7 | 26170. | 260.7 | 506.3 | 486.9 |
| #2 | 492.6 | 26220. | 261.4 | 505.3 | 486.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 511.2 | 25440. | 487.8 | 485.2 | 492.1 |
| Stddev | .8 | 32. | .7 | .2 | .3 |
| %RSD | .1503 | .1274 | .1406 | .0466 | .0612 |
| #1 | 511.7 | 25460. | 487.3 | 485.3 | 492.4 |
| #2 | 510.6 | 25420. | 488.2 | 485.0 | 491.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/27/2010 18:33:36 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 475.7 | 25960. | 25930. | 24940. | 482.2 |
| Stddev | 1.0 | 54. | 33. | 177. | 1.2 |
| %RSD | .2083 | .2092 | .1291 | .7110 | .2502 |
| #1 | 475.0 | 25930. | 25900. | 24810. | 481.3 |
| #2 | 476.4 | 26000. | 25950. | 25060. | 483.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 519.1 | 25240. | 474.2 | 522.8 | 1009. |
| Stddev | 2.5 | 52. | 1.2 | .9 | .3 |
| %RSD | .4740 | .2053 | .2507 | .1753 | .2997 |
| #1 | 517.3 | 25270. | 473.4 | 523.5 | 1011. |
| #2 | 520.8 | 25200. | 475.0 | 522.2 | 1007. |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/27/2010 18:33:36 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 255.1 | 254.5 | 263.5 | 230.8 | 488.6 |
| Stddev | .1 | 4.1 | .4 | .3 | 4.0 |
| %RSD | .0503 | 1.629 | .1693 | .1336 | .8169 |
| #1 | 255.1 | 251.6 | 263.8 | 230.6 | 485.8 |
| #2 | 255.2 | 257.5 | 263.2 | 231.0 | 491.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 509.6 | 246.9 | 509.4 | 507.8 |
| Stddev | 2.3 | .8 | .3 | .7 |
| %RSD | .4576 | .3137 | .0591 | .1402 |
| #1 | 508.0 | 247.4 | 509.2 | 508.3 |
| #2 | 511.3 | 246.3 | 509.6 | 507.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/27/2010 18:33:36 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 426.58 | 3934.6 | 4127.8 | 4843.7 |
| Stddev | 2.51 | 9.4 | 7.0 | 2.4 |
| %RSD | .58757 | .23904 | .16969 | .04952 |
| #1 | 424.81 | 3941.2 | 4122.8 | 4845.4 |
| #2 | 428.35 | 3927.9 | 4132.8 | 4842.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/27/2010 18:37:29 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5267 | 9.653 | 2.167 | 2.524 | 2.628 |
| Stddev | .4109 | 29.89 | .300 | .707 | .005 |
| %RSD | 78.01 | 309.7 | 13.84 | 28.00 | .2027 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | -8172 | 30.79 | 2.380 | 3.024 | 2.632 |
| #2 | -2362 | -11.48 | 1.955 | 2.025 | 2.625 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4019 | 11.50 | .2045 | -.0203 | .4253 |
| Stddev | .0853 | 26.40 | .2135 | .0647 | .2075 |
| %RSD | 21.21 | 229.5 | 104.4 | 318.9 | 48.79 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .4622 | 30.17 | .3555 | -.0661 | .2786 |
| #2 | .3416 | -7.165 | .0535 | .0255 | .5720 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/27/2010 18:37:29 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7101 | 11.71 | 35.59 | -29.44 | .1674 |
| Stddev | .4546 | 3.84 | 28.72 | 16.45 | .1293 |
| %RSD | 64.02 | 32.84 | 80.70 | 55.87 | 77.28 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | .3886 | 14.42 | 55.89 | -41.07 | .2588 |
| #2 | 1.032 | 8.987 | 15.28 | -17.81 | .0759 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.985 | 21.76 | -1.182 | -.9989 | -.7291 |
| Stddev | .402 | 1.74 | .970 | 1.550 | 2.285 |
| %RSD | 20.26 | 8.001 | 82.03 | 155.1 | 313.4 |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | 2.269 | 23.00 | -.4965 | .0970 | -2.345 |
| #2 | 1.700 | 20.53 | -1.868 | -2.095 | .8866 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/27/2010 18:37:29 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4835 | .2317 | -1.156 | .2554 | .1217 |
| Stddev | .3081 | 2.309 | 2.753 | .8444 | .0177 |
| %RSD | 63.72 | 996.6 | 238.2 | 330.6 | 14.52 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | .7013 | 1.865 | .7908 | -.3417 | .1342 |
| #2 | .2656 | -1.401 | -3.103 | .8525 | .1092 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0647 | .0099 | .3004 | .1998 |
| Stddev | .0442 | .0326 | .4526 | .0224 |
| %RSD | 68.36 | 328.3 | 150.7 | 11.21 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .0334 | .0330 | -.0196 | .1839 |
| #2 | .0960 | -.0131 | .6205 | .2156 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/27/2010 18:37:29 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 456.27 | 3963.7 | 4185.9 | 4760.4 |
| Stddev | 2.19 | 6.1 | 8.6 | 15.4 |
| %RSD | .48094 | .15472 | .20609 | .32419 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 457.83 | 3968.0 | 4192.0 | 4771.3 |
| #2 | 454.72 | 3959.4 | 4179.8 | 4749.5 |

UCL 315.4 2774.6 2930.1 3332.3
 UCL 583.2 5152.8 5441.7 6188.5

Sample Name: ICSA Acquired: 5/27/2010 18:41:25 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.845 | 513600. | 4.441 | 2.429 | 5.154 |
| Stddev | .345 | 3017. | 3.197 | .085 | .327 |
| %RSD | 12.14 | .5874 | 71.99 | 3.511 | 6.344 |
| #1 | -3.089 | 511500. | 2.180 | 2.489 | 4.923 |
| #2 | -2.600 | 515700. | 6.701 | 2.369 | 5.385 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1618 | 494600. | .9169 | 2.538 | 8.100 |
| Stddev | .1004 | 1602. | .0063 | .074 | .155 |
| %RSD | 62.07 | .3239 | .6907 | 2.910 | 1.918 |

#1 .0908 493500. .9124 2.590 8.210
 #2 .2329 495800. .9214 2.485 7.990

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/27/2010 18:41:25 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.591 | 195300. | 9.971 | 493200. | .9433 |
| Stddev | .0275 | 516. | 122.6 | 2534. | .0597 |
| %RSD | 4.178 | .2641 | 1230. | .5137 | 6.331 |
| #1 | -6.397 | 195000. | -76.73 | 491400. | .9855 |
| #2 | -6.786 | 195700. | 96.67 | 495000. | .9010 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.373 | 49.72 | -8.481 | -.2521 | 2.947 |
| Stddev | .2546 | 10.49 | 1.018 | 1.505 | .838 |
| %RSD | 39.95 | 21.09 | 12.01 | 596.9 | 28.45 |

#1 -.8173 57.14 -9.201 .8120 3.540
 #2 -.4572 42.30 -7.761 -1.316 2.354

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/27/2010 18:41:25 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.314 | .8124 | 7.971 | .5751 | 15.55 |
| Stddev | .803 | 3.195 | 1.871 | 1.318 | .00 |
| %RSD | 8.618 | 393.2 | 23.47 | 229.2 | .0219 |

#1 -9.882 3.071 9.293 -.3571 15.55
 #2 -8.747 -1.446 6.648 1.507 15.54

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.670 | 3.416 | -3.941 | -3.908 |
| Stddev | .657 | 1.077 | .161 | .202 |
| %RSD | 11.58 | 31.54 | 4.095 | 5.161 |

#1 5.206 4.178 -3.827 -3.765
 #2 6.134 2.654 -4.055 -4.050

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/27/2010 18:41:25 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 362.03 | 3610.2 | 3810.2 | 4699.0 |
| Stddev | 2.26 | 3.1 | 14.3 | 9.5 |
| %RSD | .62292 | .08470 | .37616 | .20183 |

#1 360.43 3612.3 3800.1 4692.3
 #2 363.62 3608.0 3820.3 4705.7

Sample Name: ICSAB Acquired: 5/27/2010 18:45:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 192.6 | 504900. | 96.04 | 1419. | 470.0 |
| Stddev | 1.9 | 625. | 4.65 | 2. | 8.1 |
| %RSD | 1.010 | .1238 | 4.836 | .1579 | 1.732 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 191.3 | 505300. | 99.32 | 1418. | 475.7 |
| #2 | 194.0 | 504500. | 92.75 | 1421. | 464.2 |

Check ? Value Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 496.3 | 485800. | 957.9 | 451.9 | 482.3 |
| Stddev | 1.1 | 674. | .7 | .8 | .2 |
| %RSD | .2154 | .1388 | .0747 | .1695 | .0505 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 497.0 | 486300. | 958.4 | 452.4 | 482.5 |
| #2 | 495.5 | 485300. | 957.4 | 451.4 | 482.1 |

Check ? Value Range

Sample Name: ICSAB Acquired: 5/27/2010 18:45:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 480.7 | 194800. | 28.38 | 481800. | 473.3 |
| Stddev | 1.1 | 1004. | 79.96 | 754. | 1.5 |
| %RSD | .2322 | .5155 | 281.7 | .1565 | .3185 |

| | | | | | |
|----|-------|---------|--------|---------|-------|
| #1 | 479.9 | 194100. | 84.93 | 482300. | 472.2 |
| #2 | 481.5 | 195500. | -28.16 | 481200. | 474.4 |

Check ? Value Range

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (ln2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 988.8 | 54.16 | 885.7 | 503.0 | 50.93 |
| Stddev | 2.6 | 14.93 | .1 | 3.4 | 2.45 |
| %RSD | .2651 | 27.56 | .0131 | .6698 | 4.803 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 986.9 | 43.61 | 885.7 | 500.6 | 49.20 |
| #2 | 990.6 | 64.71 | 885.8 | 505.4 | 52.66 |

Check ? Value Range

Sample Name: ICSAB Acquired: 5/27/2010 18:45:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 574.2 | 39.80 | 1005. | 1380. | 243.4 |
| Stddev | .1 | 4.18 | 6. | 2. | .3 |
| %RSD | .0232 | 10.50 | .6093 | .1406 | .1135 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 574.1 | 36.85 | 1000. | 1379. | 243.6 |
| #2 | 574.3 | 42.75 | 1009. | 1382. | 243.3 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (ln2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 501.4 | F 91.61 | 505.8 | 982.6 |
| Stddev | 2.4 | 2.18 | 3.3 | .4 |
| %RSD | .4840 | 2.376 | .6563 | .0445 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 499.7 | 90.07 | 503.5 | 982.9 |
| #2 | 503.2 | 93.15 | 508.2 | 982.3 |

Check ? Value Range

Sample Name: ICSAB Acquired: 5/27/2010 18:45:14 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | ln2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 361.74 | 3612.7 | 3826.5 | 4678.2 |
| Stddev | .02 | 21.0 | 3.9 | 4.8 |
| %RSD | .00623 | .58170 | .10287 | .10202 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 361.73 | 3627.6 | 3823.7 | 4681.6 |
| #2 | 361.76 | 3597.9 | 3829.3 | 4674.9 |

Sample Name: CRI Acquired: 5/27/2010 18:49:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.923 | F 307.4 | 12.35 | 103.5 | 193.3 |
| Stddev | .615 | 41.5 | 2.04 | .2 | 8.4 |
| %RSD | 6.892 | 13.49 | 16.55 | .2251 | 4.363 |
| #1 | 9.358 | 336.7 | 10.90 | 103.3 | 199.2 |
| #2 | 8.488 | 278.1 | 13.79 | 103.6 | 187.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.233 | 5218. | 5.152 | 49.48 | 10.27 |
| Stddev | .187 | 26. | .047 | .44 | .07 |
| %RSD | 3.573 | .4975 | .9132 | .8900 | .6897 |
| #1 | 5.101 | 5237. | 5.119 | 49.17 | 10.32 |
| #2 | 5.365 | 5200. | 5.186 | 49.79 | 10.22 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/27/2010 18:49:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.17 | 262.8 | 5166. | 5115. | 15.10 |
| Stddev | .91 | 38.8 | 53. | 22. | .00 |
| %RSD | 3.920 | 14.77 | 1.023 | .4396 | .0126 |
| #1 | 23.81 | 235.4 | 5128. | 5099. | 15.10 |
| #2 | 22.53 | 290.2 | 5203. | 5131. | 15.11 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.29 | 5186. | 38.61 | 259.3 | 8.876 |
| Stddev | .28 | 38. | .22 | 2.4 | .405 |
| %RSD | 2.102 | .7307 | .5713 | .9103 | 4.566 |
| #1 | 13.49 | 5159. | 38.46 | 257.6 | 8.590 |
| #2 | 13.09 | 5213. | 38.77 | 261.0 | 9.163 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/27/2010 18:49:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 59.67 | 38.31 | 105.9 | 19.03 | 20.38 |
| Stddev | 1.10 | 2.45 | 1.4 | .76 | .23 |
| %RSD | 1.849 | 6.397 | 1.307 | 3.976 | 1.137 |
| #1 | 60.45 | 36.58 | 106.8 | 18.49 | 20.55 |
| #2 | 58.89 | 40.04 | 104.9 | 19.56 | 20.22 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.89 | 24.22 | 49.95 | 22.26 |
| Stddev | .25 | .55 | .20 | .14 |
| %RSD | 1.190 | 2.276 | .4084 | .6281 |
| #1 | 21.07 | 24.61 | 49.81 | 22.16 |
| #2 | 20.71 | 23.83 | 50.09 | 22.36 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/27/2010 18:49:02 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 454.77 | 3993.5 | 4228.2 | 4868.4 |
| Stddev | 2.53 | 13.7 | 6.3 | 43.3 |
| %RSD | .55556 | .34384 | .14984 | .88890 |
| #1 | 456.55 | 4003.2 | 4232.7 | 4837.8 |
| #2 | 452.98 | 3983.8 | 4223.8 | 4899.0 |

Sample Name: LRV Acquired: 5/27/2010 18:52:54 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.318 | 596500. | 2072. | 3.003 | 3736. |
| Stddev | .351 | 828. | 11. | .525 | 7. |
| %RSD | 6.610 | .1389 | .5486 | 17.49 | .1987 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -5.070 | 597100. | 2064. | 3.375 | 3731. |
| #2 | -5.567 | 595900. | 2080. | 2.632 | 3741. |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1956. | 565800. | 1903. | F 3552. | 3821. |
| Stddev | 4. | 1153. | 4. | 8. | 8. |
| %RSD | .2169 | .2038 | .2308 | .2181 | .2068 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 1959. | 566600. | 1900. | 3547. | 3815. |
| #2 | 1953. | 565000. | 1906. | 3558. | 3826. |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | 4400. | |
| Low Limit | | | | 3600. | |

Sample Name: LRV Acquired: 5/27/2010 18:52:54 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4069. | 286000. | 105500. | 562600. | 3712. |
| Stddev | 2. | 260. | 472. | 1804. | 1. |
| %RSD | .0566 | .0908 | .4476 | .3207 | .0403 |

| | | | | | |
|----|-------|---------|---------|---------|-------|
| #1 | 4070. | 286200. | 105800. | 563900. | 3713. |
| #2 | 4067. | 285800. | 105100. | 561400. | 3711. |

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5972 | 101300. | F 3498. | -.1968 | 3963. |
| Stddev | .7480 | 398. | 8. | 4.217 | 20. |
| %RSD | 125.3 | .3929 | .2260 | 2143. | .5058 |

| | | | | | |
|----|--------|---------|-------|--------|-------|
| #1 | -.0682 | 101600. | 3493. | -3.179 | 3949. |
| #2 | -1.126 | 101000. | 3504. | 2.785 | 3978. |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass |
| High Limit | | | 4400. | | |
| Low Limit | | | 3600. | | |

Sample Name: LRV Acquired: 5/27/2010 18:52:54 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3953. | 1901. | 45.00 | .1668 | 3.657 |
| Stddev | 13. | 1. | .14 | .2228 | .007 |
| %RSD | .3180 | .0404 | .3028 | 133.6 | .1914 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 3944. | 1900. | 45.10 | .0093 | 3.662 |
| #2 | 3962. | 1901. | 44.90 | .3244 | 3.652 |

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7.336 | 1883. | 4017. | 4006. |
| Stddev | .215 | 12. | 1. | 7. |
| %RSD | 2.926 | .6140 | .0336 | .1718 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 7.184 | 1875. | 4018. | 4001. |
| #2 | 7.488 | 1892. | 4016. | 4011. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: LRV Acquired: 5/27/2010 18:52:54 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 358.48 | 3543.4 | 3703.6 | 4644.9 |
| Stddev | 1.06 | 4.6 | .2 | 7.8 |
| %RSD | .29591 | .13044 | .00490 | .16765 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 359.23 | 3546.7 | 3703.5 | 4639.4 |
| #2 | 357.73 | 3540.1 | 3703.7 | 4650.4 |

Sample Name: CCV Acquired: 5/27/2010 18:56:45 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.50 | 30140. | 101.9 | 715.7 | 193.6 |
| Stddev | .60 | 40. | 1.3 | 4.0 | 6.2 |
| %RSD | .6170 | .1334 | 1.279 | .5637 | 3.190 |
| #1 | 96.92 | 30170. | 101.0 | 712.8 | 198.0 |
| #2 | 96.08 | 30110. | 102.9 | 718.5 | 189.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.5 | 29810. | 98.10 | 191.4 | 196.0 |
| Stddev | .4 | 203. | .23 | .6 | .6 |
| %RSD | .3497 | .6799 | .2336 | .3202 | .2925 |
| #1 | 100.8 | 29960. | 98.26 | 191.0 | 195.6 |
| #2 | 100.3 | 29670. | 97.93 | 191.8 | 196.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 18:56:45 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 187.9 | 30200. | 29950. | 30210. | 191.1 |
| Stddev | .9 | 84. | 243. | 115. | .7 |
| %RSD | .4529 | .2772 | .8123 | .3790 | .3503 |
| #1 | 188.5 | 30260. | 30130. | 30290. | 191.5 |
| #2 | 187.3 | 30140. | 29780. | 30130. | 190.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.0 | 30120. | 187.8 | 204.0 | 402.2 |
| Stddev | 1.8 | 47. | .2 | 1.3 | 2.2 |
| %RSD | .8870 | .1568 | .1270 | .6563 | .5526 |
| #1 | 198.8 | 30150. | 187.6 | 203.1 | 403.8 |
| #2 | 201.3 | 30080. | 188.0 | 204.9 | 400.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 18:56:45 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 298.1 | 97.92 | 1001. | 194.7 | 295.1 |
| Stddev | 2.1 | 3.44 | 1. | 1.3 | 2.1 |
| %RSD | .7062 | 3.508 | .1262 | .6743 | .7205 |
| #1 | 296.6 | 95.49 | 1000. | 193.7 | 296.6 |
| #2 | 299.6 | 100.3 | 1002. | 195.6 | 293.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 397.5 | 102.5 | 200.4 | 199.9 |
| Stddev | .7 | .4 | 1.0 | .0 |
| %RSD | .1713 | .4120 | .5128 | .0105 |
| #1 | 398.0 | 102.8 | 201.2 | 199.9 |
| #2 | 397.0 | 102.2 | 199.7 | 199.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 18:56:45 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 424.04 | 3931.6 | 4131.7 | 4812.2 |
| Stddev | .89 | .3 | 12.3 | 23.8 |
| %RSD | .20994 | .00822 | .29651 | .49450 |
| #1 | 423.41 | 3931.4 | 4140.4 | 4795.4 |
| #2 | 424.67 | 3931.9 | 4123.0 | 4829.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 19:00:33 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.516 | -1.424 | 1.945 | 2.169 | 3.503 |
| Stddev | .538 | 10.23 | .488 | .029 | 2.331 |
| %RSD | 35.49 | 718.9 | 25.10 | 1.352 | 66.54 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -1.896 | -8.661 | 2.290 | 2.190 | 5.151 |
| #2 | -1.135 | 5.814 | 1.600 | 2.148 | 1.855 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0718 | -29.99 | .2693 | -.0721 | .1754 |
| Stddev | .0503 | 37.30 | .3500 | .0501 | .0873 |
| %RSD | 69.99 | 124.4 | 130.0 | 69.51 | 49.79 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .1074 | -3.619 | .0218 | -.0367 | .2372 |
| #2 | .0363 | -56.37 | .5168 | -.1075 | .1137 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 19:00:33 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0686 | 10.92 | -45.62 | 23.94 | .0611 |
| Stddev | .2917 | 2.34 | 52.02 | 47.84 | .0562 |
| %RSD | 425.2 | 21.46 | 114.0 | 199.8 | 92.00 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -.2749 | 12.57 | -8.837 | 57.77 | .1008 |
| #2 | .1377 | 9.260 | -82.41 | -9.888 | .0213 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6833 | 39.79 | -.8712 | .0694 | -1.664 |
| Stddev | .2634 | 36.73 | .4567 | .1173 | 2.180 |
| %RSD | 38.55 | 92.32 | 52.42 | 169.1 | 131.0 |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | .8695 | 65.77 | -1.194 | -.0136 | -.1227 |
| #2 | .4970 | 13.82 | -5.483 | .1523 | -3.206 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 19:00:33 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.633 | 4.467 | -3.897 | -.0286 | -.0439 |
| Stddev | .358 | 2.431 | 2.313 | .2124 | .0321 |
| %RSD | 21.91 | 54.41 | 59.35 | 743.4 | 73.24 |

| | | | | | |
|----|--------|-------|--------|--------|--------|
| #1 | -1.380 | 2.749 | -2.262 | -.1788 | -.0212 |
| #2 | -1.886 | 6.186 | -5.533 | .1216 | -.0666 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0383 | -.0969 | -.0210 | .0948 |
| Stddev | .4499 | .6289 | .5739 | .0019 |
| %RSD | 1174. | 649.1 | 2732. | 1.993 |

| | | | | |
|----|--------|--------|--------|-------|
| #1 | -.2798 | .3478 | .3848 | .0934 |
| #2 | .3565 | -.5416 | -.4268 | .0961 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 19:00:33 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 457.31 | 3981.7 | 4200.6 | 4814.3 |
| Stddev | 1.32 | 6.4 | 4.6 | 4.0 |
| %RSD | .28896 | .15952 | .10851 | .08372 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 456.38 | 3977.2 | 4197.3 | 4811.5 |
| #2 | 458.25 | 3986.2 | 4203.8 | 4817.2 |

Sample Name: PBS052710E Acquired: 5/27/2010 19:04:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6494 | -3.493 | .2027 | 2.421 | 2.990 |
| Stddev | .1686 | 15.44 | .7862 | .034 | 2.569 |
| %RSD | 25.96 | 442.0 | 387.9 | 1.412 | 85.91 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | -5302 | -14.41 | -.3532 | 2.445 | 4.807 |
| #2 | -7686 | 7.425 | .7586 | 2.396 | 1.174 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0507 | 15.72 | .3528 | .1632 | .3261 |
| Stddev | .0334 | 39.44 | .0217 | .4336 | .1720 |
| %RSD | 65.87 | 250.9 | 6.157 | 265.7 | 52.74 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .0743 | -12.17 | .3681 | -.1434 | .2045 |
| #2 | .0271 | 43.60 | .3374 | .4698 | .4477 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: PBS052710E Acquired: 5/27/2010 19:04:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1916 | 37.74 | 61.15 | -40.68 | .1909 |
| Stddev | .0380 | 1.24 | 126.5 | 5.72 | .0825 |
| %RSD | 19.85 | 3.283 | 206.8 | 14.05 | 43.23 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | .2185 | 36.87 | 150.6 | -36.64 | .1326 |
| #2 | .1647 | 38.62 | -28.28 | -44.72 | .2493 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2073 | 71.86 | -.5810 | 5.150 | 1.464 |
| Stddev | .2153 | 29.31 | .2335 | 1.110 | .693 |
| %RSD | 103.9 | 40.79 | 40.19 | 21.55 | 47.38 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | .3596 | 92.58 | -.4159 | 4.365 | .9733 |
| #2 | .0551 | 51.13 | -.7461 | 5.935 | 1.954 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: PBS052710E Acquired: 5/27/2010 19:04:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4974 | 1.575 | 6.714 | 14.31 | -.0294 |
| Stddev | 1.270 | .748 | .946 | .58 | .0015 |
| %RSD | 255.4 | 47.48 | 14.08 | 4.045 | 5.164 |

| | | | | | |
|----|--------|-------|-------|-------|--------|
| #1 | -.4009 | 2.104 | 7.383 | 14.72 | -.0305 |
| #2 | 1.396 | 1.046 | 6.046 | 13.90 | -.0283 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .5381 | -1.457 | .3131 | .6822 |
| Stddev | .3903 | .130 | .8963 | .0963 |
| %RSD | 72.54 | 8.887 | 286.2 | 14.11 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .8141 | -1.548 | -.3206 | .6141 |
| #2 | .2621 | -1.365 | .9469 | .7503 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: PBS052710E Acquired: 5/27/2010 19:04:26 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y-LL | Y-LL | Y-LL |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 454.65 | 4000.3 | 4226.1 | 4830.1 |
| Stddev | .48 | 10.5 | 17.9 | 22.6 |
| %RSD | .10531 | .26127 | .42405 | .46883 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 454.99 | 3992.9 | 4213.4 | 4846.1 |
| #2 | 454.31 | 4007.7 | 4238.8 | 4814.1 |

Sample Name: LCSS052710F Acquired: 5/27/2010 19:08:20 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 242.1 | 2172. | 239.5 | 466.7 | 1996. |
| Stddev | .1 | 19. | .6 | 2.5 | 19. |
| %RSD | .0541 | .8870 | .2563 | .5257 | .9745 |
| #1 | 242.1 | 2158. | 239.9 | 464.9 | 2010. |
| #2 | 242.2 | 2185. | 239.0 | 468.4 | 1983. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (108) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.78 | 19840. | 237.8 | 445.6 | 211.2 |
| Stddev | .26 | 37. | .2 | 1.3 | .2 |
| %RSD | .4791 | .1858 | .0721 | .2884 | .0992 |

#1 53.96 19820. 237.7 444.7 211.4
 #2 53.60 19870. 237.9 446.5 211.1

Check ? Value Range
 None None None None None

Sample Name: LCSS052710F Acquired: 5/27/2010 19:08:20 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 253.0 | 1158. | 20240. | 19270. | 482.6 |
| Stddev | .3 | 4. | 166. | 8. | .5 |
| %RSD | .1040 | .3846 | .8193 | .0395 | .0965 |
| #1 | 252.8 | 1162. | 20130. | 19280. | 483.0 |
| #2 | 253.1 | 1155. | 20360. | 19270. | 482.3 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 499.6 | 19660. | 476.0 | 499.4 | 221.2 |
| Stddev | 2.5 | 59. | .9 | .5 | 2.7 |
| %RSD | .5063 | .2991 | .1917 | .1032 | 1.240 |

#1 497.8 19610. 475.4 499.8 219.3
 #2 501.4 19700. 476.7 499.0 223.2

Check ? Value Range
 None None None None None

Sample Name: LCSS052710F Acquired: 5/27/2010 19:08:20 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 450.0 | 238.6 | 485.7 | 508.5 | 478.0 |
| Stddev | 5.3 | .3 | 1.6 | .2 | .2 |
| %RSD | 1.169 | .1343 | .3283 | .0330 | .0463 |
| #1 | 446.3 | 238.4 | 486.8 | 508.4 | 478.2 |
| #2 | 453.8 | 238.8 | 484.6 | 508.6 | 477.9 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 494.4 | 245.2 | 496.9 | 482.8 |
| Stddev | 1.3 | 1.0 | 1.6 | .2 |
| %RSD | .2562 | .3915 | .3314 | .0386 |

#1 493.5 244.5 498.1 482.7
 #2 495.3 245.9 495.8 482.9

Check ? Value Range
 None None None None

Sample Name: LCSS052710F Acquired: 5/27/2010 19:08:20 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 428.50 | 3917.2 | 4128.9 | 4791.3 |
| Stddev | 2.72 | 13.0 | 8.6 | .6 |
| %RSD | .63553 | .33167 | .20925 | .01217 |
| #1 | 430.43 | 3926.4 | 4135.0 | 4790.9 |
| #2 | 426.57 | 3908.1 | 4122.8 | 4791.7 |

#1 430.43 3926.4 4135.0 4790.9
 #2 426.57 3908.1 4122.8 4791.7

Sample Name: 828897 Acquired: 5/27/2010 19:12:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.586 | 90100. | 38.56 | 1.315 | 879.1 |
| Stddev | .580 | 324. | .40 | .232 | 9.6 |
| %RSD | 22.43 | .3590 | 1.046 | 17.61 | 1.089 |
| #1 | -2.176 | 89880. | 38.28 | 1.479 | 872.3 |
| #2 | -2.996 | 90330. | 38.85 | 1.151 | 885.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.77 | 95350. | 6.384 | 88.74 | 381.1 |
| Stddev | .12 | 17. | .071 | .17 | 1.1 |
| %RSD | .9781 | .0178 | 1.111 | .1930 | .2813 |
| #1 | 12.68 | 95330. | 6.434 | 88.86 | 380.3 |
| #2 | 12.86 | 95360. | 6.334 | 88.62 | 381.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828897 Acquired: 5/27/2010 19:12:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1009. | 179400. | 35030. | 72810. | 6059. |
| Stddev | 1. | 334. | 243. | 9. | 11. |
| %RSD | .0734 | .1862 | .6946 | .0128 | .1775 |
| #1 | 1008. | 179200. | 34860. | 72800. | 6066. |
| #2 | 1009. | 179700. | 35210. | 72820. | 6051. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1991. | 1405. | 254.3 | 7571. | 545.8 |
| Stddev | 7. | 1. | .2 | 3. | 5.6 |
| %RSD | .3296 | .1012 | .0974 | .0452 | 1.034 |
| #1 | 1987. | 1406. | 254.2 | 7569. | 541.8 |
| #2 | 1996. | 1404. | 254.5 | 7574. | 549.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828897 Acquired: 5/27/2010 19:12:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.160 | -4.578 | 14190. | -3.636 | 651.5 |
| Stddev | 1.895 | 5.221 | 19. | .720 | 4.2 |
| %RSD | 20.69 | 114.0 | .1347 | 19.81 | .6478 |
| #1 | -7.820 | -.8864 | 14200. | -3.126 | 648.5 |
| #2 | -10.50 | -8.270 | 14180. | -4.145 | 654.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 6354. | -16.21 | 386.8 | 979.2 | |
| Stddev | 5. | .29 | .1 | .5 | |
| %RSD | .0748 | 1.763 | .0363 | .0505 | |
| #1 | 6351. | -16.41 | 386.7 | 978.9 | |
| #2 | 6357. | -16.01 | 386.9 | 979.6 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828897 Acquired: 5/27/2010 19:12:15 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 402.93 | 4262.6 | 4447.6 | 5267.9 |
| Stddev | 1.64 | 4.7 | 5.9 | 36.9 |
| %RSD | .40714 | .10984 | .13161 | .69997 |
| #1 | 404.09 | 4259.3 | 4443.4 | 5294.0 |
| #2 | 401.77 | 4265.9 | 4451.7 | 5241.9 |

Sample Name: 828897L Acquired: 5/27/2010 19:16:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.146 | 99600. | 40.58 | 5.226 | 972.2 |
| Stddev | .634 | 84. | 11.29 | .746 | 8.8 |
| %RSD | 7.787 | .0848 | 27.81 | 14.28 | .9032 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -7.697 | 99540. | 48.56 | 5.753 | 978.4 |
| #2 | -8.594 | 99660. | 32.60 | 4.698 | 966.0 |

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 14.11 | 104700. | 6.861 | 100.1 | 417.0 |
| Stddev | .24 | 68. | 1.562 | 2.0 | .4 |
| %RSD | 1.693 | .0645 | 22.76 | 2.045 | .0905 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 13.94 | 104700. | 5.757 | 98.66 | 416.7 |
| #2 | 14.27 | 104800. | 7.965 | 101.6 | 417.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828897L Acquired: 5/27/2010 19:16:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1051. | 198400. | 38340. | 81200. | 6821. |
| Stddev | 2. | 485. | 32. | 411. | 20. |
| %RSD | .2311 | .2443 | .0846 | .5064 | .2947 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 1049. | 198800. | 38320. | 80910. | 6835. |
| #2 | 1052. | 198100. | 38360. | 81490. | 6807. |

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | {ln2306} |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2176. | 1641. | 289.2 | 8292. | 545.1 |
| Stddev | 6. | 107. | 4.9 | 6. | 6.2 |
| %RSD | .2645 | 6.518 | 1.691 | .0674 | 1.133 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2172. | 1565. | 292.6 | 8296. | 549.4 |
| #2 | 2180. | 1716. | 285.7 | 8288. | 540.7 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828897L Acquired: 5/27/2010 19:16:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|---------------|----------------|---------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.054 | -3130 | 15510. | -4.207 | 731.7 |
| Stddev | 5.080 | 25.20 | 229. | 2.291 | .4 |
| %RSD | 72.02 | 8049. | 1.477 | 54.46 | .0503 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -10.65 | -18.13 | 15350. | -2.587 | 731.9 |
| #2 | -3.462 | 17.50 | 15670. | -5.828 | 731.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| | | | | |
|--------|----------------|---------------|----------------|---------------|
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | {ln2306} | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6785. | -22.81 | 416.2 | 1091. |
| Stddev | 15. | 5.20 | 3.0 | 1. |
| %RSD | .2198 | 22.77 | .7210 | .1256 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 6795. | -26.49 | 418.3 | 1090. |
| #2 | 6774. | -19.14 | 414.1 | 1092. |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828897L Acquired: 5/27/2010 19:16:16 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | ln2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 439.14 | 4020.1 | 4253.9 | 4896.6 |
| Stddev | .36 | 10.4 | 6.1 | 22.0 |
| %RSD | .08212 | .25920 | .14301 | .44947 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 439.39 | 4027.5 | 4249.6 | 4912.2 |
| #2 | 438.88 | 4012.8 | 4258.2 | 4881.1 |

Sample Name: 828897A Acquired: 5/27/2010 19:20:07 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.125 | 91360. | 74.89 | 421.6 | 2609. |
| Stddev | .220 | 222. | .12 | .9 | 3. |
| %RSD | 10.36 | .2429 | .1604 | .2039 | .0987 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -2.281 | 91210. | 74.98 | 421.0 | 2607. |
| #2 | -1.970 | 91520. | 74.81 | 422.2 | 2611. |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 60.14 | 94690. | 50.68 | 483.9 | 557.0 |
| Stddev | .11 | 345. | .03 | .1 | .6 |
| %RSD | .1802 | .3642 | .0683 | .0106 | .1040 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 60.21 | 94440. | 50.70 | 483.8 | 557.4 |
| #2 | 60.06 | 94930. | 50.65 | 483.9 | 556.6 |

Check ? Value Range

Sample Name: 828897A Acquired: 5/27/2010 19:20:07 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1233. | 179700. | 34830. | 72560. | 6395. |
| Stddev | .0402 | .11. | 40. | 306. | 26. |
| %RSD | .0063 | .1141 | .4223 | .4135 | |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 1233. | 179700. | 34800. | 72350. | 6376. |
| #2 | 1232. | 179700. | 34860. | 72780. | 6414. |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2411. | 1384. | 647.3 | 7949. | 564.8 |
| Stddev | 6. | 10. | .4 | 19. | .3 |
| %RSD | .2495 | .7190 | .0579 | .2340 | .0566 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2407. | 1391. | 647.5 | 7962. | 565.0 |
| #2 | 2415. | 1377. | 647.0 | 7935. | 564.5 |

Check ? Value Range

Sample Name: 828897A Acquired: 5/27/2010 19:20:07 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 413.0 | 43.12 | 14380. | 397.4 | 1041. |
| Stddev | 3.4 | 4.95 | 190. | .3 | 7. |
| %RSD | .8341 | 11.49 | 1.318 | .0658 | .7119 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 415.4 | 39.62 | 14520. | 397.6 | 1036. |
| #2 | 410.6 | 46.62 | 14250. | 397.3 | 1047. |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6734. | 34.49 | 821.2 | 1390. |
| Stddev | 7. | .91 | 1.2 | 3. |
| %RSD | .1018 | 2.638 | .1428 | .1836 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 6739. | 33.85 | 820.4 | 1392. |
| #2 | 6729. | 35.14 | 822.0 | 1388. |

Check ? Value Range

Sample Name: 828897A Acquired: 5/27/2010 19:20:07 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 399.00 | 4181.8 | 4407.8 | 5156.9 |
| Stddev | .15 | 8.0 | 10.2 | 52.6 |
| %RSD | .03668 | .19192 | .23080 | 1.0199 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 399.10 | 4187.4 | 4400.6 | 5194.1 |
| #2 | 398.89 | 4176.1 | 4415.0 | 5119.7 |

Sample Name: 828897MS Acquired: 5/27/2010 19:24:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 396.152 {85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 40.92 | 95150. | 77.54 | 402.5 | 2618. |
| Stddev | 1.20 | 587. | .66 | .6 | 4. |
| %RSD | 2.943 | .6173 | .8465 | .1438 | .1666 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 41.77 | 94730. | 77.07 | 402.9 | 2621. |
| #2 | 40.06 | 95560. | 78.00 | 402.1 | 2614. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 60.99 | 92890. | 51.53 | 481.7 | 584.1 |
| Stddev | .34 | 711. | .06 | 1.8 | .4 |
| %RSD | .5654 | .7657 | .1258 | .3658 | .0767 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 60.75 | 92390. | 51.49 | 480.4 | 583.8 |
| #2 | 61.23 | 93400. | 51.58 | 482.9 | 584.4 |

Check ? Value Range
 None None None None None

Sample Name: 828897MS Acquired: 5/27/2010 19:24:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 {44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1230. | 183100. | 34700. | 74590. | 6760. |
| Stddev | 4. | 398. | 478. | 562. | 83. |
| %RSD | .3347 | .2174 | 1.379 | .7541 | 1.224 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 1233. | 183400. | 34360. | 74190. | 6819. |
| #2 | 1227. | 182900. | 35040. | 74980. | 6702. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 {467} | 589.592 {57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2485. | 1301. | 682.4 | 7998. | 743.0 |
| Stddev | 5. | 2. | 2.3 | 3. | .7 |
| %RSD | .1895 | .1580 | .3393 | .0414 | .0923 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2482. | 1303. | 680.7 | 8001. | 742.5 |
| #2 | 2488. | 1300. | 684.0 | 7996. | 743.5 |

Check ? Value Range
 None None None None None

Sample Name: 828897MS Acquired: 5/27/2010 19:24:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 {83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 233.9 | 43.76 | 12920. | 427.4 | 987.9 |
| Stddev | .5 | 2.86 | 45. | .9 | 2.4 |
| %RSD | .2153 | 6.542 | .3515 | .2170 | .2475 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 234.2 | 45.78 | 12890. | 426.7 | 986.2 |
| #2 | 233.5 | 41.73 | 12950. | 428.0 | 989.7 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6971. | 34.75 | 838.0 | 1482. |
| Stddev | 7. | .30 | .8 | . |
| %RSD | .0987 | .8717 | .0921 | .0137 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 6976. | 34.53 | 838.5 | 1482. |
| #2 | 6966. | 34.96 | 837.4 | 1482. |

Check ? Value Range
 None None None None

Sample Name: 828897MS Acquired: 5/27/2010 19:24:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 {91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 398.87 | 4218.1 | 4403.5 | 5166.8 |
| Stddev | .05 | 1.6 | 4.1 | 32.6 |
| %RSD | .01240 | .03779 | .09299 | .63014 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 398.83 | 4217.0 | 4400.6 | 5189.8 |
| #2 | 398.90 | 4219.3 | 4406.4 | 5143.8 |

Sample Name: 828897DP Acquired: 5/27/2010 19:28:08 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.781 | 84600. | 39.70 | 2.649 | 803.0 |
| Stddev | .764 | 13. | 1.65 | .007 | 5.2 |
| %RSD | 42.91 | .0150 | 4.165 | .2524 | .6499 |
| #1 | -1.241 | 84590. | 40.87 | 2.644 | 799.3 |
| #2 | -2.322 | 84610. | 38.53 | 2.653 | 806.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.85 | 94940. | 6.321 | 86.43 | 354.6 |
| Stddev | .32 | 87. | .127 | .02 | .8 |
| %RSD | 2.701 | .0921 | 2.007 | .0272 | .2280 |
| #1 | 11.62 | 94880. | 6.411 | 86.45 | 355.2 |
| #2 | 12.07 | 95000. | 6.232 | 86.41 | 354.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828897DP Acquired: 5/27/2010 19:28:08 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 985.4 | 181200. | 32800. | 67670. | 5913. |
| Stddev | .8 | 172. | 94. | 126. | 16. |
| %RSD | .0815 | .0949 | .2865 | .1864 | .2786 |
| #1 | 986.0 | 181400. | 32730. | 67580. | 5902. |
| #2 | 984.8 | 181100. | 32860. | 67760. | 5925. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1886. | 1085. | 239.4 | 7224. | 522.1 |
| Stddev | . | 12. | .2 | 1. | 3.5 |
| %RSD | .0106 | 1.066 | .0761 | .0141 | .6790 |
| #1 | 1886. | 1093. | 239.5 | 7223. | 524.6 |
| #2 | 1886. | 1076. | 239.3 | 7225. | 519.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828897DP Acquired: 5/27/2010 19:28:08 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.437 | .8759 | 9574. | -3.714 | 635.3 |
| Stddev | 1.458 | .6777 | 36. | .029 | 1.0 |
| %RSD | 19.60 | 77.37 | .3800 | .7781 | .1509 |
| #1 | -8.468 | 1.355 | 9600. | -3.735 | 634.7 |
| #2 | -6.406 | .3967 | 9549. | -3.694 | 636.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 5994. | -16.40 | 378.6 | 999.7 | |
| Stddev | 3. | 1.11 | .4 | .2 | |
| %RSD | .0422 | 6.740 | .0970 | .0234 | |
| #1 | 5995. | -17.18 | 378.9 | 999.9 | |
| #2 | 5992. | -15.62 | 378.3 | 999.6 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828897DP Acquired: 5/27/2010 19:28:08 Type: Unk
Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 405.40 | 4228.3 | 4445.8 | 5212.4 |
| Stddev | 1.25 | .1 | 1.3 | 12.7 |
| %RSD | .30728 | .00194 | .02998 | .24318 |
| #1 | 406.29 | 4228.4 | 4444.8 | 5221.4 |
| #2 | 404.52 | 4228.3 | 4446.7 | 5203.5 |

Sample Name: 828898 Acquired: 5/27/2010 19:32:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3477 | 102300. | 56.61 | 20.74 | 464.4 |
| Stddev | 1.088 | 834. | 1.66 | .71 | 7.3 |
| %RSD | 312.9 | .8151 | 2.939 | 3.408 | 1.575 |

#1 -1.117 102900. 55.44 21.24 469.6
 #2 .4216 101700. 57.79 20.24 459.3

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.489 | 65860. | 4.402 | 70.29 | 211.8 |
| Stddev | .259 | 624. | .085 | .20 | .2 |
| %RSD | 2.729 | .9467 | 1.941 | .2822 | .0824 |

#1 9.672 66310. 4.341 70.43 211.7
 #2 9.306 65420. 4.462 70.15 212.0

Check ? None None None None None
 Value
 Range

Sample Name: 828898 Acquired: 5/27/2010 19:32:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 362.1 | 185600. | 20800. | 61620. | 5442. |
| Stddev | 1.7 | 626. | 151. | 730. | 77. |
| %RSD | .4811 | .3372 | .7254 | 1.184 | 1.417 |

#1 363.3 186000. 20910. 62140. 5497.
 #2 360.9 185100. 20700. 61110. 5388.

Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 263.0 | 670.8 | 174.8 | 5557. | 261.8 |
| Stddev | .3 | 1.2 | 1.2 | 11. | 2.7 |
| %RSD | .1219 | .1862 | .6678 | .1916 | 1.034 |

#1 263.2 671.6 175.6 5564. 263.7
 #2 262.8 669.9 173.9 5549. 259.9

Check ? None None None None None
 Value
 Range

Sample Name: 828898 Acquired: 5/27/2010 19:32:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.655 | -4.968 | 5555. | 4.332 | 284.4 |
| Stddev | .784 | 5.406 | 73. | .051 | 2.1 |
| %RSD | 9.056 | 108.8 | 1.319 | 1.178 | .7423 |

#1 -9.209 -8.791 5607. 4.296 285.9
 #2 -8.101 -1.145 5503. 4.368 282.9

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3504. | -14.37 | 293.0 | 877.7 |
| Stddev | 8. | 1.46 | 1.2 | 1.2 |
| %RSD | .2227 | 10.18 | .4206 | .1365 |

#1 3509. -13.33 293.8 878.5
 #2 3498. -15.40 292.1 876.8

Check ? None None None None
 Value
 Range

Sample Name: 828898 Acquired: 5/27/2010 19:32:08 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 418.83 | 4230.7 | 4459.4 | 5186.0 |
| Stddev | .88 | 16.7 | 5.6 | 43.3 |
| %RSD | .21042 | .39476 | .12652 | .83505 |

#1 418.20 4218.8 4455.5 5155.4
 #2 419.45 4242.5 4463.4 5216.6

Sample Name: 828899 Acquired: 5/27/2010 19:36:03 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.647 | 90980. | 71.92 | -4.878 | 410.8 |
| Stddev | .671 | 585. | .02 | 1.025 | 2.4 |
| %RSD | 40.74 | .6435 | .0315 | 21.02 | .5816 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | 1.173 | 90570. | 71.91 | -4.152 | 412.5 |
| #2 | 2.122 | 91400. | 71.94 | -5.603 | 409.1 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.63 | 180000. | 13.67 | 76.45 | 299.8 |
| Stddev | .12 | 928. | .13 | .44 | .5 |
| %RSD | 1.082 | .5154 | .9142 | .5753 | .1589 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 10.71 | 179400. | 13.59 | 76.76 | 300.1 |
| #2 | 10.55 | 180700. | 13.76 | 76.14 | 299.4 |

Check ? Value Range
 None None None None None

Sample Name: 828899 Acquired: 5/27/2010 19:36:03 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1183. | 208400. | 25110. | 82440. | 13220. |
| Stddev | 6. | 988. | 144. | 541. | 6. |
| %RSD | .5101 | .4741 | .5739 | .6566 | .0430 |

| | | | | | |
|----|-------|---------|--------|--------|--------|
| #1 | 1187. | 209100. | 25000. | 82060. | 13220. |
| #2 | 1179. | 207700. | 25210. | 82820. | 13210. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1639. | 1677. | 196.8 | 8148. | 580.8 |
| Stddev | 4. | 47. | 1.2 | 18. | 5.0 |
| %RSD | .2397 | 2.825 | .5848 | .2180 | .8692 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1637. | 1644. | 197.6 | 8160. | 584.3 |
| #2 | 1642. | 1711. | 196.0 | 8135. | 577.2 |

Check ? Value Range
 None None None None None

Sample Name: 828899 Acquired: 5/27/2010 19:36:03 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.609 | -4.182 | 14550. | 4.916 | 546.1 |
| Stddev | .933 | 3.545 | 31. | .703 | 9.3 |
| %RSD | 9.705 | 84.78 | .2098 | 14.30 | 1.697 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | -8.950 | -6.689 | 14530. | 5.413 | 539.6 |
| #2 | -10.27 | -1.675 | 14570. | 4.419 | 552.7 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4262. | -33.24 | 388.0 | 1961. |
| Stddev | 3. | .26 | 1.3 | 5. |
| %RSD | .0730 | .7698 | .3410 | .2623 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 4260. | -33.42 | 388.9 | 1964. |
| #2 | 4264. | -33.06 | 387.0 | 1957. |

Check ? Value Range
 None None None None

Sample Name: 828899 Acquired: 5/27/2010 19:36:03 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y.-HWAX | Y.-LWAX | Y.-HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 411.25 | 4308.8 | 4507.0 | 5342.8 |
| Stddev | 2.92 | 19.0 | 7.7 | 37.0 |
| %RSD | .71112 | .44060 | .17016 | .69218 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.18 | 4295.4 | 4501.6 | 5369.0 |
| #2 | 413.32 | 4322.2 | 4512.5 | 5316.7 |

Sample Name: 828900 Acquired: 5/27/2010 19:40:04 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.978 | 105400. | 63.94 | 14.51 | 504.3 |
| Stddev | .470 | 332. | 3.63 | .41 | 8.9 |
| %RSD | 23.78 | .3147 | 5.678 | 2.822 | 1.762 |
| #1 | 1.646 | 105200. | 66.51 | 14.80 | 498.1 |
| #2 | 2.311 | 105700. | 61.37 | 14.22 | 510.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.30 | 85480. | 8.503 | 84.24 | 273.7 |
| Stddev | .14 | 349. | .151 | .52 | .3 |
| %RSD | 1.341 | .4077 | 1.778 | .6141 | .1043 |
| #1 | 10.40 | 85230. | 8.396 | 84.61 | 273.9 |
| #2 | 10.21 | 85730. | 8.610 | 83.88 | 273.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828900 Acquired: 5/27/2010 19:40:04 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 650.3 | 213600. | 23150. | 68650. | 7647. |
| Stddev | 1.8 | 531. | 45. | 198. | 9. |
| %RSD | .2806 | .2486 | .1957 | .2887 | .1187 |
| #1 | 651.6 | 214000. | 23180. | 68510. | 7640. |
| #2 | 649.0 | 213200. | 23120. | 68790. | 7653. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 783.2 | 756.8 | 200.4 | 6614. | 533.7 |
| Stddev | 1.7 | 18.3 | .3 | 4. | .6 |
| %RSD | .2127 | 2.413 | .1471 | .0590 | .1125 |
| #1 | 784.3 | 769.7 | 200.2 | 6617. | 534.1 |
| #2 | 782.0 | 743.9 | 200.6 | 6612. | 533.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828900 Acquired: 5/27/2010 19:40:04 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -11.59 | -4.946 | 5528. | 1.687 | 491.5 |
| Stddev | 2.54 | 1.854 | 35. | 592 | 7.4 |
| %RSD | 21.92 | 37.48 | .6381 | 35.10 | 1.514 |
| #1 | -9.791 | -3.635 | 5553. | 2.106 | 486.2 |
| #2 | -13.38 | -6.257 | 5503. | 1.268 | 496.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 4133. | -19.43 | 364.3 | 1370. | |
| Stddev | 8. | .62 | 1.2 | 1. | |
| %RSD | .1905 | 3.205 | .3316 | .0752 | |
| #1 | 4138. | -18.99 | 365.1 | 1371. | |
| #2 | 4127. | -19.87 | 363.4 | 1369. | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828900 Acquired: 5/27/2010 19:40:04 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 420.50 | 4270.4 | 4506.0 | 5260.6 |
| Stddev | 2.15 | 16.6 | 17.9 | 10.0 |
| %RSD | .51066 | .38885 | .39620 | .19068 |
| #1 | 418.98 | 4258.7 | 4493.4 | 5267.7 |
| #2 | 422.01 | 4282.2 | 4518.7 | 5253.5 |

Sample Name: CCV Acquired: 5/27/2010 19:44:04 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.31 | 29940. | 99.68 | 713.8 | 204.2 |
| Stddev | .45 | 67. | 3.02 | .7 | .9 |
| %RSD | .4715 | .2246 | 3.026 | .1048 | .4574 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 95.99 | 29990. | 97.55 | 713.2 | 203.5 |
| #2 | 96.63 | 29890. | 101.8 | 714.3 | 204.9 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.76 | 29670. | 97.35 | 190.8 | 195.0 |
| Stddev | .20 | 129. | .31 | .3 | .1 |
| %RSD | .2054 | .4353 | .3198 | .1368 | .0487 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 99.62 | 29760. | 97.57 | 190.6 | 195.1 |
| #2 | 99.91 | 29580. | 97.13 | 191.0 | 194.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 19:44:04 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 186.4 | 30110. | 29800. | 29950. | 191.2 |
| Stddev | .7 | 80. | 85. | 215. | .5 |
| %RSD | .3526 | .2668 | .2857 | .7187 | .2843 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 186.9 | 30170. | 29860. | 30100. | 191.6 |
| #2 | 185.9 | 30060. | 29740. | 29800. | 190.8 |

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 201.9 | 29990. | 187.2 | 203.4 | 402.1 |
| Stddev | .0 | 56. | .3 | 1.6 | 1.3 |
| %RSD | .0175 | .1873 | .1789 | .7804 | .3251 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 201.8 | 30030. | 187.4 | 202.3 | 401.2 |
| #2 | 201.9 | 29950. | 187.0 | 204.5 | 403.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 19:44:04 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 292.8 | 99.87 | 1011. | 193.4 | 294.5 |
| Stddev | 1.0 | 1.45 | 5. | .7 | 1.6 |
| %RSD | .3566 | 1.450 | .4707 | .3743 | .5265 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 293.5 | 100.9 | 1014. | 192.9 | 295.6 |
| #2 | 292.0 | 98.84 | 1007. | 193.9 | 293.4 |

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 397.2 | 100.7 | 199.6 | 198.8 |
| Stddev | .5 | 1.4 | .5 | .1 |
| %RSD | .1301 | 1.371 | .2464 | .0687 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 397.5 | 99.73 | 199.9 | 198.7 |
| #2 | 396.8 | 101.7 | 199.2 | 198.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/27/2010 19:44:04 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y.-HWAX | Y.-LWAX | Y.-HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 426.38 | 3952.0 | 4181.4 | 4815.9 |
| Stddev | 3.11 | 3.8 | 13.8 | 37.9 |
| %RSD | .72955 | .09727 | .33042 | .78676 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 424.18 | 3949.3 | 4171.6 | 4789.1 |
| #2 | 428.58 | 3954.7 | 4191.1 | 4842.7 |

Sample Name: CCB Acquired: 5/27/2010 19:47:53 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.225 | 1.323 | 1.979 | 1.900 | 1.037 |
| Stddev | .312 | 40.05 | 1.641 | .221 | 3.241 |
| %RSD | 25.50 | 3026. | 82.94 | 11.63 | 312.6 |
| #1 | -1.446 | 29.64 | 3.139 | 1.744 | 3.328 |
| #2 | -1.004 | -26.99 | .8182 | 2.057 | -1.255 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2438 | -16.70 | .0921 | .3742 | -.1007 |
| Stddev | .0037 | 47.82 | .3967 | .2688 | .0045 |
| %RSD | 1.508 | 286.4 | 430.6 | 71.82 | 4.438 |
| #1 | .2412 | -50.52 | .3726 | .5643 | -.1039 |
| #2 | .2464 | 17.12 | -.1884 | .1842 | -.0976 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/27/2010 19:47:53 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3235 | 5.340 | 71.08 | -24.61 | .1059 |
| Stddev | .0160 | 14.99 | 63.41 | 30.12 | .0624 |
| %RSD | 4.953 | 280.6 | 89.21 | 122.4 | 58.97 |
| #1 | .3348 | 15.94 | 115.9 | -45.91 | .1500 |
| #2 | .3121 | -5.256 | 26.24 | -3.317 | .0617 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.547 | 15.33 | .1765 | .1917 | -1.348 |
| Stddev | .033 | 56.41 | .6968 | .2304 | .370 |
| %RSD | 2.102 | 367.9 | 394.7 | 120.1 | 27.47 |
| #1 | 1.570 | -24.56 | -.3162 | .3546 | -1.610 |
| #2 | 1.524 | 55.22 | .6693 | .0288 | -1.086 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/27/2010 19:47:53 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4843 | .5064 | -1.535 | -.6058 | -.0334 |
| Stddev | .2170 | 1.967 | 2.057 | .1143 | .0034 |
| %RSD | 44.81 | 388.5 | 134.0 | 18.87 | 10.07 |
| #1 | -.3309 | 1.897 | -.0803 | -.6867 | -.0358 |
| #2 | -.6378 | -.8848 | -2.989 | -.5250 | -.0311 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .4751 | .2067 | .3020 | .0480 |
| Stddev | .0295 | .4770 | .7640 | .1294 |
| %RSD | 6.215 | 230.7 | 253.0 | 269.6 |
| #1 | .4542 | -.1305 | .8423 | -.0435 |
| #2 | .4959 | .5440 | -.2382 | .1395 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/27/2010 19:47:53 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 460.51 | 4023.9 | 4225.1 | 4788.5 |
| Stddev | 2.02 | 34.3 | 22.2 | 9.3 |
| %RSD | .43925 | .85312 | .52448 | .19455 |
| #1 | 461.94 | 4048.1 | 4240.8 | 4795.1 |
| #2 | 459.08 | 3999.6 | 4209.4 | 4781.9 |

Check ?
 High Limit
 Low Limit

Sample Name: 828901 Acquired: 5/27/2010 19:51:47 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.607 | 113800. | 87.06 | .7036 | 555.9 |
| Stddev | .018 | .235 | 1.47 | 1.076 | 4.3 |
| %RSD | .2784 | .2061 | 1.689 | 152.9 | .7755 |

| | | | | | |
|----|-------|---------|-------|--------|-------|
| #1 | 6.620 | 113600. | 88.10 | -.0571 | 552.9 |
| #2 | 6.594 | 114000. | 86.02 | 1.464 | 559.0 |

Check ? Value Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.20 | 145800. | 15.32 | 100.1 | 379.0 |
| Stddev | .37 | 210. | .04 | .6 | .2 |
| %RSD | 2.836 | .1438 | .2611 | .6322 | .0419 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 13.47 | 146000. | 15.35 | 100.5 | 378.9 |
| #2 | 12.94 | 145700. | 15.30 | 99.61 | 379.1 |

Check ? Value Range

Sample Name: 828901 Acquired: 5/27/2010 19:51:47 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1332. | 254900. | 30650. | 93290. | 13180. |
| Stddev | 3. | 413. | 180. | 233. | 4. |
| %RSD | .1982 | .1620 | .5865 | .2496 | .0302 |

| | | | | | |
|----|-------|---------|--------|--------|--------|
| #1 | 1333. | 255200. | 30780. | 93120. | 13190. |
| #2 | 1330. | 254600. | 30520. | 93450. | 13180. |

Check ? Value Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1654. | 1514. | 259.5 | 9355. | 574.8 |
| Stddev | 4. | 1. | .4 | 2. | 3.0 |
| %RSD | .2285 | .0971 | .1596 | .0242 | .5239 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1652. | 1513. | 259.8 | 9357. | 572.7 |
| #2 | 1657. | 1515. | 259.2 | 9353. | 576.9 |

Check ? Value Range

Sample Name: 828901 Acquired: 5/27/2010 19:51:47 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -12.27 | -6.641 | 13210. | 2.679 | 338.0 |
| Stddev | .35 | 3.260 | 66. | .450 | .5 |
| %RSD | 2.839 | 49.09 | .4965 | 16.80 | .1409 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | -12.52 | -8.947 | 13160. | 2.360 | 338.3 |
| #2 | -12.02 | -4.336 | 13250. | 2.997 | 337.6 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5417. | -32.22 | 460.5 | 2215. |
| Stddev | 42. | 3.65 | .8 | . |
| %RSD | .7826 | 11.33 | .1803 | .0113 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 5447. | -29.64 | 461.1 | 2216. |
| #2 | 5387. | -34.80 | 459.9 | 2215. |

Check ? Value Range

Sample Name: 828901 Acquired: 5/27/2010 19:51:47 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 408.42 | 4364.8 | 4571.9 | 5407.0 |
| Stddev | 1.65 | 25.9 | 5.5 | .4 |
| %RSD | .40328 | .59436 | .11983 | .00699 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.59 | 4346.4 | 4568.0 | 5407.3 |
| #2 | 407.26 | 4383.1 | 4575.7 | 5406.7 |

Sample Name: 828902 Acquired: 5/27/2010 19:55:47 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.801 | 112700. | 51.04 | 16.77 | 611.7 |
| Stddev | .043 | 436. | 4.44 | .88 | 2.0 |
| %RSD | 1.522 | .3871 | 8.696 | 5.257 | .3315 |

#1 -2.771 112400. 54.18 16.15 610.3
 #2 -2.831 113100. 47.91 17.39 613.2

Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.848 | 72620. | 6.879 | 82.76 | 292.6 |
| Stddev | .076 | 134. | .034 | .24 | .2 |
| %RSD | .7770 | .1844 | .4900 | .2859 | .0691 |

#1 9.902 72530. 6.903 82.59 292.8
 #2 9.794 72720. 6.855 82.93 292.5

Check ? None None None None None
 Value
 Range

Sample Name: 828902 Acquired: 5/27/2010 19:55:47 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 588.4 | 205000. | 23140. | 68990. | 6352. |
| Stddev | 2.8 | 821. | 13. | 50. | 6. |
| %RSD | .4806 | .4005 | .0556 | .0727 | .1013 |

#1 590.4 205600. 23150. 68950. 6347.
 #2 586.4 204400. 23130. 69020. 6356.

Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 444.8 | 734.2 | 214.7 | 6286. | 510.2 |
| Stddev | .7 | 11.5 | .3 | 8. | 2.8 |
| %RSD | .1554 | 1.561 | .1303 | .1211 | .5576 |

#1 444.3 726.1 214.5 6292. 508.2
 #2 445.2 742.3 214.9 6281. 512.2

Check ? None None None None None
 Value
 Range

Sample Name: 828902 Acquired: 5/27/2010 19:55:47 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -13.29 | -4.959 | 5203. | 2.466 | 330.4 |
| Stddev | .90 | 2.303 | 69. | .247 | .4 |
| %RSD | 6.759 | 46.43 | 1.318 | 10.01 | .1167 |

#1 -13.93 -6.587 5252. 2.291 330.1
 #2 -12.66 -3.331 5155. 2.640 330.7

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4202. | -15.26 | 360.4 | 1091. |
| Stddev | 11. | 2.04 | 1.7 | . |
| %RSD | .2639 | 13.35 | .4599 | .0151 |

#1 4210. -13.82 361.6 1091.
 #2 4194. -16.70 359.3 1091.

Check ? None None None None
 Value
 Range

Sample Name: 828902 Acquired: 5/27/2010 19:55:47 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 417.08 | 4239.1 | 4453.2 | 5154.6 |
| Stddev | 2.38 | 2.0 | 9.1 | 4.6 |
| %RSD | .57006 | .04728 | .20383 | .08949 |

#1 418.76 4237.7 4446.8 5157.8
 #2 415.40 4240.5 4459.6 5151.3

Sample Name: 828903 Acquired: 5/27/2010 19:59:48 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5553 | 109600. | 54.90 | -4.041 | 873.6 |
| Stddev | .2681 | 657. | .67 | .870 | 8.8 |
| %RSD | 48.27 | .5997 | 1.222 | 21.52 | 1.007 |
| #1 | -.7449 | 109100. | 55.37 | -3.426 | 867.4 |
| #2 | -.3658 | 110100. | 54.42 | -4.656 | 879.9 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 14.75 | 114300. | 13.38 | 97.23 | 498.7 |
| Stddev | .06 | 804. | .22 | .06 | .2 |
| %RSD | .4321 | .7031 | 1.606 | .0620 | .0500 |
| #1 | 14.70 | 113700. | 13.54 | 97.19 | 498.9 |
| #2 | 14.79 | 114900. | 13.23 | 97.27 | 498.5 |

Check ? Value Range
 None None None None None

Sample Name: 828903 Acquired: 5/27/2010 19:59:48 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1408. | 225400. | 44230. | 97970. | 10330. |
| Stddev | 4. | 138. | 213. | 448. | 15. |
| %RSD | .2526 | .0612 | .4817 | .4570 | .1458 |
| #1 | 1410. | 225300. | 44080. | 97660. | 10320. |
| #2 | 1405. | 225500. | 44380. | 98290. | 10340. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1679. | 1861. | 312.0 | 10050. | 363.7 |
| Stddev | . | 15. | 1.2 | 16. | .7 |
| %RSD | .0216 | .7853 | .3831 | .1552 | .1927 |
| #1 | 1679. | 1851. | 311.2 | 10060. | 363.2 |
| #2 | 1679. | 1871. | 312.9 | 10040. | 364.2 |

Check ? Value Range
 None None None None None

Sample Name: 828903 Acquired: 5/27/2010 19:59:48 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -15.48 | -3.902 | 10740. | -4.490 | 298.4 |
| Stddev | 2.33 | .912 | 61. | .556 | .2 |
| %RSD | 15.03 | 23.36 | .5652 | 12.38 | .0598 |
| #1 | -13.84 | -4.547 | 10790. | -4.097 | 298.2 |
| #2 | -17.13 | -3.257 | 10700. | -4.883 | 298.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7943. | -27.20 | 503.8 | 1926. |
| Stddev | 11. | .28 | .8 | 1. |
| %RSD | .1373 | 1.035 | .1596 | .0618 |
| #1 | 7951. | -27.40 | 503.2 | 1926. |
| #2 | 7935. | -27.00 | 504.4 | 1925. |

Check ? Value Range
 None None None None

Sample Name: 828903 Acquired: 5/27/2010 19:59:48 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y HWAX | Y_LWAX | Y HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 400.53 | 4302.5 | 4504.4 | 5276.3 |
| Stddev | 1.58 | 12.5 | 7.2 | 38.9 |
| %RSD | .39466 | .29092 | .16046 | .73807 |
| #1 | 401.65 | 4311.3 | 4509.5 | 5303.8 |
| #2 | 399.41 | 4293.6 | 4499.3 | 5248.8 |

Sample Name: 828904 Acquired: 5/27/2010 20:03:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.729 | 81710. | 30.44 | 12.91 | 411.9 |
| Stddev | 1.027 | 130. | 1.85 | 1.38 | 6.8 |
| %RSD | 59.37 | .1589 | 6.080 | 10.71 | 1.663 |
| #1 | -1.003 | 81610. | 29.13 | 11.93 | 416.7 |
| #2 | -2.456 | 81800. | 31.75 | 13.88 | 407.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.168 | 42160. | 3.151 | 54.06 | 186.0 |
| Stddev | .059 | 143. | .238 | .19 | .1 |
| %RSD | .8271 | .3400 | 7.571 | .3560 | .0731 |
| #1 | 7.126 | 42260. | 3.320 | 53.93 | 185.9 |
| #2 | 7.210 | 42060. | 2.982 | 54.20 | 186.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828904 Acquired: 5/27/2010 20:03:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 276.2 | 132100. | 16610. | 46830. | 3624. |
| Stddev | .6 | 748. | 173. | 16. | 6. |
| %RSD | .2180 | .5661 | 1.043 | .0346 | .1711 |
| #1 | 275.8 | 132700. | 16730. | 46840. | 3629. |
| #2 | 276.6 | 131600. | 16490. | 46820. | 3620. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 301.1 | 495.3 | 143.9 | 3978. | 208.5 |
| Stddev | .3 | 7.2 | .1 | 20. | .4 |
| %RSD | .0867 | 1.454 | .0607 | .4925 | .1957 |
| #1 | 301.3 | 500.4 | 144.0 | 3992. | 208.2 |
| #2 | 300.9 | 490.2 | 143.9 | 3964. | 208.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828904 Acquired: 5/27/2010 20:03:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.778 | -3.634 | 7171. | 3.009 | 269.4 |
| Stddev | 1.742 | .674 | 107. | .579 | .9 |
| %RSD | 25.70 | 18.54 | 1.488 | 19.22 | .3398 |
| #1 | -8.009 | -4.110 | 7246. | 3.418 | 268.7 |
| #2 | -5.546 | -3.157 | 7095. | 2.600 | 270.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 2639. | -11.69 | 219.1 | 628.0 | |
| Stddev | 4. | 1.26 | .6 | 1.7 | |
| %RSD | .1434 | 10.76 | .2626 | .2776 | |
| #1 | 2641. | -10.80 | 218.7 | 629.3 | |
| #2 | 2636. | -12.58 | 219.5 | 626.8 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828904 Acquired: 5/27/2010 20:03:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 416.14 | 4090.7 | 4310.9 | 4924.6 |
| Stddev | .08 | 15.3 | 12.5 | 2.9 |
| %RSD | .01924 | .37290 | .29089 | .05842 |
| #1 | 416.08 | 4079.9 | 4302.0 | 4926.6 |
| #2 | 416.20 | 4101.4 | 4319.7 | 4922.6 |

Sample Name: 828905 Acquired: 5/27/2010 20:07:46 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.776 | 139900. | 57.32 | 36.03 | 1741. |
| Stddev | .755 | 336. | 2.62 | .09 | 10. |
| %RSD | 15.81 | 2398 | 4.575 | .2526 | .5573 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -4.242 | 139700. | 55.47 | 35.97 | 1734. |
| #2 | -5.310 | 140200. | 59.17 | 36.09 | 1747. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.850 | 60250. | 2.091 | 74.77 | 128.3 |
| Stddev | .119 | 137. | .046 | .22 | .2 |
| %RSD | 1.209 | 2278 | 2.218 | .2948 | .1284 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 9.766 | 60160. | 2.124 | 74.93 | 128.1 |
| #2 | 9.935 | 60350. | 2.059 | 74.62 | 128.4 |

Check ? Value Range
 None None None None None

Sample Name: 828905 Acquired: 5/27/2010 20:07:46 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 144.2 | 172400. | 20120. | 42050. | 4858. |
| Stddev | .7 | 234. | 151. | 201. | 18. |
| %RSD | .4961 | .1358 | .7505 | .4776 | .3679 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 143.6 | 172200. | 20020. | 41900. | 4871. |
| #2 | 144.7 | 172600. | 20230. | 42190. | 4846. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 33.34 | 1197. | 104.9 | 4301. | 157.2 |
| Stddev | .14 | 15. | .9 | 1. | 5.8 |
| %RSD | .4086 | 1.279 | .8631 | .0177 | 3.691 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 33.44 | 1186. | 104.3 | 4301. | 153.1 |
| #2 | 33.25 | 1208. | 105.6 | 4300. | 161.3 |

Check ? Value Range
 None None None None None

Sample Name: 828905 Acquired: 5/27/2010 20:07:46 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -11.47 | -4.063 | 4901. | 6.827 | 533.4 |
| Stddev | 1.32 | .788 | 29. | .459 | 7.6 |
| %RSD | 11.52 | 19.38 | .5909 | 6.723 | 1.421 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -10.54 | -3.506 | 4881. | 7.151 | 528.1 |
| #2 | -12.41 | -4.620 | 4922. | 6.502 | 538.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2625. | -13.86 | 307.5 | 458.6 |
| Stddev | 3. | 1.68 | .4 | .3 |
| %RSD | .1208 | 12.09 | .1313 | .0621 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2627. | -15.04 | 307.8 | 458.4 |
| #2 | 2623. | -12.68 | 307.2 | 458.8 |

Check ? Value Range
 None None None None

Sample Name: 828905 Acquired: 5/27/2010 20:07:46 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 405.65 | 4314.1 | 4545.1 | 5198.0 |
| Stddev | 1.20 | 7.2 | 13.0 | 23.0 |
| %RSD | .29694 | .16759 | .28661 | .44329 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 406.50 | 4319.2 | 4535.9 | 5214.3 |
| #2 | 404.80 | 4309.0 | 4554.3 | 5181.7 |

Sample Name: 828906 Acquired: 5/27/2010 20:11:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.343 | 156400. | 59.81 | 44.98 | 2232. |
| Stddev | .278 | 458. | .36 | .13 | 1. |
| %RSD | 6.408 | .2931 | .6055 | .2837 | .0382 |
| #1 | -4.147 | 156000. | 59.55 | 45.07 | 2232. |
| #2 | -4.540 | 156700. | 60.06 | 44.89 | 2233. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.23 | 225300. | 1.653 | 74.31 | 135.9 |
| Stddev | .03 | 767. | .208 | .25 | .1 |
| %RSD | .2851 | .3402 | 12.58 | .3415 | .0979 |
| #1 | 10.21 | 224800. | 1.800 | 74.49 | 135.8 |
| #2 | 10.25 | 225900. | 1.506 | 74.13 | 135.9 |

Check ? Value Range
 None None None None None

Sample Name: 828906 Acquired: 5/27/2010 20:11:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 140.2 | 183500. | 20610. | 53350. | 4464. |
| Stddev | .6 | 23. | 79. | 100. | 24. |
| %RSD | .4118 | .0124 | .3819 | .1876 | .5484 |
| #1 | 140.6 | 183500. | 20550. | 53280. | 4447. |
| #2 | 139.8 | 183600. | 20660. | 53420. | 4481. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.57 | 1673. | 110.6 | 5170. | 146.0 |
| Stddev | .14 | 28. | .2 | 2. | 1.3 |
| %RSD | .6843 | 1.696 | .1952 | .0360 | .9109 |
| #1 | 20.67 | 1693. | 110.4 | 5172. | 146.9 |
| #2 | 20.47 | 1653. | 110.7 | 5169. | 145.0 |

Check ? Value Range
 None None None None None

Sample Name: 828906 Acquired: 5/27/2010 20:11:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -11.10 | -2.243 | 8892. | 7.089 | 934.2 |
| Stddev | 1.90 | 986 | 56. | .577 | 4.6 |
| %RSD | 17.08 | 43.99 | .6346 | 8.137 | .4899 |
| #1 | -9.763 | -2.940 | 8932. | 7.497 | 931.0 |
| #2 | -12.44 | -1.545 | 8852. | 6.681 | 937.4 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2860. | -12.15 | 362.8 | 469.4 |
| Stddev | 10. | .38 | .1 | 1.4 |
| %RSD | .3414 | 3.160 | .0145 | .3036 |
| #1 | 2867. | -12.42 | 362.8 | 468.4 |
| #2 | 2853. | -11.87 | 362.8 | 470.4 |

Check ? Value Range
 None None None None

Sample Name: 828906 Acquired: 5/27/2010 20:11:49 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 392.89 | 4249.6 | 4475.6 | 5167.7 |
| Stddev | 1.14 | 19.7 | 6.4 | 48.0 |
| %RSD | .29108 | .46424 | .14208 | .92799 |
| #1 | 393.70 | 4263.6 | 4480.1 | 5201.6 |
| #2 | 392.08 | 4235.7 | 4471.1 | 5133.8 |

Sample Name: 828907 Acquired: 5/27/2010 20:15:50 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.344 | 119200. | 54.54 | 43.17 | 2171. |
| Stddev | .043 | 186. | 1.57 | .13 | 25. |
| %RSD | 1.289 | .1560 | 2.874 | .2904 | 1.134 |
| #1 | -3.375 | 119400. | 55.65 | 43.26 | 2154. |
| #2 | -3.314 | 119100. | 53.43 | 43.08 | 2189. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.253 | 460900. | 3.194 | 50.96 | 171.7 |
| Stddev | .078 | 2017. | .408 | .20 | .1 |
| %RSD | .8416 | .4376 | 12.78 | .3915 | .0372 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 9.198 | 462300. | 3.483 | 50.82 | 171.8 |
| #2 | 9.308 | 459500. | 2.905 | 51.10 | 171.7 |

Check ? Value Range
 None None None None None

Sample Name: 828907 Acquired: 5/27/2010 20:15:50 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 298.3 | 131400. | 22690. | 63870. | 3755. |
| Stddev | 1.1 | 4. | 8. | 174. | 16. |
| %RSD | .3576 | .0033 | .0361 | .2727 | .4329 |
| #1 | 299.1 | 131400. | 22690. | 63990. | 3743. |
| #2 | 297.6 | 131400. | 22700. | 63750. | 3766. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 554.7 | 1099. | 114.8 | 4964. | 264.2 |
| Stddev | 1.0 | 14. | .0 | 5. | .7 |
| %RSD | .1721 | 1.277 | .0214 | .0911 | .2688 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 554.0 | 1109. | 114.8 | 4967. | 264.7 |
| #2 | 555.4 | 1090. | 114.8 | 4961. | 263.7 |

Check ? Value Range
 None None None None None

Sample Name: 828907 Acquired: 5/27/2010 20:15:50 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.452 | -6428 | 7577. | .8621 | 1182. |
| Stddev | .599 | .5664 | 76. | 1.307 | 3. |
| %RSD | 8.032 | 88.12 | 1.001 | 151.7 | .2518 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -7.029 | -.2423 | 7631. | 1.786 | 1179. |
| #2 | -7.875 | -1.043 | 7523. | -.0624 | 1184. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3404. | -8.297 | 332.0 | 607.5 |
| Stddev | 9. | .771 | 1.2 | .2 |
| %RSD | .2538 | 9.289 | .3654 | .0315 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3410. | -8.842 | 332.9 | 607.6 |
| #2 | 3398. | -7.752 | 331.1 | 607.3 |

Check ? Value Range
 None None None None

Sample Name: 828907 Acquired: 5/27/2010 20:15:50 Type: Unk
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 376.39 | 3958.2 | 4160.1 | 4856.4 |
| Stddev | 2.41 | 5.6 | 18.6 | 26.5 |
| %RSD | .64157 | .14181 | .44715 | .54619 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 374.68 | 3954.2 | 4147.0 | 4837.6 |
| #2 | 378.10 | 3962.2 | 4173.3 | 4875.1 |

Sample Name: CCV Acquired: 5/27/2010 20:19:52 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.17 | 30190. | 101.8 | 711.1 | 191.1 |
| Stddev | .53 | 62. | 1.6 | 1.5 | 5.0 |
| %RSD | .5475 | .2040 | 1.557 | .2177 | 2.615 |
| #1 | 96.54 | 30230. | 100.7 | 710.0 | 194.6 |
| #2 | 95.79 | 30140. | 102.9 | 712.2 | 187.6 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.86 | 29670. | 97.54 | 190.6 | 195.3 |
| Stddev | .51 | 80. | .05 | .7 | .1 |
| %RSD | .5107 | .2705 | .0524 | .3921 | .0331 |
| #1 | 100.2 | 29730. | 97.57 | 191.2 | 195.4 |
| #2 | 99.50 | 29610. | 97.50 | 190.1 | 195.3 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 20:19:52 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 185.2 | 30060. | 29970. | 30000. | 190.7 |
| Stddev | .2 | 52. | 14. | 317. | .6 |
| %RSD | .1071 | .1730 | .0474 | 1.057 | .3291 |
| #1 | 185.1 | 30090. | 29980. | 30220. | 191.1 |
| #2 | 185.3 | 30020. | 29960. | 29770. | 190.2 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.8 | 30180. | 187.1 | 205.3 | 402.5 |
| Stddev | .5 | 156. | .6 | .9 | 3.2 |
| %RSD | .2384 | .5157 | .3247 | .4310 | .7830 |
| #1 | 200.1 | 30290. | 187.5 | 204.7 | 400.2 |
| #2 | 199.4 | 30070. | 186.6 | 205.9 | 404.7 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 20:19:52 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 291.5 | 100.3 | 1012. | 195.8 | 302.3 |
| Stddev | 1.7 | 2.7 | 5. | .6 | .6 |
| %RSD | .5810 | 2.689 | .5284 | .2835 | .2053 |
| #1 | 290.3 | 98.41 | 1015. | 195.4 | 301.9 |
| #2 | 292.7 | 102.2 | 1008. | 196.1 | 302.8 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 395.6 | 100.1 | 198.5 | 198.7 |
| Stddev | 1.5 | 1.3 | .9 | .3 |
| %RSD | .3677 | 1.323 | .4567 | .1452 |
| #1 | 396.6 | 99.18 | 199.1 | 198.5 |
| #2 | 394.6 | 101.1 | 197.9 | 198.9 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/27/2010 20:19:52 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 411.63 | 3808.5 | 4007.4 | 4500.3 |
| Stddev | 1.45 | 10.1 | .7 | .8 |
| %RSD | .35263 | .26620 | .01626 | .01725 |
| #1 | 412.65 | 3801.3 | 4007.0 | 4500.9 |
| #2 | 410.60 | 3815.7 | 4007.9 | 4499.8 |

Sample Name: CCB Acquired: 5/27/2010 20:23:41 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.203 | 17.66 | 1.981 | 1.663 | 3.297 |
| Stddev | .401 | 33.05 | 1.483 | .712 | 2.495 |
| %RSD | 33.33 | 187.2 | 74.84 | 42.80 | 75.68 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -9198 | -5.715 | .9327 | 2.166 | 1.533 |
| #2 | -1.487 | 41.03 | 3.029 | 1.160 | 5.061 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.129 | 81.60 | .1814 | .0845 | .0978 |
| Stddev | .0185 | 44.94 | .0003 | .5921 | .0227 |
| %RSD | 143.1 | 55.07 | .1389 | 701.0 | 23.25 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -0.260 | 113.4 | .1815 | -.3342 | .1139 |
| #2 | .0002 | 49.83 | .1812 | .5032 | .0817 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 20:23:41 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0055 | 6.763 | -74.14 | 32.07 | .1373 |
| Stddev | .2960 | 5.528 | 39.28 | 10.40 | .0512 |
| %RSD | 5424. | 81.74 | 52.98 | 32.44 | 37.28 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | .2148 | 10.67 | -46.36 | 39.43 | .1734 |
| #2 | -.2039 | 2.854 | -101.9 | 24.72 | .1011 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.039 | 3.756 | -.0912 | -.2183 | -1.737 |
| Stddev | .118 | 2.069 | 1.034 | .9616 | 1.237 |
| %RSD | 11.37 | 55.09 | 1134. | 440.5 | 71.23 |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | 1.123 | 2.293 | -.8226 | .4616 | -2.612 |
| #2 | .9559 | 5.220 | .6402 | -.8982 | -.8622 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 20:23:41 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.749 | 3.112 | 3.159 | -.9643 | .0646 |
| Stddev | .431 | 3.214 | .628 | .0829 | .0249 |
| %RSD | 24.65 | 103.3 | 19.89 | 8.594 | 38.49 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -1.444 | .8387 | 2.715 | -1.023 | .0822 |
| #2 | -2.054 | 5.385 | 3.603 | -.9057 | .0471 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .8353 | -1.160 | -.0049 | 4.557 |
| Stddev | .0249 | .880 | .1864 | .068 |
| %RSD | 2.983 | 75.90 | 3791. | 1.483 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .8530 | -.5372 | -.1368 | 4.509 |
| #2 | .8177 | -1.782 | .1269 | 4.605 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/27/2010 20:23:41 Type: QC
 Method: 6010B(v60) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 445.65 | 3895.2 | 4098.8 | 4530.2 |
| Stddev | 99 | 13.1 | 5.6 | 61.6 |
| %RSD | .22183 | .33575 | .13601 | 1.3603 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 444.95 | 3904.4 | 4094.8 | 4486.6 |
| #2 | 446.35 | 3886.0 | 4102.7 | 4573.8 |



Sample Preparation – Metals

| STANDARD TRACEABILITY RECORDS | | |
|-------------------------------------|----------------------|--|
| ICP-OES Instrument | | |
| Date: 5/27/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 052710-01 | IFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052710-02 | IFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052710-03 | PL | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | Lot Number | |
| Used for all methods | | |
| STD 7: | ME STD 7w 00012 | |
| STD 8: | ME STD 8w 00008 | |
| STD 4: | ME STD 4w 00012 | |
| ICV: | ME ICVw 00005 | |
| CCV: | ME CCVw 00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME 5%2% RINSEw 00015 | |
| Internal Standard Solution: | ME ICP7ISw 00007 | |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | ME 6010 ICSAw 00008 | |
| ICSAB 6010: | ME 6010 ICSABw 00001 | |
| CRI 6010: | ME 6010 CAIw 00006 | |
| DOD LRV Solution: | ME DOD LRVw 00004 | |
| 6010 Post Spiking Solution: | ME SPIKE #1w 00008 | |
| 5 PPM AG: | | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | | |
| ICSA ILM05.4: | | |
| ICSAB ILM05.4: | | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |

37170

Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature:

| | Block 1 | Block 2 | Block 3 | Block 4 | Block 5 | Block 6 | Block 7 | Block 8 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| | — °C | — °C | — °C | — °C | 94 °C | 94 °C | 94 °C | — °C |



Sample Handling

DO NOT LIFT USING THIS TAG

| | | | |
|---------------------------|--|------------------------------------|--|
| Recipient's Phone Number | | TO (Recipient's Name) Please Print | |
| FedEx | | End# 589578 03MAY10 AP4A | |
| 0002 OF 0006 | | City | |
| MPS# 8716 0065 9960 | | Street Addr | |
| 0260 | | Company | |
| Mstr# 8675 7103 9650 0215 | | | |
| XH BTVA | | | |

TUE - 04 MAY AA
PRIORITY OVERNIGHT

05403
VT-US
BTU



2.05

© 2004 FedEx 141



DO NOT LIFT USING THIS TAG

| | | | |
|------------------------------------|---|--------------------------|--|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number | |
| Company | TUE - 04 MAY AA PRIORITY OVERNIGHT | Suite/Room | |
| Street Address | | des) | |
| City | | | |

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FedEx 0003 OF 0006
MPS# 8716 0065 9970
Mstr# 8675 7103 9650 [0215]

XH BTVA

05403
VI-US
BTVA



Emp# 588578 03MAY10 APAA

225

TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

| | | |
|--|---------------------------------|----------------------------------|
| Client: <u>URS COO</u> | Date Received: <u>05/24/10</u> | Log In Date: <u>05/10/10</u> |
| ETR: <u>137170</u> | Time Received: <u>1:15</u> | By: <u>[Signature]</u> |
| SDG: <u>137170</u> | Received By: <u>[Signature]</u> | Signature: <u>[Signature]</u> |
| Project: <u>296006</u> | # Coolers Received: <u>6</u> | PM Signature: <u>[Signature]</u> |
| Samples Delivered By: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify) | | Date: <u>05/10/10</u> |

List Air bill Number(s) or Attach a photocopy of the Air Bill:

| COOLER SCREEN | YES | NO | NA | COMMENTS |
|---|-------------------------------------|-------------------------------------|----|----------|
| There is <u>no</u> evidence to indicate tampering | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seals are present and intact | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seal numbers are present | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |

If yes, list custody seal numbers:

| | |
|---|---------------------------------------|
| Thermal Preservation Type: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other (specify) | |
| IR Gun ID: <u>96</u> | Correction Factor (CF) = <u>-2</u> °C |
| Cooler 1: <u>2.0</u> °C | Cooler 6: <u>4.3</u> °C |
| Cooler 2: <u>2.2</u> °C | Cooler 7: °C |
| Cooler 3: <u>4.2</u> °C | Cooler 8: °C |
| Cooler 4: <u>0.5</u> °C | Cooler 9: °C |
| Cooler 5: <u>2.8</u> °C | Cooler 10: °C |
| | Cooler 11: °C |
| | Cooler 12: °C |
| | Cooler 13: °C |
| | Cooler 14: °C |
| | Cooler 15: °C |
| | Cooler 16: °C |
| | Cooler 17: °C |
| | Cooler 18: °C |
| | Cooler 19: °C |
| | Cooler 20: °C |

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun

EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.

Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

| SAMPLE CONDITION | YES | NO | NA | COMMENTS |
|---|-------------------------------------|----|----|----------|
| Sample containers were received intact | <input checked="" type="checkbox"/> | | | |
| Legible sample labels are affixed to each container | <input checked="" type="checkbox"/> | | | |

| CHAIN OF CUSTODY (COC) | YES | NO | NA | COMMENTS |
|---|-----|----|----|----------|
| COC is present and includes the following information for each container: | | | | |

| | | | | |
|----------------------------------|-------------------------------------|--|-------------------------------------|--|
| • Sample ID / Sample Description | <input checked="" type="checkbox"/> | | | |
| • Date of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Time of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Identification of the Sampler | <input checked="" type="checkbox"/> | | | |
| • Preservation Type | | | <input checked="" type="checkbox"/> | |
| • Requested Tests Method(s) | <input checked="" type="checkbox"/> | | | |
| • Necessary Signatures | <input checked="" type="checkbox"/> | | | |

| | | | | |
|--|--|-------------------------------------|-------------------------------------|--|
| Internal Chain of Custody (ICOC) Required | | <input checked="" type="checkbox"/> | | |
| If yes to above, ICOC Record initiated for every Worksheet | | | <input checked="" type="checkbox"/> | |

| SAMPLE INTEGRITY / USABILITY | YES | NO | NA | COMMENTS |
|---|-------------------------------------|----|-------------------------------------|----------|
| The sample container matches the COC | <input checked="" type="checkbox"/> | | | |
| Appropriate sample containers were received for the tests requested | <input checked="" type="checkbox"/> | | | |
| Samples were received within holding time | <input checked="" type="checkbox"/> | | | |
| Sufficient amount of sample is provided for requested analyses | <input checked="" type="checkbox"/> | | | |
| VOA vials do not have headspace or a bubble >6mm (1/4" diameter) | | | <input checked="" type="checkbox"/> | |
| Appropriate preservatives were used for the tests requested | | | <input checked="" type="checkbox"/> | |
| pH of inorganic samples checked and is within method specification | | | <input checked="" type="checkbox"/> | |
| If no, attach Inorganic Sample pH Adjustment Form | | | <input checked="" type="checkbox"/> | |

ANOMALY / NCR SUMMARY:

Sample CVR3TR3-3-T04N-SOC used in cooler at 4.2°C, all other vials for this log in cooler at 2.0°C, copies of air bills attached.

TestAmerica
South Burlington, VT
Extended Data Package

137171

TestAmerica Laboratories, Inc.

May 25, 2010

Ms. Sheri O'Conner
URS Operating Services, Inc.
1099 18TH Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: CMI; SDG: 137171

Dear Ms. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137171 | | | |
| 828908 | RB01-T02N-PLTGAW | 05/01/10 | WATER |
| 828909 | RB02-T02N-PLTGBW | 05/01/10 | WATER |
| 828910 | RB03-T02N-SOL | 05/01/10 | WATER |
| 828911 | RB04-T02N-SOL | 05/01/10 | WATER |
| 828912 | RB05-T02N-SOL | 05/01/10 | WATER |
| 828913 | RB06-T02N-PLTGAW | 05/01/10 | WATER |
| 828914 | RB07-T02N-PLTGBW | 05/01/10 | WATER |
| 828915 | RB08-T02N-SOL | 05/01/10 | WATER |
| 828916 | RB09-T03N-PLTFAW | 05/01/10 | WATER |
| 828917 | RB10-T03N-PLTFBW | 05/01/10 | WATER |
| 828918 | RB11-T03N-SOL | 05/01/10 | WATER |
| 828919 | RB12-T02N-SOL | 05/02/10 | WATER |

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B

Due to insufficient sample volume, the laboratory was unable to perform a matrix spike and matrix spike duplicate analysis. All data is reported to the instrument detection limit.



Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read "Joseph Carabillo", written in a cursive style.

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|--|------------|
| Chain of Custody | 2 |
| Sample Report Summary Metals | 5 |
| QC Summary Metals | 19 |
| Supportive Documentation Metals | 39 |
| Sample Preparation Metals | 102 |
| Sample Handling | 105 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

URS Corporation • 8181 E. Tufts Avenue, Denver, CO 80237 • 303-694-2770 • Fax 303-694-3946

PAGE ____ OF ____

| Project Name | | Project Number | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | |
|---|------------------|-----------------------|------|--|----------------------|----------------------------|------------------|---|------|------|-------|---|-------|------------|------|---|------------|-----------|--|
| Project Manager | | Report CC | | | | | | | | | | | | | | | | | |
| Company/Address | | FAX # | | | | | | | | | | | | | | | | | |
| 8181 E Tufts Ave | | (303) 332-5297 | | | | | | | | | | | | | | | | | |
| Denver, CO 80237 | | Sample's Printed Name | | | | | | | | | | | | | | | | | |
| | | Liz Best | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | FOR LAB USE ONLY | SAMPLING DATE | TIME | MATRIX | Total Metals (mg/Ly) | Total Number of Containers | Dissolved Metals | Inorganic Suite (see notes) | VOCs | BTEX | TPH-G | TPH-D | SVOCs | Pesticides | PCBs | Explosives | PCDD/PCDFs | Herbicide | PRESERVATIVE |
| RB01 - TOZN-PLTGAW | | 05/01/10 | 0930 | W | 1 | 1 | | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C |
| RB02 - TOZN-PLTGAW | | 05/01/10 | 1015 | | 1 | 1 | | | | | | | | | | | | | |
| RB03 - TOZN-SOL | | 05/01/10 | 1020 | | 1 | 1 | | | | | | | | | | | | | |
| RB04 - TOZN-SOL | | 05/01/10 | 1130 | | 1 | 1 | | | | | | | | | | | | | |
| RB05 - TOZN-SOL | | 05/01/10 | 1200 | | 1 | 1 | | | | | | | | | | | | | |
| RB06 - TOZN-PLTGAW | | 05/01/10 | 1335 | | 1 | 1 | | | | | | | | | | | | | |
| RB07 - TOZN-PLTGAW | | 05/01/10 | 1345 | | 1 | 1 | | | | | | | | | | | | | |
| RB08 - TOZN-SOL | | 05/01/10 | 1415 | | 1 | 1 | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS | | | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | | | TURNAROUND REQUIREMENTS RUSH (surcharge apply) 24 hr _____ 48 hr _____ 5 day _____ | | | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata _____ Yes _____ No | | | | INVOICE INFORMATION PO# _____ BILL TO: <u>Sheri O'Connor</u> SUBMISSION #: _____ | | | |
| Inorganic suite includes: | | | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | | | CUSTODY SEALS: <u>Y</u> <u>N</u> | | | | RECEIVED BY Signature _____ Printed Name _____ Firm _____ Date/Time _____ | | | | RECEIVED BY Signature _____ Printed Name _____ Firm _____ Date/Time _____ | | | |
| URS Contact: <u>Sheri O'Connor</u> | | | | SAMPLE RECEIPT: CONDITION/COOLER TEMP: <u>0.6</u> | | | | RELINQUISHED BY Signature <u>Liz Best</u> Printed Name <u>Liz Best</u> Firm <u>URS</u> Date/Time <u>05/03/10 1500</u> | | | | RELINQUISHED BY Signature _____ Printed Name _____ Firm _____ Date/Time _____ | | | | RELINQUISHED BY Signature _____ Printed Name _____ Firm _____ Date/Time _____ | | | |
| See SOW <input checked="" type="checkbox"/> See QAPP <input type="checkbox"/> | | | | URS Contact: <u>Sheri O'Connor</u> | | | | RELINQUISHED BY Signature <u>Liz Best</u> Printed Name <u>Liz Best</u> Firm <u>URS</u> Date/Time <u>05/03/10 1500</u> | | | | RELINQUISHED BY Signature _____ Printed Name _____ Firm _____ Date/Time _____ | | | | RELINQUISHED BY Signature _____ Printed Name _____ Firm _____ Date/Time _____ | | | |

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

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PAGE OF

[illegible]

W:\General\Chemistry\COC Forms\URS General.doc 11/3/06 11:52 AM

White and Yellow to lab

Pink – sample management

Cooler of



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171

SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|------------------|----------------|
| RB01-T02N-PLTGAW | 828908 |
| RB02-T02N-PLTGBW | 828909 |
| RB03-T02N-SOL | 828910 |
| RB04-T02N-SOL | 828911 |
| RB05-T02N-SOL | 828912 |
| RB06-T02N-PLTGAW | 828913 |
| RB07-T02N-PLTGBW | 828914 |
| RB08-T02N-SOL | 828915 |
| RB09-T03N-PLTFAW | 828916 |
| RB10-T03N-PLTFBW | 828917 |
| RB11-T03N-SOL | 828918 |
| RB12-T02N-SOL | 828919 |

Were ICP interelement corrections applied? Yes/No YESWere ICP background corrections applied? Yes/No YESIf yes-were raw data generated before
application of background corrections? Yes/No NOComments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

COVER PAGE - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB01-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171
Matrix (soil/water): WATER Lab Sample ID: 828908
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 1.4 | B | | P |

Color Before: colorless Clarity Before: clear Texture: _____Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB02-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171
Matrix (soil/water): WATER Lab Sample ID: 828909
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.47 | U | | P |

Color Before: colorless Clarity Before: clear Texture: _____
Color After: light yellow Clarity After: clear Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB03-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171
Matrix (soil/water): WATER Lab Sample ID: 828910
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.82 | B | | P |

Color Before: colorless Clarity Before: clear Texture: _____

Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB04-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171
Matrix (soil/water): WATER Lab Sample ID: 828911
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.47 | U | | P |

Color Before: colorless Clarity Before: clear Texture: _____
Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB05-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171
Matrix (soil/water): WATER Lab Sample ID: 828912
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.56 | B | | P |

Color Before: colorless Clarity Before: clear Texture: _____
Color After: light yellow Clarity After: clear Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB06-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171
Matrix (soil/water): WATER Lab Sample ID: 828913
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.47 | U | | P |

Color Before: colorless Clarity Before: clear Texture: _____
Color After: light yellow Clarity After: clear Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB07-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171
Matrix (soil/water): WATER Lab Sample ID: 828914
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.47 | U | | P |

Color Before: colorless Clarity Before: clear Texture: _____Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB08-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171
Matrix (soil/water): WATER Lab Sample ID: 828915
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.47 | U | | P |

Color Before: colorless Clarity Before: clear Texture: _____
Color After: light yellow Clarity After: clear Artifacts: _____
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB09-T03N-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171
Matrix (soil/water): WATER Lab Sample ID: 828916
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.64 | B | | P |

Color Before: colorless Clarity Before: clear Texture: _____
Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB10-T03N-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171
Matrix (soil/water): WATER Lab Sample ID: 828917
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.47 | U | | P |

Color Before: colorless Clarity Before: clear Texture: _____Color After: light yellow Clarity After: clear Artifacts: _____Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB11-T03N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171
Matrix (soil/water): WATER Lab Sample ID: 828918
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.47 | U | | P |

Color Before: colorless Clarity Before: clear Texture: _____
Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB12-T02N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171
Matrix (soil/water): WATER Lab Sample ID: 828919
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.47 | U | | P |

Color Before: colorless Clarity Before: clear Texture: _____

Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN



QC Summary – Metals

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137171
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 518.50 | 103.7 | 200.0 | 200.80 | 100.4 | 199.80 | 99.9 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137171
Initial Calibration Source: Inorganic Ventures/Fisher
Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 199.90 | 100.0 | 198.00 | 99.0 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137171
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|-------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 196.00 | 98.0 | | | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|------------|------|-------|----|-----------------------|------------------|---------------|----------------|-------------|
| | True | Found | %R | Initial True | Initial Found | Initial %R | Final Found | Final %R |
| Molybdenum | | | | 10.0 | 13.43 | 134.3 | | |

Control Limits: no limits have been established by EPA at this time

Form IIB-IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137171

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | |
|------------|--------------------------------------|--|-----|---|-----|---|-------|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| | | C | C | C | C | C | C | C | M |
| Molybdenum | 2.4 | B | 0.9 | B | 0.9 | B | 0.8 | B | |
| | | | | | | | 0.470 | U | P |

Form III - IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | M |
|------------|--------------------------------------|--|-----|---|--|--|--|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| | | | | | | | | | |
| Molybdenum | | 0.9 | 0.6 | | | | | | |

Form III - IN

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171ICP ID Number: TJA ICAP 7 ICS Source: Inorganic VenturesConcentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|-------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | 1 | 988.1 | 100.2 | | | |

Form IV - IN

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171

Solid LCS Source: _____

Aqueous LCS Source: Inorganic Ventures

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | |
|------------|----------------|--------|------|---------------|-------|---|--------|----|
| | True | Found | %R | True | Found | C | Limits | %R |
| Molybdenum | 1000.0 | 998.00 | 99.8 | | | | | |

Form VII - IN

USEPA-CLP FORMS

9

ICP SERIAL DILUTIONS

SAMPLE NO.

RB01-T02N-PLTGAWL

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) | | Serial Dilution Result (S) | % Differ- ence | Q | M |
|------------|------------------------------|---|-------------------------------|-------------------|---|---|
| | | C | | | | |
| Molybdenum | 1.45 | B | 3.84 | 164.8 | | P |

Form IX - IN

USEPA-CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171

ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|------------|---------------------|-------------|----------------|---------------|---|
| Molybdenum | 202.030 | | 10 | 0.47 | P |

Comments: _____

Form X - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments: _____

Form XII - IN

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMI S&V SAS No.: _____ SDG No.: 137171Method: P

| EPA Sample No. | Preparation Date | Initial Volume mL | Volume (mL) |
|-------------------|---------------------|----------------------|----------------|
| LCSW051710A | 5/17/2010 | 100.0 | 100.0 |
| PBW051710A | 5/17/2010 | 100.0 | 100.0 |
| RB01-T02N-PLTGAW | 5/17/2010 | 100.0 | 100.0 |
| RB02-T02N-PLTGBW | 5/17/2010 | 100.0 | 100.0 |
| RB03-T02N-SOL | 5/17/2010 | 100.0 | 100.0 |
| RB04-T02N-SOL | 5/17/2010 | 100.0 | 100.0 |
| RB05-T02N-SOL | 5/17/2010 | 100.0 | 100.0 |
| RB06-T02N-PLTGAW | 5/17/2010 | 100.0 | 100.0 |
| RB07-T02N-PLTGBW | 5/17/2010 | 100.0 | 100.0 |
| RB08-T02N-SOL | 5/17/2010 | 100.0 | 100.0 |
| RB09-T03N-PLTFAW | 5/17/2010 | 100.0 | 100.0 |
| RB10-T03N-PLTFBW | 5/17/2010 | 100.0 | 100.0 |
| RB11-T03N-SOL | 5/17/2010 | 100.0 | 100.0 |
| RB12-T02N-SOL | 5/17/2010 | 100.0 | 100.0 |

Form XIII - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137171
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/19/2010 End Date: 5/20/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|-------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| CalibStd-Blk | 1.00 | 20:31 | | | | | X | | | | | | | | | | | | |
| STD7 | 1.00 | 20:35 | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 20:39 | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 20:43 | | | | | X | | | | | | | | | | | | |
| ICV | 1.00 | 20:47 | | | | | X | | | | | | | | | | | | |
| ICB | 1.00 | 20:51 | | | | | X | | | | | | | | | | | | |
| ICSA | 1.00 | 20:54 | | | | | X | | | | | | | | | | | | |
| ICSAB | 1.00 | 20:58 | | | | | X | | | | | | | | | | | | |
| CRI | 1.00 | 21:02 | | | | | X | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 21:06 | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 21:10 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 21:14 | | | | | X | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 21:17 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 21:21 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 21:25 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 21:29 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 2.00 | 21:33 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 10.00 | 21:37 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 21:41 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 21:45 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 21:49 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 21:53 | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 21:57 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 22:01 | | | | | X | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 22:04 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 22:08 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 22:12 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 22:16 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 22:20 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 22:24 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 22:28 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 22:32 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 22:36 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 22:40 | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 22:44 | | | | | X | | | | | | | | | | | | |

Form XIV - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMI S&V SAS No.: SDG No.: 137171
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/19/2010 End Date: 5/20/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| CCB | 1.00 | 22:48 | | | | | X | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 22:52 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 22:56 | | | | | | | | | | | | | | | | | |
| PBW051710A | 1.00 | 23:00 | | | | | X | | | | | | | | | | | | |
| LCSW051710A | 1.00 | 23:04 | | | | | X | | | | | | | | | | | | |
| RB01-T02N-PLTGAW | 1.00 | 23:07 | | | | | X | | | | | | | | | | | | |
| RB01-T02N-PLTGAWL | 5.00 | 23:11 | | | | | X | | | | | | | | | | | | |
| RB02-T02N-PLTGBW | 1.00 | 23:15 | | | | | X | | | | | | | | | | | | |
| RB03-T02N-SOL | 1.00 | 23:20 | | | | | X | | | | | | | | | | | | |
| RB04-T02N-SOL | 1.00 | 23:24 | | | | | X | | | | | | | | | | | | |
| RB05-T02N-SOL | 1.00 | 23:28 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 23:32 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 23:35 | | | | | X | | | | | | | | | | | | |
| RB06-T02N-PLTGAW | 1.00 | 23:39 | | | | | X | | | | | | | | | | | | |
| RB07-T02N-PLTGBW | 1.00 | 23:43 | | | | | X | | | | | | | | | | | | |
| RB08-T02N-SOL | 1.00 | 23:47 | | | | | X | | | | | | | | | | | | |
| RB09-T03N-PLTFAW | 1.00 | 23:51 | | | | | X | | | | | | | | | | | | |
| RB10-T03N-PLTFBW | 1.00 | 23:55 | | | | | X | | | | | | | | | | | | |
| RB11-T03N-SOL | 1.00 | 23:59 | | | | | X | | | | | | | | | | | | |
| RB12-T02N-SOL | 1.00 | 00:03 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 00:07 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 00:10 | | | | | X | | | | | | | | | | | | |

Form XIV - IN



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: JSW

Date: 5/19/2010

Reviewed by: JS

Date: 5/20/10

QC Review by: SLD

Date: 5-24-10

TJA ICAP 7

ICP METALS 6010 B*

QC use: Cal#:

Prep#

Inst#:

| Seq | Sample ID | Analysis Date | Time | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----|--------------|---------------|----------|----|--------|---------------|------------|------------------|
| 1. | CalibStd-Blk | 5/19/2010 | 20:31:22 | 1 | WATER | 051910-04.txt | | <u>Mo</u> |
| 2. | STD7 | 5/19/2010 | 20:35:15 | 1 | WATER | 051910-04.txt | | |
| 3. | STD8 | 5/19/2010 | 20:39:07 | 1 | WATER | 051910-04.txt | | |
| 4. | STD4 | 5/19/2010 | 20:43:06 | 1 | WATER | 051910-04.txt | | |
| 5. | ICV1 | 5/19/2010 | 20:47:06 | 1 | WATER | 051910-04.txt | | |
| 6. | ICB1 | 5/19/2010 | 20:51:01 | 1 | WATER | 051910-04.txt | | |
| 7. | ICSA1 | 5/19/2010 | 20:54:57 | 1 | WATER | 051910-04.txt | | |
| 8. | ICSAB1 | 5/19/2010 | 20:58:44 | 1 | WATER | 051910-04.txt | | |
| 9. | CRI1 | 5/19/2010 | 21:02:32 | 1 | WATER | 051910-04.txt | | |
| 10. | LRV | 5/19/2010 | 21:06:24 | 1 | WATER | 051910-04.txt | | |
| 11. | CCV1 | 5/19/2010 | 21:10:15 | 1 | WATER | 051910-04.txt | | |
| 12. | CCB1 | 5/19/2010 | 21:14:04 | 1 | WATER | 051910-04.txt | | |
| 13. | PBS051310D | 5/19/2010 | 21:17:59 | 1 | SOIL | 051910-04.txt | PBICPS0513 | |
| 14. | LCSS051310D | 5/19/2010 | 21:21:53 | 1 | SOIL | 051910-04.txt | PBICPS0513 | |
| 15. | 829512 | 5/19/2010 | 21:25:47 | 1 | SOIL | 051910-04.txt | PBICPS0513 | |
| 16. | 829512L | 5/19/2010 | 21:29:45 | 5 | WATER | 051910-04.txt | PBICPS0513 | |
| 17. | 829712 | 5/19/2010 | 21:33:42 | 2 | WATER | 051910-04.txt | PBICPW0518 | |
| 18. | 829712L | 5/19/2010 | 21:37:41 | 10 | WATER | 051910-04.txt | PBICPW0518 | |
| 19. | PBW051810B | 5/19/2010 | 21:41:35 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 20. | LCSW051810B | 5/19/2010 | 21:45:30 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 21. | 829578 | 5/19/2010 | 21:49:23 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 22. | 829578L | 5/19/2010 | 21:53:21 | 5 | WATER | 051910-04.txt | PBICPW0518 | |
| 23. | CCV2 | 5/19/2010 | 21:57:14 | 1 | WATER | 051910-04.txt | | |
| 24. | CCB2 | 5/19/2010 | 22:01:02 | 1 | WATER | 051910-04.txt | | |
| 25. | 829579 | 5/19/2010 | 22:04:58 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 26. | 829580 | 5/19/2010 | 22:08:52 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 27. | 829581 | 5/19/2010 | 22:12:53 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 28. | 829582 | 5/19/2010 | 22:16:46 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 29. | 829583 | 5/19/2010 | 22:20:45 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 30. | 829584 | 5/19/2010 | 22:24:42 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 31. | 829585 | 5/19/2010 | 22:28:41 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 32. | 829586 | 5/19/2010 | 22:32:35 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 33. | 829587 | 5/19/2010 | 22:36:31 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 34. | 829588 | 5/19/2010 | 22:40:31 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 35. | CCV3 | 5/19/2010 | 22:44:33 | 1 | WATER | 051910-04.txt | | |
| 36. | CCB3 | 5/19/2010 | 22:48:21 | 1 | WATER | 051910-04.txt | | |
| 37. | 829589 | 5/19/2010 | 22:52:16 | 1 | WATER | 051910-04.txt | PBICPW0518 | |
| 38. | FBLK051710A | 5/19/2010 | 22:56:14 | 1 | WATER | 051910-04.txt | | |
| 39. | PBW051710A | 5/19/2010 | 23:00:09 | 1 | WATER | 051910-04.txt | PBICPW0517 | |
| 40. | LCSW051710A | 5/19/2010 | 23:04:04 | 1 | WATER | 051910-04.txt | PBICPW0517 | |
| 41. | 828908 | 5/19/2010 | 23:07:56 | 1 | WATER | 051910-04.txt | PBICPW0517 | |
| 42. | 828908L | 5/19/2010 | 23:11:53 | 5 | WATER | 051910-04.txt | PBICPW0517 | |
| 43. | 828909 | 5/19/2010 | 23:15:47 | 1 | WATER | 051910-04.txt | PBICPW0517 | |
| 44. | 828910 | 5/19/2010 | 23:20:21 | 1 | WATER | 051910-04.txt | PBICPW0517 | |
| 45. | 828911 | 5/19/2010 | 23:24:11 | 1 | WATER | 051910-04.txt | PBICPW0517 | |

57446

TestAmerica Burlington

Runlog Review Report

Analyzed by: JSW

Date: 5/19/2010

Reviewed by: _____

Date: _____

QC Review by: _____

Date: _____

TJA ICAP 7

ICP METALS 6010

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis | | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|---------------|-----------|----------|----|--------|---------------|------------|------------------|
| | Date | Time | | | | | |
| 46. 828912 | 5/19/2010 | 23:28:06 | 1 | WATER | 051910-04.txt | PBICPW0517 | _____ |
| 47. CCV4 | 5/19/2010 | 23:32:00 | 1 | WATER | 051910-04.txt | | _____ |
| 48. CCB4 | 5/19/2010 | 23:35:49 | 1 | WATER | 051910-04.txt | | _____ |
| 49. 828913 | 5/19/2010 | 23:39:44 | 1 | WATER | 051910-04.txt | PBICPW0517 | _____ |
| 50. 828914 | 5/19/2010 | 23:43:37 | 1 | WATER | 051910-04.txt | PBICPW0517 | _____ |
| 51. 828915 | 5/19/2010 | 23:47:30 | 1 | WATER | 051910-04.txt | PBICPW0517 | _____ |
| 52. 828916 | 5/19/2010 | 23:51:24 | 1 | WATER | 051910-04.txt | PBICPW0517 | _____ |
| 53. 828917 | 5/19/2010 | 23:55:19 | 1 | WATER | 051910-04.txt | PBICPW0517 | _____ |
| 54. 828918 | 5/19/2010 | 23:59:15 | 1 | WATER | 051910-04.txt | PBICPW0517 | _____ |
| 55. 828919 | 5/20/2010 | 00:03:10 | 1 | WATER | 051910-04.txt | PBICPW0517 | _____ |
| 56. CCV5 | 5/20/2010 | 00:07:04 | 1 | WATER | 051910-04.txt | | _____ |
| 57. CCB5 | 5/20/2010 | 00:10:54 | 1 | WATER | 051910-04.txt | | _____ |

Analytical Review Report

Data File: 051910-04.txt

Date Printed: 5/20/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/19/2010

Analysis End Date: 5/20/2010

Start Time: 20:31:2

End Time: 00:10:5

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|---------|-------|-------|-----|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 82.64 | -0.0001 | | | | |
| STD4 | 1 | | 0.874 | 0.000 | 0.000 | 0.59 | 0.87 | | | | |
| ICV1 | 1 | PASS | 518.500 | 517.000 | 519.900 | 0.39 | 518.50 | 103.7 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 2.448 | 2.634 | 2.262 | 10.77 | 2.4 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | 1.066 | 0.677 | 1.455 | 51.65 | 1 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 988.100 | 985.200 | 991.100 | 0.43 | 988.1 | 100.2 | 986 | 80 | 120 |
| CRI1 | 1 | PASS | 13.430 | 13.880 | 12.970 | 4.79 | 13.43 | 134.3 | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 200.800 | 199.800 | 201.700 | 0.64 | 200.80 | 100.4 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.850 | 0.868 | 0.832 | 2.93 | 0.9 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 199.800 | 199.200 | 200.300 | 0.38 | 199.80 | 99.9 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.851 | 0.884 | 0.819 | 5.39 | 0.9 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 199.900 | 199.700 | 200.200 | 0.20 | 199.90 | 100.0 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.762 | 0.999 | 0.525 | 44.04 | 0.8 | | | | +/-10.00 |
| CCV4 | 1 | PASS | 198.000 | 197.000 | 198.900 | 0.70 | 198.00 | 99.0 | 200.0 | 90 | 110 |
| CCB4 | 1 | PASS | 0.891 | 0.998 | 0.784 | 16.98 | 0.9 | | | | +/-10.00 |
| CCV5 | 1 | PASS | 196.000 | 195.600 | 196.400 | 0.28 | 196.00 | 98.0 | 200.0 | 90 | 110 |
| CCB5 | 1 | PASS | 0.561 | 1.075 | 0.047 | 129.50 | 0.6 | | | | +/-10.00 |

Analytical Review Report

Data File: 051910-04.txt

Date Printed: 5/20/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/19/2010

Analysis End Date: 5/20/2010

Start Time: 20:31:2

End Time: 00:10:5

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|--|-----|------|----------------|-------------|-------------|--------|---------|-------|--------|------|----------|
| Quality Control and Field Samples | | | | | | | | | | | |
| LRV | 1 | PASS | 0.844 | 0.968 | 0.721 | 20.66 | 0.84 | | | | |
| PBS051310D | 1 | PASS | 0.207 | -0.100 | 0.513 | 209.50 | 0.021 | | | | +/-10.00 |
| LCSS051310D | 1 | PASS | 514.200 | 513.200 | 515.300 | 0.29 | 51.4 | 102.8 | 50.0 | 40.0 | 60.0 |
| 829512 | 1 | PASS | 1546.000 | 1544.000 | 1548.000 | 0.21 | 142 | | | | |
| 829512L | 5 | PASS | 1661.000 | 1658.000 | 1664.000 | 0.24 | 1661.00 | | | | |
| 829712 | 2 | PASS | 10.940 | 11.250 | 10.630 | 3.98 | 2.2 | | | | |
| 829712L | 10 | FAIL | 21.420 | 18.930 | 23.910 | 16.43 | 21.42 | | | | |
| PBW051810B | 1 | PASS | 0.594 | 0.648 | 0.539 | 12.95 | 0.594 | | | | +/-10.00 |
| LCSSW051810B | 1 | PASS | 954.300 | 951.900 | 956.600 | 0.35 | 954.30 | 95.4 | 1000.0 | 80.0 | 120.0 |
| 829578 | 1 | PASS | 14.500 | 14.840 | 14.160 | 3.29 | 14.5 | | | | |
| 829578L | 5 | PASS | 18.030 | 18.640 | 17.420 | 4.78 | 18.03 | | | | |
| 829579 | 1 | PASS | 26.960 | 26.980 | 26.940 | 0.11 | 27.0 | | | | |
| 829580 | 1 | PASS | 152.900 | 152.700 | 153.100 | 0.20 | 153 | | | | |
| 829581 | 1 | PASS | 148.000 | 147.600 | 148.300 | 0.35 | 148 | | | | |
| 829582 | 1 | PASS | 60.840 | 60.720 | 60.960 | 0.27 | 60.8 | | | | |
| 829583 | 1 | PASS | 77.170 | 76.860 | 77.480 | 0.57 | 77.2 | | | | |
| 829584 | 1 | PASS | 47.890 | 0.000 | 46.610 | 3.79 | 47.9 | | | | |
| 829585 | 1 | PASS | 21.940 | 22.050 | 21.830 | 0.74 | 21.9 | | | | |
| 829586 | 1 | PASS | 19.370 | 19.210 | 19.530 | 1.18 | 19.4 | | | | |
| 829587 | 1 | PASS | 24.820 | 24.950 | 24.690 | 0.73 | 24.8 | | | | |
| 829588 | 1 | PASS | 132.200 | 132.200 | 132.300 | 0.08 | 132 | | | | |
| 829589 | 1 | PASS | 68.590 | 68.750 | 68.430 | 0.33 | 68.6 | | | | |
| FBLK051710A | 1 | PASS | 0.075 | -0.023 | 0.172 | 184.40 | 0.075 | | | | |
| PBW051710A | 1 | PASS | 0.223 | 0.132 | 0.313 | 57.47 | 0.223 | | | | +/-10.00 |
| LCSSW051710A | 1 | PASS | 998.000 | 994.500 | 1001.000 | 0.49 | 998.00 | 99.8 | 1000.0 | 80.0 | 120.0 |
| 828908 | 1 | PASS | 1.445 | 1.771 | 1.118 | 31.96 | 1.4 | | | | |
| 828908L | 5 | PASS | 3.838 | 4.009 | 3.667 | 6.30 | 3.84 | | | | |
| 828909 | 1 | PASS | 0.319 | 0.384 | 0.253 | 29.11 | 0.32 | | | | |
| 828910 | 1 | PASS | 0.820 | -0.098 | 1.737 | 158.30 | 0.82 | | | | |
| 828911 | 1 | PASS | 0.206 | 0.318 | 0.094 | 77.17 | 0.21 | | | | |
| 828912 | 1 | PASS | 0.563 | 0.542 | 0.583 | 5.16 | 0.56 | | | | |
| 828913 | 1 | PASS | 0.144 | 0.224 | 0.064 | 78.50 | 0.14 | | | | |
| 828914 | 1 | PASS | 0.159 | -0.023 | 0.341 | 162.20 | 0.16 | | | | |
| 828915 | 1 | PASS | 0.285 | 0.512 | 0.058 | 112.80 | 0.28 | | | | |
| 828916 | 1 | PASS | 0.637 | 1.219 | 0.054 | 129.40 | 0.64 | | | | |
| 828917 | 1 | PASS | 0.400 | 0.184 | 0.616 | 76.50 | 0.40 | | | | |
| 828918 | 1 | PASS | 0.037 | -0.197 | 0.271 | 898.30 | 0.037 | | | | |
| 828919 | 1 | PASS | 0.120 | 0.044 | 0.197 | 90.16 | 0.12 | | | | |

Sample Name: CalibStd-Blk Acquired: 5/19/2010 20:31:22 Type: Cal
 Method: 6010B(v51) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0029 | -0.0006 | .0005 | .0004 | -0.0002 |
| Siddev | .0043 | .0003 | .0004 | .0002 | .0003 |
| %RSD | 149.9 | 45.79 | 70.17 | 62.66 | 138.3 |

| | | | | | |
|----|---------|---------|-------|-------|---------|
| #1 | -0.0059 | -0.0009 | .0007 | .0002 | -0.0004 |
| #2 | .0002 | -0.0004 | .0003 | .0005 | .0000 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (454) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0010 | .0001 | -0.0023 | -0.0034 | -0.0004 |
| Siddev | .0005 | .0003 | .0005 | .0002 | .0002 |
| %RSD | 50.87 | 208.9 | 21.79 | 5.707 | 49.02 |

| | | | | | |
|----|---------|---------|---------|---------|---------|
| #1 | -0.0014 | .0003 | -0.0027 | -0.0032 | -0.0006 |
| #2 | -0.0006 | -0.0001 | -0.0020 | -0.0035 | -0.0003 |

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .2016 | -0.0098 | -0.0126 | .0008 | .0018 |
| Siddev | .0044 | .0012 | .0001 | .0005 | .0003 |
| %RSD | 2.195 | 12.72 | .6560 | 67.19 | 16.36 |

| | | | | | |
|----|-------|---------|---------|-------|-------|
| #1 | .1985 | -0.0107 | -0.0125 | .0004 | .0015 |
| #2 | .2047 | -0.0089 | -0.0126 | .0012 | .0020 |

Sample Name: CalibStd-Blk Acquired: 5/19/2010 20:31:22 Type: Cal
 Method: 6010B(v51) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0001 | -0.0122 | .0035 | -0.0001 | -0.0043 |
| Siddev | .0001 | .0031 | .0001 | .0001 | .0037 |
| %RSD | 82.64 | 25.34 | 1.615 | 55.19 | 86.87 |

| | | | | | |
|----|---------|---------|-------|---------|---------|
| #1 | -0.0001 | -0.0100 | .0035 | -0.0002 | -0.0017 |
| #2 | .0000 | -0.0144 | .0034 | -0.0001 | -0.0069 |

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0004 | .0021 | .0809 | .0001 | .0052 |
| Siddev | .0001 | .0002 | .0031 | .0000 | .0002 |
| %RSD | 12.86 | 9.064 | 3.896 | 5.587 | 4.675 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .0004 | .0020 | .0831 | .0001 | .0050 |
| #2 | .0004 | .0023 | .0786 | .0001 | .0054 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0185 | -0.0035 | -0.0065 | .0019 |
| Siddev | .0015 | .0002 | .0017 | .0004 |
| %RSD | 7.846 | 5.728 | 26.45 | 22.80 |

| | | | | |
|----|---------|---------|---------|-------|
| #1 | -0.0195 | -0.0033 | -0.0053 | .0016 |
| #2 | -0.0175 | -0.0036 | -0.0078 | .0022 |

Sample Name: CalibStd-Blk Acquired: 5/19/2010 20:31:22 Type: Cal
 Method: 6010B(v51) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 445.81 | 3331.9 | 3811.4 | 5032.3 |
| Siddev | 1.29 | 1.1 | 4.3 | 24.9 |
| %RSD | .28982 | .03183 | .11367 | .49426 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 446.73 | 3332.7 | 3808.3 | 5049.9 |
| #2 | 444.90 | 3331.2 | 3814.5 | 5014.7 |

Analyst: JSW

Sample Name: STD7 Acquired: 5/19/2010 20:35:15 Type: Cal
 Method: 6010B(v51) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 { 85} | 318.128 {106} | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.750 | .8191 | 10.04 | 1.803 | .9681 |
| Stddev | .008 | .0014 | .01 | .003 | .0002 |
| %RSD | .2797 | .1767 | .1425 | .1469 | .0187 |
| #1 | 2.755 | .8201 | 10.05 | 1.805 | .9682 |
| #2 | 2.744 | .8181 | 10.03 | 1.801 | .9679 |

| | |
|--------|---------------|
| Elem | Na-LL |
| Line | 589.592 { 57} |
| IS Ref | (Y_HWRD) |
| Units | Cts/S |
| Avg | 5.856 |
| Stddev | .017 |
| %RSD | .2906 |
| #1 | 5.868 |
| #2 | 5.844 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_HWRD |
| Line | 224.306 {150} | 371.030 { 91} |
| Units | Cts/S | Cts/S |
| Avg | 3298.8 | 4980.2 |
| Stddev | 14.0 | 12.7 |
| %RSD | .42402 | .25420 |
| #1 | 3288.9 | 4971.3 |
| #2 | 3308.7 | 4989.2 |

Sample Name: STD8 Acquired: 5/19/2010 20:39:07 Type: Cal
 Method: 6010B(v51) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 (479) | 220.353 (453) | 206.833 (463) | 196.090 (472) | 189.989 (477)2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0604 | 2.819 | .0762 | .0420 | .0834 |
| Stddev | .0002 | .013 | .0000 | .0002 | .0001 |
| %RSD | .2602 | .4519 | .0146 | .3826 | .1254 |
| #1 | .0605 | 2.810 | .0762 | .0421 | .0833 |
| #2 | .0602 | 2.828 | .0762 | .0419 | .0835 |

| | |
|--------|---------------|
| Elem | Tl-LL |
| Line | 190.856 (477) |
| IS Ref | (In2306) |
| Units | Cts/S |
| Avg | .8664 |
| Stddev | .0085 |
| %RSD | .9850 |
| #1 | .8604 |
| #2 | .8724 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | In2306 | Y_-LWAX |
| Line | 230.606 (446) | 224.306 (450) |
| Units | Cts/S | Cts/S |
| Avg | 449.99 | 3849.2 |
| Stddev | 2.37 | 19.2 |
| %RSD | .52571 | .49948 |
| #1 | 451.66 | 3862.8 |
| #2 | 448.31 | 3835.6 |

Sample Name: STD4 Acquired: 5/19/2010 20:43:06 Type: Cal
Method: 6010B(v51) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | B-LL | Ba-LL | Be-LL | Cd-HL |
| Line | 328.068 {103}2 | 208.959 {461} | 233.527 {144} | 313.042 {108} | 228.802 {447} |
| IS Ref | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.556 | .3333 | .1007 | 2.584 | .7822 |
| Stddev | .001 | .0010 | .0012 | .014 | .0029 |
| %RSD | .0423 | .2996 | 1.194 | .5246 | .3717 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.557 | .3326 | .0999 | 2.574 | .7801 |
| #2 | 2.555 | .3340 | .1016 | 2.593 | .7843 |

| | | | | | |
|--------|---------------|---------------|----------------|----------------|---------------|
| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
| Line | 228.616 {447} | 205.552 {464} | 324.754 {104}2 | 257.610 {131}2 | 202.030 {467} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .9127 | .6955 | 6.833 | 23.05 | .8736 |
| Stddev | .0030 | .0014 | .001 | .00 | .0051 |
| %RSD | .3258 | .2018 | .0070 | .0106 | .5884 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .9106 | .6946 | 6.833 | 23.05 | .8700 |
| #2 | .9148 | .6965 | 6.832 | 23.05 | .8772 |

| | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|
| Elem | Ni-LL | P-HL | Si-LL | Sr-LL | Ti-LL |
| Line | 231.604 {445} | 178.284 {489} | 288.158 {117} | 407.771 { 83} | 334.904 {101}2 |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .5920 | .0368 | 5.123 | 77.15 | 6.583 |
| Stddev | .0008 | .0000 | .007 | .03 | .003 |
| %RSD | .1273 | .0894 | .1330 | .0341 | .0409 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .5915 | .0368 | 5.119 | 77.13 | 6.585 |
| #2 | .5926 | .0369 | 5.128 | 77.17 | 6.581 |

Sample Name: STD4 Acquired: 5/19/2010 20:43:06 Type: Cal
Method: 6010B(v51) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | |
|--------|----------------|---------------|
| Elem | V-LL | Zn-LL2 |
| Line | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S |
| Avg | 3.816 | 1.565 |
| Stddev | .006 | .002 |
| %RSD | .1612 | .1386 |

| | | |
|----|-------|-------|
| #1 | 3.820 | 1.564 |
| #2 | 3.812 | 1.567 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 224.306 {150} | 224.306 {450} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 3458.0 | 3834.5 | 5005.0 |
| Stddev | 9.0 | 23.7 | 13.9 |
| %RSD | .25969 | .61803 | .27772 |

| | | | |
|----|--------|--------|--------|
| #1 | 3451.7 | 3817.8 | 5014.8 |
| #2 | 3464.4 | 3851.3 | 4995.2 |

Sample Name: ICV Acquired: 5/19/2010 20:47:06 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 482.4 | 26490. | 263.3 | 502.2 | 491.6 |
| Stddev | .5 | 4. | .1 | 1.2 | 4.2 |
| %RSD | .1075 | .0169 | .0560 | .2293 | .8512 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 482.1 | 26490. | 263.5 | 501.4 | 494.6 |
| #2 | 482.8 | 26490. | 263.2 | 503.1 | 488.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 511.6 | 25740. | 489.0 | 483.6 | 491.2 |
| Stddev | .2 | 243. | .5 | .4 | 1.0 |
| %RSD | .0428 | .9423 | .1087 | .0785 | .1999 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 511.7 | 25570. | 488.6 | 483.4 | 490.5 |
| #2 | 511.4 | 25910. | 489.3 | 483.9 | 491.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/19/2010 20:47:06 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 467.4 | 25470. | 26060. | 25270. | 478.1 |
| Stddev | 1.1 | 16. | 140. | 26. | .2 |
| %RSD | .2360 | .0634 | .5356 | .1044 | .0349 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 466.6 | 25480. | 26150. | 25250. | 477.9 |
| #2 | 468.2 | 25460. | 25960. | 25280. | 478.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 518.5 | 25530. | 472.9 | 523.2 | 1026. |
| Stddev | 2.0 | 2. | .0 | 6.7 | 6. |
| %RSD | .3902 | .0088 | .0103 | 1.289 | .6106 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 517.0 | 25520. | 473.0 | 518.4 | 1022. |
| #2 | 519.9 | 25530. | 472.9 | 527.9 | 1031. |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/19/2010 20:47:06 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 250.8 | 257.4 | 263.7 | 228.1 | 488.7 |
| Stddev | 1.5 | 6.7 | .1 | 2.5 | 5.5 |
| %RSD | .6091 | 2.611 | .0563 | 1.077 | 1.128 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 251.9 | 262.2 | 263.6 | 229.9 | 484.8 |
| #2 | 249.8 | 252.7 | 263.8 | 226.4 | 492.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 506.9 | 249.2 | 506.0 | 507.1 |
| Stddev | .6 | 3.0 | .8 | .4 |
| %RSD | .1197 | 1.221 | .1624 | .0837 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 506.4 | 247.0 | 506.6 | 506.8 |
| #2 | 507.3 | 251.3 | 505.4 | 507.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/19/2010 20:47:06 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 416.76 | 3423.6 | 3781.7 | 4935.6 |
| Stddev | 4.47 | 2.2 | 8.9 | 37.5 |
| %RSD | 1.0720 | .06436 | .23487 | .75882 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 419.92 | 3422.1 | 3787.9 | 4962.1 |
| #2 | 413.60 | 3425.2 | 3775.4 | 4909.1 |

Sample Name: ICB Acquired: 5/19/2010 20:51:01 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.009 | 19.15 | 2.148 | 2.165 | 1.181 |
| Stddev | .341 | 15.33 | 2.816 | .999 | .892 |
| %RSD | 33.77 | 80.04 | 131.1 | 46.16 | 75.52 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -1.250 | 8.310 | .1567 | 2.872 | .5505 |
| #2 | -.7679 | 29.99 | 4.140 | 1.458 | 1.812 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4143 | -33.10 | .3490 | .4185 | .2358 |
| Stddev | .1205 | 46.03 | .1257 | .3484 | .1719 |
| %RSD | 29.09 | 139.0 | 36.00 | 83.25 | 72.90 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .4996 | -.5563 | .2602 | .1721 | .3574 |
| #2 | .3291 | -65.65 | .4378 | .6648 | .1143 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/19/2010 20:51:01 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.562 | 5.169 | 51.22 | 1.257 | .2571 |
| Stddev | .240 | 2.275 | 12.45 | 24.33 | .0675 |
| %RSD | 15.36 | 44.01 | 24.30 | 1936. | 26.24 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -1.392 | 3.561 | 60.02 | -15.95 | .2094 |
| #2 | -1.731 | 6.778 | 42.41 | 18.46 | .3048 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.448 | -20.68 | -1.025 | -2.251 | -1.393 |
| Stddev | .264 | 12.05 | .4430 | .411 | .004 |
| %RSD | 10.77 | 58.27 | 432.3 | 18.27 | .3120 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | 2.634 | -29.19 | -4.157 | -1.961 | -1.390 |
| #2 | 2.262 | -12.16 | .2108 | -2.542 | -1.396 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/19/2010 20:51:01 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.264 | -1.635 | -.5564 | .5873 | .2292 |
| Stddev | .085 | 3.239 | 1.359 | 1.182 | .0007 |
| %RSD | 6.728 | 198.0 | 244.3 | 201.3 | .3099 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 1.325 | -3.926 | -1.517 | 1.423 | .2287 |
| #2 | 1.204 | .6548 | .4046 | -.2485 | .2297 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .6739 | .3262 | 1.548 | .3694 |
| Stddev | .0429 | .6240 | .713 | .3028 |
| %RSD | 6.371 | 191.3 | 46.07 | 81.96 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | .6435 | -.1150 | 1.044 | .5835 |
| #2 | .7042 | .7674 | 2.052 | .1553 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/19/2010 20:51:01 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 449.10 | 3473.3 | 3826.0 | 4926.1 |
| Stddev | 1.15 | 5.1 | 8.6 | 3.9 |
| %RSD | .25648 | .14627 | .22480 | .07931 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 448.29 | 3476.9 | 3819.9 | 4928.9 |
| #2 | 449.92 | 3469.7 | 3832.1 | 4923.4 |

UCL 583.83 4575.29 4973.80 6403.93
 LCL 314.37 2431.31 2678.20 3448.27

Sample Name: ICSA Acquired: 5/19/2010 20:54:57 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.599 | 516100. | 3.507 | 1.136 | .3916 |
| Stddev | .068 | 1172. | 3.603 | 1.100 | 2.888 |
| %RSD | 4.217 | .2272 | 102.8 | 96.82 | 737.4 |

| | | | | | |
|----|--------|---------|-------|-------|--------|
| #1 | -1.552 | 515300. | .9586 | 1.914 | -1.651 |
| #2 | -1.647 | 516900. | 6.055 | .3583 | 2.434 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1360 | 500900. | .7846 | 2.490 | 7.455 |
| Stddev | .1929 | .136 | .0859 | .186 | .507 |
| %RSD | 141.9 | .0272 | 10.95 | 7.452 | 6.801 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -.0004 | 501000. | .7239 | 2.622 | 7.096 |
| #2 | .2724 | 500800. | .8454 | 2.359 | 7.813 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: ICSA Acquired: 5/19/2010 20:54:57 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.155 | 189300. | 46.51 | 497900. | .2988 |
| Stddev | .513 | 226. | 51.15 | 286. | .0777 |
| %RSD | 12.36 | .1195 | 110.0 | .0574 | 25.99 |

| | | | | | |
|----|--------|---------|-------|---------|-------|
| #1 | -3.792 | 189500. | 10.35 | 497700. | .2439 |
| #2 | -4.519 | 189200. | 82.68 | 498100. | .3537 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.066 | 33.93 | .9133 | -8.110 | 4.464 |
| Stddev | .550 | 11.67 | .3569 | 1.777 | 1.067 |
| %RSD | 51.65 | 34.38 | 39.08 | 21.91 | 23.91 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | .6765 | 25.68 | 1.166 | -9.367 | 5.218 |
| #2 | 1.455 | 42.18 | .6609 | -6.854 | 3.709 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: ICSA Acquired: 5/19/2010 20:54:57 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.211 | 1.884 | 2.519 | -2.766 | 15.30 |
| Stddev | 2.147 | 4.134 | .300 | .385 | .00 |
| %RSD | 97.12 | 219.4 | 11.90 | 13.92 | .0127 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | 3.729 | -1.039 | 2.307 | -2.494 | 15.30 |
| #2 | .6924 | 4.808 | 2.731 | -3.039 | 15.30 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.158 | 5.810 | -3.991 | 6.347 |
| Stddev | .356 | 1.341 | .996 | .608 |
| %RSD | 4.366 | 23.08 | 24.94 | 9.581 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 8.410 | 6.759 | -3.287 | 5.917 |
| #2 | 7.906 | 4.862 | -4.695 | 6.777 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: ICSA Acquired: 5/19/2010 20:54:57 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 353.65 | 3167.0 | 3486.9 | 4818.7 |
| Stddev | 2.15 | 3.6 | 4.1 | 35.1 |
| %RSD | .60839 | .11472 | .11828 | .72848 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 352.13 | 3169.5 | 3489.8 | 4843.5 |
| #2 | 355.17 | 3164.4 | 3483.9 | 4793.9 |

Sample Name: ICSAB Acquired: 5/19/2010 20:58:44 Type: QC
Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 186.2 | 507200. | 99.72 | 1417. | 458.8 |
| Stddev | .7 | 110. | 3.66 | 3. | 6.2 |
| %RSD | .3726 | .0216 | 3.668 | .1996 | 1.352 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 186.7 | 507300. | 97.13 | 1415. | 454.4 |
| #2 | 185.7 | 507200. | 102.3 | 1419. | 463.2 |

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 494.9 | 492300. | 951.1 | 449.1 | 483.0 |
| Stddev | .1 | 162. | .2 | .2 | .5 |
| %RSD | .0203 | .0329 | .0253 | .0517 | .1010 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 494.9 | 492500. | 951.2 | 449.3 | 483.4 |
| #2 | 494.8 | 492200. | 950.9 | 449.0 | 482.7 |

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | |
| Range | | | | | |

Sample Name: ICSAB Acquired: 5/19/2010 20:58:44 Type: QC
Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 461.6 | 187900. | 33.99 | 486000. | 462.3 |
| Stddev | 2.5 | 230. | 72.96 | 17. | .3 |
| %RSD | .5308 | .1222 | 214.6 | .0034 | .0655 |

| | | | | | |
|----|-------|---------|--------|---------|-------|
| #1 | 463.4 | 188100. | -17.60 | 486000. | 462.1 |
| #2 | 459.9 | 187800. | 85.58 | 486000. | 462.5 |

| | | | | | |
|---------|----------|----------|------|------|----------|
| Check ? | Chk Pass | Chk Pass | None | None | Chk Pass |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 988.1 | 54.90 | 884.7 | 505.7 | 48.62 |
| Stddev | 4.2 | 22.58 | .2 | 2.7 | 2.78 |
| %RSD | .4264 | 41.12 | .0259 | .5397 | 5.707 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 985.2 | 70.87 | 884.6 | 507.7 | 46.65 |
| #2 | 991.1 | 38.94 | 884.9 | 503.8 | 50.58 |

| | | | | | |
|---------|----------|------|----------|----------|----------|
| Check ? | Chk Pass | None | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | |
| Range | | | | | |

Sample Name: ICSAB Acquired: 5/19/2010 20:58:44 Type: QC
Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 571.2 | 45.45 | 960.4 | 1416. | 239.1 |
| Stddev | 2.6 | 3.62 | 4.0 | 5. | .0 |
| %RSD | .4593 | 7.966 | .4115 | .3650 | .0085 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 573.0 | 42.89 | 963.2 | 1419. | 239.1 |
| #2 | 569.3 | 48.01 | 957.6 | 1412. | 239.1 |

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 490.8 | 94.63 | 490.4 | 991.1 |
| Stddev | .4 | 2.86 | 2.0 | 2.3 |
| %RSD | .0838 | 3.027 | .4131 | .2291 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 491.0 | 92.61 | 489.0 | 992.7 |
| #2 | 490.5 | 96.66 | 491.8 | 989.5 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | |
| Range | | | | |

Sample Name: ICSAB Acquired: 5/19/2010 20:58:44 Type: QC
Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 353.17 | 3178.2 | 3492.5 | 4811.2 |
| Stddev | .17 | 1.3 | 8.3 | 5.0 |
| %RSD | .04695 | .04197 | .23641 | .10477 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 353.05 | 3177.2 | 3486.7 | 4807.7 |
| #2 | 353.28 | 3179.1 | 3498.3 | 4814.8 |

Sample Name: CRI Acquired: 5/19/2010 21:02:32 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.762 | F 326.2 | 9.567 | 106.5 | 192.8 |
| Stddev | .174 | 62.8 | 1.502 | .2 | 5.1 |
| %RSD | 1.783 | 19.27 | 15.70 | .1609 | 2.651 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 9.885 | 281.8 | 8.504 | 106.7 | 196.4 |
| #2 | 9.639 | 370.7 | 10.63 | 106.4 | 189.2 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 300.0 | | | |
| Low Limit | | 100.0 | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.290 | 5283. | 5.041 | 49.69 | 10.24 |
| Stddev | .007 | 40. | .316 | .49 | .31 |
| %RSD | .1274 | .7592 | 6.271 | .9918 | 3.052 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 5.295 | 5255. | 5.265 | 49.34 | 10.46 |
| #2 | 5.286 | 5312. | 4.818 | 50.04 | 10.02 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CRI Acquired: 5/19/2010 21:02:32 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.30 | 239.2 | 5325. | 5195. | 15.19 |
| Stddev | .16 | 27.7 | 21. | 57. | .06 |
| %RSD | .7333 | 11.60 | .3985 | 1.091 | .3660 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 21.41 | 219.6 | 5310. | 5155. | 15.15 |
| #2 | 21.19 | 258.8 | 5340. | 5235. | 15.23 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.43 | 5188. | 38.19 | 268.4 | 8.018 |
| Stddev | .64 | 28. | .49 | 5.9 | .350 |
| %RSD | 4.788 | .5402 | 1.292 | 2.201 | 4.360 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 13.88 | 5168. | 38.54 | 264.2 | 8.265 |
| #2 | 12.97 | 5208. | 37.84 | 272.6 | 7.771 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CRI Acquired: 5/19/2010 21:02:32 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 59.75 | 32.16 | 105.5 | 19.17 | 20.99 |
| Stddev | 2.69 | 1.29 | 1.6 | .75 | .01 |
| %RSD | 4.507 | 4.014 | 1.530 | 3.919 | .0286 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 61.65 | 33.07 | 106.6 | 18.64 | 21.00 |
| #2 | 57.85 | 31.25 | 104.3 | 19.70 | 20.99 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 21.50 | 25.76 | 50.19 | 21.28 |
| Stddev | .46 | 1.07 | .61 | .44 |
| %RSD | 2.161 | 4.151 | 1.217 | 2.055 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 21.83 | 25.00 | 49.76 | 20.97 |
| #2 | 21.18 | 26.51 | 50.62 | 21.59 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CRI Acquired: 5/19/2010 21:02:32 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 444.51 | 3509.9 | 3842.5 | 4930.0 |
| Stddev | .28 | 2.8 | 2.1 | 2.1 |
| %RSD | .06280 | .07937 | .05554 | .04231 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 444.31 | 3511.8 | 3844.0 | 4931.4 |
| #2 | 444.71 | 3507.9 | 3841.0 | 4928.5 |

Sample Name: LRV Acquired: 5/19/2010 21:06:24 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.060 | 600700. | 2052. | 1.838 | 3800. |
| Stddev | .236 | 284. | 6. | .118 | 16. |
| %RSD | 22.24 | .0472 | .2712 | 6.437 | .4244 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -1.227 | 600900. | 2048. | 1.754 | 3812. |
| #2 | -.8936 | 600500. | 2056. | 1.922 | 3789. |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-LL | Co-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1959. | 574500. | 1927. | F 3545. | 3837. |
| Stddev | 4. | 1535. | 5. | 6. | 22. |
| %RSD | .1972 | .2672 | .2694 | .1735 | .5639 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 1962. | 575600. | 1931. | 3549. | 3852. |
| #2 | 1957. | 573400. | 1923. | 3540. | 3822. |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | 4400. | |
| Low Limit | | | | 3600. | |

Sample Name: LRV Acquired: 5/19/2010 21:06:24 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3933. | 275300. | 105200. | 569700. | 3658. |
| Stddev | 4. | 245. | 282. | 1383. | . |
| %RSD | .1035 | .0889 | .2683 | .2428 | .0027 |

| | | | | | |
|----|-------|---------|---------|---------|-------|
| #1 | 3930. | 275100. | 105400. | 570700. | 3658. |
| #2 | 3936. | 275400. | 105000. | 568700. | 3658. |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8444 | 102200. | F 3478. | -5.872 | 4070. |
| Stddev | .1744 | 271. | 2. | 2.853 | 8. |
| %RSD | 20.66 | .2651 | .0580 | 48.59 | .1936 |

| | | | | | |
|----|-------|---------|-------|--------|-------|
| #1 | .9677 | 102400. | 3476. | -7.890 | 4064. |
| #2 | .7210 | 102000. | 3479. | -3.855 | 4075. |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass |
| High Limit | | | 4400. | | |
| Low Limit | | | 3600. | | |

Sample Name: LRV Acquired: 5/19/2010 21:06:24 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3906. | 1921. | 38.05 | -5856 | 3.648 |
| Stddev | 1. | 9. | 4.60 | .7636 | .011 |
| %RSD | .0271 | .4512 | 12.10 | 130.4 | .2954 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | 3906. | 1914. | 41.30 | -.0457 | 3.656 |
| #2 | 3907. | 1927. | 34.79 | -1.125 | 3.641 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9.276 | 1903. | 3981. | 4045. |
| Stddev | .124 | 2. | 12. | 22. |
| %RSD | 1.341 | .0981 | .2947 | .5533 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 9.188 | 1904. | 3972. | 4061. |
| #2 | 9.364 | 1902. | 3989. | 4029. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: LRV Acquired: 5/19/2010 21:06:24 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 345.17 | 3111.6 | 3378.5 | 4730.6 |
| Stddev | 1.57 | 4.8 | 18.5 | 4.9 |
| %RSD | .45415 | .15458 | .54687 | .10461 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 344.07 | 3115.0 | 3366.4 | 4727.1 |
| #2 | 346.28 | 3108.2 | 3392.6 | 4734.1 |

Sample Name: CCV Acquired: 5/19/2010 21:10:15 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 95.09 | 30140. | 103.8 | 732.9 | 204.2 |
| Stddev | .14 | 31. | .8 | 2.9 | 2.3 |
| %RSD | .1463 | .1015 | .8054 | .4005 | 1.106 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 94.99 | 30120. | 103.3 | 730.9 | 202.6 |
| #2 | 95.19 | 30160. | 104.4 | 735.0 | 205.8 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.1 | 29900. | 99.45 | 191.5 | 199.0 |
| Stddev | .7 | 80. | .01 | 1.1 | .1 |
| %RSD | .7300 | .2672 | .0144 | .5630 | .0739 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 100.6 | 29960. | 99.44 | 190.7 | 198.9 |
| #2 | 99.58 | 29850. | 99.46 | 192.2 | 199.1 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCV Acquired: 5/19/2010 21:10:15 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | F 179.9 | 28910. | 29930. | 30210. | 187.8 |
| Stddev | .9 | 72. | 13. | 71. | .7 |
| %RSD | .5166 | .2476 | .0444 | .2344 | .3821 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 179.2 | 28860. | 29930. | 30160. | 187.3 |
| #2 | 180.6 | 28960. | 29920. | 30260. | 188.3 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | 220.0 | | | | |
| Low Limit | 180.0 | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.8 | 30150. | 187.4 | 208.6 | 403.4 |
| Stddev | 1.3 | 1. | .3 | 2.9 | .7 |
| %RSD | .6432 | .0023 | .1850 | 1.396 | .1770 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 199.8 | 30150. | 187.2 | 206.6 | 403.9 |
| #2 | 201.7 | 30150. | 187.7 | 210.7 | 402.9 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCV Acquired: 5/19/2010 21:10:15 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 294.7 | 102.5 | 977.9 | 201.1 | 298.6 |
| Stddev | 2.4 | 4.7 | 1.0 | 1.8 | 1.3 |
| %RSD | .8197 | 4.581 | .1040 | .8733 | .4316 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 293.0 | 99.20 | 977.2 | 199.9 | 297.7 |
| #2 | 296.4 | 105.8 | 978.7 | 202.3 | 299.5 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 392.5 | 103.8 | 195.8 | 204.8 |
| Stddev | 1.0 | 2.0 | 1.5 | .9 |
| %RSD | .2425 | 1.904 | .7425 | .4204 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 391.8 | 105.2 | 194.8 | 204.2 |
| #2 | 393.1 | 102.4 | 196.8 | 205.4 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCV Acquired: 5/19/2010 21:10:15 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 413.99 | 3454.6 | 3762.4 | 4875.9 |
| Stddev | 1.70 | 12.4 | 6.6 | 23.4 |
| %RSD | .41069 | .35950 | .17427 | .48037 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 412.78 | 3463.3 | 3757.7 | 4892.4 |
| #2 | 415.19 | 3445.8 | 3767.0 | 4859.3 |

Sample Name: CCB Acquired: 5/19/2010 21:14:04 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.777 | 11.24 | 2.494 | 1.600 | -2.880 |
| Stddev | .1454 | 8.70 | 2.458 | 1.100 | 1.597 |
| %RSD | 25.16 | 77.38 | 98.57 | 68.75 | 55.44 |
| #1 | -6.805 | 17.39 | 4.232 | 2.378 | -1.751 |
| #2 | -4.749 | 5.092 | .7556 | .8221 | -4.009 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2191 | -42.98 | .1280 | .5552 | .5215 |
| Stddev | .1096 | 70.91 | .1841 | .5174 | .5973 |
| %RSD | 50.02 | 165.0 | 143.8 | 93.19 | 114.5 |
| #1 | .2966 | -93.12 | -.0022 | .1894 | .9439 |
| #2 | .1416 | 7.163 | .2582 | .9211 | .0991 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/19/2010 21:14:04 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.610 | -10.92 | 112.5 | -14.79 | .0735 |
| Stddev | .394 | 3.22 | 80.4 | 26.99 | .0542 |
| %RSD | 10.92 | 29.46 | 71.43 | 182.5 | 73.81 |
| #1 | -3.889 | -13.19 | 55.69 | -33.87 | .1118 |
| #2 | -3.331 | -8.642 | 169.3 | 4.292 | .0351 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8502 | -8.232 | .4147 | -4.228 | -1.057 |
| Stddev | .0250 | 10.08 | .6748 | 3.253 | .326 |
| %RSD | 2.935 | 122.5 | 162.7 | 76.94 | 30.80 |
| #1 | .8678 | -1.103 | -.0625 | -1.928 | -1.288 |
| #2 | .8325 | -15.36 | .8918 | -6.529 | -8.270 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/19/2010 21:14:04 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.400 | -1.177 | -1.106 | -.4037 | .0141 |
| Stddev | 2.412 | 1.126 | .858 | 1.959 | .0039 |
| %RSD | 172.3 | 95.63 | 77.60 | 485.2 | 27.46 |
| #1 | -.3059 | -.3812 | -1.712 | .9814 | .0168 |
| #2 | 3.105 | -1.973 | -.4989 | -1.789 | .0113 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .5096 | 1.336 | .1634 | .1239 |
| Stddev | .5413 | 1.229 | .6584 | .2910 |
| %RSD | 106.2 | 91.97 | 402.9 | 234.9 |
| #1 | .8924 | .4673 | -.3021 | -.0819 |
| #2 | .1268 | 2.206 | .6290 | .3296 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/19/2010 21:14:04 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 450.67 | 3506.7 | 3802.4 | 4829.8 |
| Stddev | .68 | 1.9 | 6.5 | 10.7 |
| %RSD | .15162 | .05552 | .17074 | .22180 |
| #1 | 451.15 | 3505.3 | 3797.8 | 4822.3 |
| #2 | 450.19 | 3508.1 | 3807.0 | 4837.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: PBS051310D Acquired: 5/19/2010 21:17:59 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2124 | -9.543 | 1.108 | 2.457 | -.9567 |
| Stddev | .1405 | 23.91 | 2.219 | 1.108 | 1.409 |
| %RSD | 66.16 | 250.5 | 200.4 | 45.11 | 147.3 |

| | | | | | |
|----|-------|--------|--------|-------|--------|
| #1 | .3117 | 7.364 | -.4618 | 1.673 | -1.953 |
| #2 | .1130 | -26.45 | 2.677 | 3.241 | .0399 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0795 | 39.58 | .3602 | .0767 | -.4242 |
| Stddev | .0899 | 17.94 | .0274 | .0239 | .0239 |
| %RSD | 113.0 | 45.33 | 7.618 | 352.5 | 5.632 |

| | | | | | |
|----|-------|-------|-------|--------|--------|
| #1 | .1431 | 52.27 | .3796 | .2678 | -.4073 |
| #2 | .0160 | 26.90 | .3408 | -.1144 | -.4410 |

Check ? Value Range
 None None None None None

Sample Name: PBS051310D Acquired: 5/19/2010 21:17:59 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.205 | 5.339 | 75.74 | -56.13 | .0880 |
| Stddev | .243 | 2.892 | 89.86 | 6.49 | .0799 |
| %RSD | 11.02 | 54.16 | 118.6 | 11.56 | 90.79 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -2.377 | 7.384 | 12.20 | -51.55 | .1445 |
| #2 | -2.033 | 3.295 | 139.3 | -60.72 | .0315 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2069 | 2.682 | -.4756 | 4.286 | .6452 |
| Stddev | .4334 | 4.194 | .0751 | 2.463 | 3.024 |
| %RSD | 209.5 | 156.4 | 15.78 | 57.48 | 468.7 |

| | | | | | |
|----|--------|--------|--------|-------|--------|
| #1 | -.0996 | -.2837 | -.4225 | 6.028 | -1.493 |
| #2 | .5134 | 5.648 | -.5287 | 2.544 | 2.783 |

Check ? Value Range
 None None None None None

Sample Name: PBS051310D Acquired: 5/19/2010 21:17:59 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.116 | -2.944 | 8.579 | 16.91 | .0094 |
| Stddev | .441 | .722 | 2.619 | .52 | .0197 |
| %RSD | 39.51 | 24.54 | 30.53 | 3.077 | 208.0 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -.8046 | -2.433 | 10.43 | 16.54 | -.0044 |
| #2 | -1.428 | -3.454 | 6.727 | 17.28 | .0233 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.130 | -1.533 | -.2506 | 1.075 |
| Stddev | 1.317 | 1.803 | .6918 | .031 |
| %RSD | 116.6 | 117.6 | 276.1 | 2.886 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .1984 | -.2588 | .2386 | 1.097 |
| #2 | 2.061 | -2.808 | -.7397 | 1.053 |

Check ? Value Range
 None None None None

Sample Name: PBS051310D Acquired: 5/19/2010 21:17:59 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 452.52 | 3544.6 | 3857.6 | 4954.1 |
| Stddev | 40 | 15.6 | 5.6 | 14.4 |
| %RSD | .08948 | .43982 | .14541 | .29082 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 452.81 | 3555.6 | 3853.6 | 4964.3 |
| #2 | 452.24 | 3533.6 | 3861.6 | 4943.9 |

Sample Name: LCSS051310D Acquired: 5/19/2010 21:21:53 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 243.9 | 2279. | 249.2 | 479.5 | 2081. |
| Stddev | 1.4 | 19. | 2.8 | 1.2 | 13. |
| %RSD | .5842 | .8131 | 1.126 | .2593 | .6353 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 244.9 | 2265. | 251.2 | 480.3 | 2090. |
| #2 | 242.9 | 2292. | 247.3 | 478.6 | 2071. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (454) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 55.78 | 20820. | 250.4 | 458.9 | 220.4 |
| Stddev | .01 | 202. | .2 | .2 | .4 |
| %RSD | .0166 | .9714 | .0981 | .0521 | .1813 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 55.78 | 20680. | 250.2 | 459.1 | 220.6 |
| #2 | 55.79 | 20960. | 250.6 | 458.7 | 220.1 |

Check ? Value Range
 None None None None None

Sample Name: LCSS051310D Acquired: 5/19/2010 21:21:53 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 253.7 | 1141. | 21070. | 20210. | 490.4 |
| Stddev | .1 | 6. | 3. | 24. | .4 |
| %RSD | .0408 | .4994 | .0141 | .1165 | .0819 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 253.7 | 1137. | 21070. | 20190. | 490.1 |
| #2 | 253.6 | 1145. | 21060. | 20230. | 490.7 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 514.2 | 20570. | 484.6 | 522.6 | 226.6 |
| Stddev | 1.5 | 53. | .2 | 4.0 | 3.0 |
| %RSD | .2888 | .2592 | .0512 | .7610 | 1.310 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 513.2 | 20610. | 484.8 | 525.4 | 224.5 |
| #2 | 515.3 | 20530. | 484.4 | 519.7 | 228.7 |

Check ? Value Range
 None None None None None

Sample Name: LCSS051310D Acquired: 5/19/2010 21:21:53 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 480.2 | 246.4 | 490.3 | 540.9 | 501.7 |
| Stddev | 3.6 | 1.2 | 1.5 | 3.1 | 1.4 |
| %RSD | .7541 | .5042 | .3008 | .5805 | .2805 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 477.7 | 247.3 | 491.4 | 543.1 | 500.7 |
| #2 | 482.8 | 245.5 | 489.3 | 538.7 | 502.7 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 502.6 | 253.2 | 503.4 | 504.5 |
| Stddev | .3 | 1.3 | 1.1 | .1 |
| %RSD | .0593 | .5317 | .2180 | .0133 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 502.4 | 252.2 | 502.6 | 504.4 |
| #2 | 502.8 | 254.2 | 504.2 | 504.5 |

Check ? Value Range
 None None None None

Sample Name: LCSS051310D Acquired: 5/19/2010 21:21:53 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 420.26 | 3443.3 | 3759.6 | 4847.3 |
| Stddev | 51 | 22.0 | .8 | 34.7 |
| %RSD | .12214 | .63836 | .02197 | .71533 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 420.62 | 3458.8 | 3759.0 | 4871.8 |
| #2 | 419.90 | 3427.7 | 3760.2 | 4822.8 |

Sample Name: 829512 Acquired: 5/19/2010 21:25:47 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 562.4 | 74440. | 1438. | 1137. | 2927. |
| Stddev | .8 | 96. | 1. | 2. | 8. |
| %RSD | .1473 | .1291 | .0943 | .1805 | .2804 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 563.0 | 74380. | 1437. | 1135. | 2933. |
| #2 | 561.8 | 74510. | 1439. | 1138. | 2922. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1457. | 65510. | 861.3 | 880.1 | 1724. |
| Stddev | 1. | 134. | 1.5 | 2. | . |
| %RSD | .0864 | .2048 | .1734 | .0196 | .0207 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 1456. | 65410. | 860.2 | 879.9 | 1723. |
| #2 | 1457. | 65600. | 862.3 | 880.2 | 1724. |

Check ? Value Range
 None None None None None

Sample Name: 829512 Acquired: 5/19/2010 21:25:47 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1901. | 118500. | 27870. | 29120. | 2983. |
| Stddev | 3. | 342. | 28. | 113. | . |
| %RSD | .1338 | .2889 | .1017 | .3875 | .0020 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 1903. | 118700. | 27850. | 29040. | 2983. |
| #2 | 1899. | 118200. | 27890. | 29200. | 2983. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1546. | 5272. | 1570. | 5299. | 1389. |
| Stddev | 3. | 6. | 2. | 16. | 8. |
| %RSD | .2067 | .1171 | .1138 | .2936 | .6039 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1544. | 5277. | 1568. | 5288. | 1383. |
| #2 | 1548. | 5268. | 1571. | 5310. | 1395. |

Check ? Value Range
 None None None None None

Sample Name: 829512 Acquired: 5/19/2010 21:25:47 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 704.3 | 440.6 | 10950. | 1762. | 2108. |
| Stddev | 2.7 | 1.5 | 34. | 1. | 10. |
| %RSD | .3889 | .3451 | .3132 | .0384 | .4641 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 702.3 | 439.6 | 10970. | 1761. | 2101. |
| #2 | 706.2 | 441.7 | 10920. | 1762. | 2115. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2354. | 1646. | 1412. | 2124. |
| Stddev | 6. | 16. | 5. | 2. |
| %RSD | .2653 | .9413 | .3198 | .0737 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2359. | 1635. | 1415. | 2123. |
| #2 | 2350. | 1657. | 1409. | 2125. |

Check ? Value Range
 None None None None

Sample Name: 829512 Acquired: 5/19/2010 21:25:47 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 405.11 | 3680.5 | 4011.3 | 5237.7 |
| Stddev | 1.71 | 9.3 | 1.5 | 7.9 |
| %RSD | .42241 | .25146 | .03724 | .15054 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 406.32 | 3674.0 | 4010.2 | 5237.3 |
| #2 | 403.90 | 3687.1 | 4012.3 | 5226.1 |

Sample Name: 829512L Acquired: 5/19/2010 21:29:45 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 612.1 | 81120. | 1563. | 1281. | 3159. |
| Stddev | .3 | 207. | 11. | . | 37. |
| %RSD | .0564 | .2557 | .7206 | .0303 | 1.174 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 612.3 | 81270. | 1555. | 1280. | 3185. |
| #2 | 611.8 | 80980. | 1571. | 1281. | 3133. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1569. | 70960. | 951.2 | 974.1 | 1873. |
| Stddev | 1. | 75. | 2.0 | 6.2 | 8. |
| %RSD | .0500 | .1051 | .2114 | .6348 | .4349 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 1569. | 70900. | 949.8 | 969.7 | 1867. |
| #2 | 1568. | 71010. | 952.6 | 978.4 | 1878. |

Check ? Value Range
 None None None None None

Sample Name: 829512L Acquired: 5/19/2010 21:29:45 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1932. | 128900. | 30130. | 31890. | 3314. |
| Stddev | 3. | 14. | 143. | 124. | 7. |
| %RSD | .1725 | .0111 | .4752 | .3891 | .2213 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 1935. | 128900. | 30230. | 31970. | 3319. |
| #2 | 1930. | 128900. | 30030. | 31800. | 3308. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1661. | 5769. | 1742. | 5735. | 1391. |
| Stddev | 4. | 174. | 6. | 8. | . |
| %RSD | .2409 | 3.010 | .3410 | .1468 | .0348 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1658. | 5891. | 1737. | 5741. | 1391. |
| #2 | 1664. | 5646. | 1746. | 5729. | 1391. |

Check ? Value Range
 None None None None None

Sample Name: 829512L Acquired: 5/19/2010 21:29:45 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 770.1 | 500.4 | 11980. | 1929. | 2335. |
| Stddev | 11.8 | 3.5 | 26. | 1. | 1. |
| %RSD | 1.527 | .7019 | .2146 | .0766 | .0224 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 761.8 | 497.9 | 11960. | 1928. | 2335. |
| #2 | 778.4 | 502.9 | 12000. | 1930. | 2335. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2468. | 1688. | 1510. | 2339. |
| Stddev | 1. | 8. | 4. | 6. |
| %RSD | .0324 | .4911 | .2635 | .2479 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 2468. | 1682. | 1513. | 2334. |
| #2 | 2469. | 1694. | 1507. | 2343. |

Check ? Value Range
 None None None None

Sample Name: 829512L Acquired: 5/19/2010 21:29:45 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 435.05 | 3558.9 | 3876.4 | 4974.5 |
| Stddev | .28 | 17.4 | 10.5 | 31.0 |
| %RSD | .06325 | .48994 | .27022 | .62224 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 434.85 | 3571.2 | 3869.0 | 4952.6 |
| #2 | 435.24 | 3546.6 | 3883.9 | 4996.4 |

Sample Name: 829712 Acquired: 5/19/2010 21:33:42 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 2.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7254 | 741.8 | 6373. | 123.9 | 59.96 |
| Stddev | 2.084 | 46.7 | 3. | .8 | 4.24 |
| %RSD | 286.8 | 6.300 | .0434 | .6521 | 7.066 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -2.200 | 774.8 | 6371. | 124.5 | 56.96 |
| #2 | .7469 | 708.7 | 6375. | 123.3 | 62.95 |

Check ? Value Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3826 | 278800. | 110.2 | -1.594 | 17.32 |
| Stddev | .1956 | 518. | .4 | .700 | .40 |
| %RSD | 51.11 | .1856 | .3994 | 43.89 | 2.336 |

| | | | | | |
|----|-------|---------|-------|--------|-------|
| #1 | .2443 | 279100. | 109.9 | -2.089 | 17.61 |
| #2 | .5209 | 278400. | 110.5 | -1.099 | 17.03 |

Check ? Value Range

Sample Name: 829712 Acquired: 5/19/2010 21:33:42 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 2.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.249 | 23.60 | 7666. | 441100. | 8.847 |
| Stddev | .132 | 22.66 | 62. | 260. | .177 |
| %RSD | 4.053 | 95.99 | .8061 | .0590 | 2.001 |

| | | | | | |
|----|-------|-------|-------|---------|-------|
| #1 | 3.342 | 7.582 | 7710. | 441300. | 8.722 |
| #2 | 3.156 | 39.62 | 7622. | 440900. | 8.972 |

Check ? Value Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.94 | 34840. | 4694. | 1787. | 8.091 |
| Stddev | .44 | 2. | 9. | 12. | .828 |
| %RSD | 3.976 | .0044 | .1886 | .6689 | 10.24 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 11.25 | 34840. | 4688. | 1779. | 8.677 |
| #2 | 10.63 | 34840. | 4700. | 1796. | 7.505 |

Check ? Value Range

Sample Name: 829712 Acquired: 5/19/2010 21:33:42 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 2.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 106.2 | 7.660 | 33610. | 4.480 | 1681. |
| Stddev | 6.5 | 7.397 | 93. | 3.545 | 3. |
| %RSD | 6.132 | 96.56 | .2758 | 79.12 | .1872 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 110.8 | 12.89 | 33680. | 1.974 | 1679. |
| #2 | 101.6 | 2.430 | 33550. | 6.987 | 1683. |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.950 | 3.804 | 1.006 | 88.33 |
| Stddev | .055 | 2.613 | .360 | .19 |
| %RSD | .7842 | 68.71 | 35.82 | .2095 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 6.989 | 1.956 | 1.261 | 88.46 |
| #2 | 6.912 | 5.652 | .7514 | 88.20 |

Check ? Value Range

Sample Name: 829712 Acquired: 5/19/2010 21:33:42 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 2.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 399.07 | 3335.7 | 3653.8 | 4806.5 |
| Stddev | 1.44 | 18.8 | 25.0 | 42.8 |
| %RSD | .36104 | .56436 | .68417 | .89107 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 398.05 | 3322.3 | 3636.2 | 4776.2 |
| #2 | 400.09 | 3349.0 | 3671.5 | 4836.8 |

Sample Name: 829712L Acquired: 5/19/2010 21:37:41 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 10.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.036 | 1096. | 6410. | 135.8 | 56.01 |
| Stddev | 6.312 | 341. | 12. | 16.7 | 23.43 |
| %RSD | 156.4 | 31.11 | 1876 | 12.29 | 41.83 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -8.499 | 1337. | 6418. | 147.6 | 39.45 |
| #2 | .4267 | 854.6 | 6401. | 124.0 | 72.58 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (454) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5955 | 283800. | 109.0 | -5700 | 14.87 |
| Stddev | .3581 | 2493. | 1.1 | 3.248 | 1.04 |
| %RSD | 60.14 | .8786 | .9918 | 569.8 | 6.996 |

| | | | | | |
|----|-------|---------|-------|--------|-------|
| #1 | .8487 | 282000. | 108.2 | 1.726 | 15.60 |
| #2 | .3423 | 285500. | 109.7 | -2.866 | 14.13 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829712L Acquired: 5/19/2010 21:37:41 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 10.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -17.34 | -79.51 | 8675. | 452500. | 9.218 |
| Stddev | 14.41 | 91.91 | 268. | 143. | 1.664 |
| %RSD | 83.07 | 115.6 | 3.087 | .0315 | 18.05 |

| | | | | | |
|----|--------|--------|-------|---------|-------|
| #1 | -27.53 | -14.52 | 8864. | 452600. | 10.39 |
| #2 | -7.156 | -144.5 | 8485. | 452400. | 8.041 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.42 | 35160. | 4880. | 1793. | 6.940 |
| Stddev | 3.52 | 36. | 9. | 16. | 1.476 |
| %RSD | 16.43 | .1023 | .1879 | .8951 | 21.27 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 18.93 | 35130. | 4887. | 1781. | 7.984 |
| #2 | 23.91 | 35180. | 4874. | 1804. | 5.896 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829712L Acquired: 5/19/2010 21:37:41 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 10.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 131.7 | -20.80 | 33560. | 3.976 | 1760. |
| Stddev | 1.4 | 8.89 | 165. | 11.21 | 8. |
| %RSD | 1.036 | 42.73 | .4920 | 282.0 | .4381 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 130.8 | -14.51 | 33680. | 11.91 | 1765. |
| #2 | 132.7 | -27.08 | 33450. | -3.953 | 1755. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 10.75 | -8818 | -3243 | 110.2 |
| Stddev | 4.94 | 13.50 | 5.616 | 2.2 |
| %RSD | 45.96 | 1531. | 1732. | 2.022 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | 14.24 | -10.43 | -4.295 | 108.6 |
| #2 | 7.254 | 8.662 | 3.647 | 111.8 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829712L Acquired: 5/19/2010 21:37:41 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 10.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 425.78 | 3414.9 | 3739.8 | 4768.5 |
| Stddev | .91 | 64.7 | 2.8 | 79.1 |
| %RSD | .21452 | 1.8955 | .07542 | 1.6590 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 425.14 | 3460.7 | 3741.8 | 4824.4 |
| #2 | 426.43 | 3369.2 | 3737.8 | 4712.6 |

Sample Name: PBW051810B Acquired: 5/19/2010 21:41:35 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8315 | 2.031 | .7487 | 1.624 | -8.296 |
| Stddev | .6190 | 16.58 | .3989 | .497 | .277 |
| %RSD | 74.44 | 816.7 | 53.28 | 30.57 | 3.343 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -1.269 | 13.76 | .4666 | 1.975 | -8.492 |
| #2 | -.3938 | -9.697 | 1.031 | 1.273 | -8.100 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0917 | -49.26 | .0855 | .1342 | -4.774 |
| Stddev | .0359 | 20.10 | .1620 | .1356 | .2126 |
| %RSD | 39.09 | 40.81 | 189.6 | 101.1 | 44.52 |

| | | | | | |
|----|-------|--------|--------|-------|--------|
| #1 | .1171 | -63.47 | .2001 | .0383 | -.3271 |
| #2 | .0664 | -35.04 | -.0291 | .2301 | -.6277 |

Check ?
 Value
 Range

Sample Name: PBW051810B Acquired: 5/19/2010 21:41:35 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.186 | -5.976 | 46.80 | -41.78 | -.0529 |
| Stddev | .793 | 5.864 | 7.47 | 1.30 | .0913 |
| %RSD | 24.89 | 98.12 | 15.97 | 3.119 | 172.8 |

| | | | | | |
|----|--------|--------|-------|--------|--------|
| #1 | -3.746 | -10.12 | 52.09 | -40.86 | .0117 |
| #2 | -2.625 | -1.830 | 41.52 | -42.70 | -.1174 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5938 | -15.11 | .7586 | 1.037 | -1.964 |
| Stddev | .0769 | 13.51 | .5205 | 2.785 | .692 |
| %RSD | 12.95 | 89.36 | 68.61 | 268.6 | 35.23 |

| | | | | | |
|----|-------|--------|-------|--------|--------|
| #1 | .6482 | -24.66 | .3906 | -.9322 | -1.475 |
| #2 | .5395 | -5.563 | 1.127 | 3.006 | -2.454 |

Check ?
 Value
 Range

Sample Name: PBW051810B Acquired: 5/19/2010 21:41:35 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.420 | -1.101 | 3.526 | 1.480 | .0231 |
| Stddev | 1.322 | .379 | .295 | 2.909 | .0257 |
| %RSD | 93.13 | 34.43 | 8.379 | 196.5 | 111.4 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -2.354 | -1.370 | 3.735 | -.5764 | .0049 |
| #2 | -.4847 | -.8333 | 3.317 | 3.537 | .0412 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .6345 | -.7441 | -.0406 | .3471 |
| Stddev | .1179 | 1.028 | .3149 | .2220 |
| %RSD | 18.59 | 138.1 | 775.1 | 63.95 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .5510 | -1.471 | .1821 | .5040 |
| #2 | .7179 | -.0173 | -.2633 | .1901 |

Check ?
 Value
 Range

Sample Name: PBW051810B Acquired: 5/19/2010 21:41:35 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 452.03 | 3536.3 | 3869.4 | 4902.4 |
| Stddev | 2.23 | 14.6 | .2 | 7.9 |
| %RSD | .49320 | .41354 | .00489 | .16046 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 450.45 | 3526.0 | 3869.3 | 4896.8 |
| #2 | 453.61 | 3546.6 | 3869.6 | 4907.9 |

Sample Name: LCSW051810B Acquired: 5/19/2010 21:45:30 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 440.3 | 45200. | 980.2 | 427.4 | 456.6 |
| Stddev | .4 | 104. | 1.6 | .9 | 3.6 |
| %RSD | .1010 | .2306 | .1613 | .2185 | .7903 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 440.6 | 45120. | 981.3 | 426.8 | 459.2 |
| #2 | 440.0 | 45270. | 979.0 | 428.1 | 454.1 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 470.9 | 44540. | 477.0 | 439.4 | 454.7 |
| Stddev | .4 | 157. | .5 | .3 | .3 |
| %RSD | .0803 | .3517 | .1069 | .0752 | .0615 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 471.1 | 44650. | 476.7 | 439.2 | 454.5 |
| #2 | 470.6 | 44420. | 477.4 | 439.7 | 454.9 |

Check ?
 Value
 Range

Sample Name: LCSW051810B Acquired: 5/19/2010 21:45:30 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 428.0 | 43180. | 44530. | 44160. | 433.5 |
| Stddev | .8 | 16. | 155. | 17. | .3 |
| %RSD | .1791 | .0360 | .3487 | .0393 | .0737 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 428.6 | 43190. | 44420. | 44150. | 433.7 |
| #2 | 427.5 | 43160. | 44640. | 44170. | 433.3 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 954.3 | 43910. | 425.5 | 962.1 | 971.8 |
| Stddev | 3.4 | 43. | .9 | 2.8 | .3 |
| %RSD | .3521 | .0980 | .2119 | .2880 | .0273 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 951.9 | 43880. | 424.9 | 960.1 | 971.9 |
| #2 | 956.6 | 43950. | 426.2 | 964.0 | 971.6 |

Check ?
 Value
 Range

Sample Name: LCSW051810B Acquired: 5/19/2010 21:45:30 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1804. | 469.5 | 948.7 | 863.4 | 1361. |
| Stddev | 1. | 3.9 | .7 | 2.1 | 13. |
| %RSD | .0811 | .8405 | .0708 | .2473 | .9393 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1803. | 466.7 | 948.2 | 861.9 | 1352. |
| #2 | 1805. | 472.3 | 949.2 | 864.9 | 1370. |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 936.3 | 506.9 | 463.0 | 463.3 |
| Stddev | .1 | 6.0 | 1.4 | .0 |
| %RSD | .0107 | 1.185 | .2993 | .0081 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 936.3 | 502.7 | 463.9 | 463.2 |
| #2 | 936.2 | 511.2 | 462.0 | 463.3 |

Check ?
 Value
 Range

Sample Name: LCSW051810B Acquired: 5/19/2010 21:45:30 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 404.88 | 3457.0 | 3780.6 | 4891.7 |
| Stddev | 1.31 | 21.0 | 12.8 | 22.1 |
| %RSD | .32322 | .60890 | .33940 | .45139 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 405.80 | 3471.8 | 3789.7 | 4907.3 |
| #2 | 403.95 | 3442.1 | 3771.6 | 4876.1 |

Sample Name: 829578 Acquired: 5/19/2010 21:49:23 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4057 | 2796. | 15.45 | 55.85 | 314.1 |
| Stddev | .0901 | 8. | .22 | .98 | 8.8 |
| %RSD | 22.20 | .2805 | 1.405 | 1.759 | 2.786 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -3420 | 2802. | 15.30 | 56.54 | 308.0 |
| #2 | -4693 | 2791. | 15.60 | 55.15 | 320.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.725 | 126900. | .4640 | 7.644 | 48.03 |
| Stddev | .414 | 563. | .1311 | .073 | .01 |
| %RSD | 24.00 | .4438 | 28.25 | .9600 | .0285 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 2.018 | 126500. | .3713 | 7.695 | 48.04 |
| #2 | 1.433 | 127300. | .5567 | 7.592 | 48.02 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829578 Acquired: 5/19/2010 21:49:23 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.72 | 16830. | 13110. | 14790. | 494.7 |
| Stddev | .80 | 7. | 66. | 16. | 1.2 |
| %RSD | 3.866 | .0397 | .5046 | .1084 | .2472 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 21.28 | 16830. | 13160. | 14770. | 493.8 |
| #2 | 20.15 | 16840. | 13070. | 14800. | 495.5 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 14.50 | 19350. | 28.17 | 1926. | 16.02 |
| Stddev | .48 | 90. | .01 | 1. | .77 |
| %RSD | 3.285 | .4639 | .0184 | .0631 | 4.816 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 14.84 | 19280. | 28.18 | 1925. | 15.48 |
| #2 | 14.16 | 19410. | 28.17 | 1926. | 16.57 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829578 Acquired: 5/19/2010 21:49:23 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.016 | 2.849 | 21690. | -0.381 | 399.5 |
| Stddev | 1.833 | 1.477 | 60. | .5805 | 1.3 |
| %RSD | 180.3 | 51.85 | .2782 | 1523. | .3151 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -2.312 | 3.893 | 21650. | .3723 | 398.6 |
| #2 | .2796 | 1.804 | 21740. | -.4486 | 400.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7.905 | -.7384 | 9.360 | 125.2 |
| Stddev | .434 | .1063 | .176 | .2 |
| %RSD | 5.484 | 14.40 | 1.880 | .1434 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 7.598 | -.6632 | 9.236 | 125.3 |
| #2 | 8.211 | -.8136 | 9.485 | 125.0 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829578 Acquired: 5/19/2010 21:49:23 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 416.75 | 3504.4 | 3814.1 | 4903.2 |
| Stddev | 1.50 | 1.3 | 8.7 | 16.9 |
| %RSD | .36079 | .03577 | .22933 | .34391 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 415.69 | 3505.3 | 3807.9 | 4915.1 |
| #2 | 417.81 | 3503.5 | 3820.3 | 4891.3 |

Sample Name: 829578L Acquired: 5/19/2010 21:53:21 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3901 | 2967. | 19.16 | 56.05 | 305.2 |
| Stddev | .0120 | 1. | 3.49 | 2.40 | 3.5 |
| %RSD | 3.081 | .0274 | 18.20 | 4.284 | 1.135 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.3816 | 2966. | 16.69 | 57.75 | 302.7 |
| #2 | -.3986 | 2967. | 21.62 | 54.36 | 307.6 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.279 | 129600. | .2442 | 10.94 | 47.69 |
| Stddev | 2.149 | 325. | .5052 | 2.06 | .91 |
| %RSD | 94.29 | .2507 | 206.9 | 18.85 | 1.908 |

| | | | | | |
|----|-------|---------|--------|-------|-------|
| #1 | .7595 | 129900. | -.1130 | 12.40 | 48.34 |
| #2 | 3.798 | 129400. | .6014 | 9.482 | 47.05 |

Check ? Value Range
 None None None None None

Sample Name: 829578L Acquired: 5/19/2010 21:53:21 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.529 | 17480. | 14030. | 15400. | 510.3 |
| Stddev | 5.420 | 21. | 1054. | 322. | 0 |
| %RSD | 63.54 | .1191 | 7.508 | 2.089 | .0063 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 4.697 | 17470. | 14780. | 15620. | 510.3 |
| #2 | 12.36 | 17500. | 13290. | 15170. | 510.3 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.03 | 19930. | 34.92 | 1968. | 14.30 |
| Stddev | .86 | 41. | 1.34 | 15. | 5.42 |
| %RSD | 4.785 | .2077 | 3.846 | .7424 | 37.93 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 18.64 | 19960. | 33.97 | 1978. | 10.46 |
| #2 | 17.42 | 19900. | 35.87 | 1957. | 18.14 |

Check ? Value Range
 None None None None None

Sample Name: 829578L Acquired: 5/19/2010 21:53:21 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2720 | -1.854 | 22150. | 8.081 | 419.9 |
| Stddev | 5.316 | 8.148 | 41. | 4.954 | .7 |
| %RSD | 1955. | 439.6 | .1833 | 61.30 | .1573 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | 4.031 | 3.908 | 22130. | 4.578 | 420.4 |
| #2 | -3.487 | -7.615 | 22180. | 11.58 | 419.4 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 12.27 | 1.770 | 8.204 | 135.3 |
| Stddev | .59 | 1.662 | 1.954 | .3 |
| %RSD | 4.805 | 93.85 | 23.82 | .2255 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 11.85 | 2.945 | 9.585 | 135.5 |
| #2 | 12.69 | .5955 | 6.822 | 135.1 |

Check ? Value Range
 None None None None

Sample Name: 829578L Acquired: 5/19/2010 21:53:21 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 445.79 | 3525.1 | 3857.9 | 4875.0 |
| Stddev | 1.80 | 14.1 | 2.9 | 17.8 |
| %RSD | .40441 | .39878 | .07441 | .36479 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 447.06 | 3535.0 | 3855.9 | 4887.6 |
| #2 | 444.51 | 3515.1 | 3860.0 | 4862.5 |

Sample Name: CCV Acquired: 5/19/2010 21:57:14 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 94.20 | 30180. | 102.7 | 728.9 | 197.8 |
| Stddev | .41 | 147. | 2.4 | .3 | 5.4 |
| %RSD | .4310 | .4854 | 2.316 | .0430 | 2.733 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 93.91 | 30280. | 101.1 | 728.6 | 194.0 |
| #2 | 94.49 | 30070. | 104.4 | 729.1 | 201.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.95 | 30020. | 99.33 | 190.6 | 198.5 |
| Stddev | .66 | 289. | .34 | .1 | .6 |
| %RSD | .651 | .9616 | .3474 | .0478 | .3123 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 100.4 | 30230. | 99.08 | 190.6 | 198.1 |
| #2 | 99.49 | 29820. | 99.57 | 190.7 | 198.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/19/2010 21:57:14 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 180.7 | 28990. | 29850. | 30230. | 187.7 |
| Stddev | 1.5 | 49. | 145. | 322. | .0 |
| %RSD | .8494 | .1706 | .4855 | 1.066 | .0070 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 181.7 | 28950. | 29950. | 30460. | 187.6 |
| #2 | 179.6 | 29020. | 29750. | 30000. | 187.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.8 | 30220. | 186.8 | 209.0 | 404.6 |
| Stddev | .8 | 205. | .9 | 2.2 | 1.8 |
| %RSD | .3806 | .6798 | .4967 | 1.036 | .4502 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 199.2 | 30370. | 186.2 | 207.5 | 403.3 |
| #2 | 200.3 | 30080. | 187.5 | 210.6 | 405.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/19/2010 21:57:14 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 292.1 | 99.81 | 982.4 | 200.9 | 300.6 |
| Stddev | .2 | 4.06 | 3.6 | .4 | 3.4 |
| %RSD | .0637 | 4.071 | .3700 | .1918 | 1.118 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 292.2 | 96.94 | 984.9 | 200.6 | 302.9 |
| #2 | 292.0 | 102.7 | 979.8 | 201.2 | 298.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWRD) | (In2306) | (Y_HWRD) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 393.5 | 101.8 | 196.2 | 202.9 |
| Stddev | .1 | .6 | .5 | .3 |
| %RSD | .0353 | .5414 | .2569 | .1388 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 393.4 | 102.2 | 195.9 | 202.7 |
| #2 | 393.6 | 101.4 | 196.6 | 203.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/19/2010 21:57:14 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWRD | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 415.57 | 3450.8 | 3778.8 | 4851.7 |
| Stddev | .59 | 1.7 | 4.3 | 53.3 |
| %RSD | .14134 | .04947 | .11270 | 1.0992 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 415.98 | 3452.0 | 3775.8 | 4814.0 |
| #2 | 415.15 | 3449.6 | 3781.8 | 4889.4 |

Sample Name: CCB Acquired: 5/19/2010 22:01:02 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.454 | 42.99 | 2.537 | 2.150 | -2.771 |
| Stddev | .2884 | 19.24 | 2.125 | 1.532 | 4.427 |
| %RSD | 44.61 | 44.76 | 83.74 | 71.24 | 159.8 |
| #1 | -4425 | 29.39 | 4.040 | 1.067 | -5.901 |
| #2 | -8503 | 56.60 | 1.035 | 3.233 | .3598 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1878 | -3.884 | -.4119 | .1997 | .1334 |
| Stddev | .1977 | 1.808 | .1246 | .2767 | .7301 |
| %RSD | 105.3 | 46.54 | 30.26 | 138.6 | 547.2 |
| #1 | .0480 | -5.162 | -.3237 | .3954 | .6497 |
| #2 | .3276 | -2.606 | -.5000 | .0040 | -.3828 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/19/2010 22:01:02 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.116 | -1.711 | 39.71 | -29.34 | .0419 |
| Stddev | .085 | .630 | 2.11 | 31.03 | .1142 |
| %RSD | 2.724 | 36.82 | 5.309 | 105.7 | 272.6 |
| #1 | -3.056 | -1.266 | 41.20 | -7.401 | .1226 |
| #2 | -3.176 | -2.156 | 38.22 | -51.28 | -.0388 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8511 | -24.95 | -.3744 | -1.507 | -2.534 |
| Stddev | .0458 | 13.13 | .7400 | .910 | .325 |
| %RSD | 5.387 | 52.63 | 197.6 | 60.36 | 12.84 |
| #1 | .8836 | -15.67 | .1489 | -2.151 | -2.764 |
| #2 | .8187 | -34.24 | -.8977 | -.8641 | -2.304 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/19/2010 22:01:02 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.173 | -1.305 | -3.794 | .4307 | -.0390 |
| Stddev | 1.118 | .553 | 2.032 | .4699 | .0131 |
| %RSD | 181.2 | 42.40 | 53.55 | 109.1 | 33.60 |
| #1 | .1735 | -.9135 | -2.358 | .7630 | -.0483 |
| #2 | -1.408 | -1.696 | -5.231 | .0985 | -.0297 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .8233 | .8656 | .6101 | -.1782 |
| Stddev | .9990 | 1.291 | .3276 | .0165 |
| %RSD | 121.3 | 149.2 | 53.70 | 9.264 |
| #1 | 1.530 | -.0475 | .8417 | -.1665 |
| #2 | .1169 | 1.779 | .3784 | -.1899 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/19/2010 22:01:02 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 450.68 | 3491.3 | 3823.7 | 4847.2 |
| Stddev | 1.58 | 2.3 | 19.0 | 29.0 |
| %RSD | .35103 | .06601 | .49818 | .59811 |
| #1 | 449.56 | 3489.7 | 3810.2 | 4867.7 |
| #2 | 451.80 | 3482.9 | 3837.2 | 4826.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: 829579 Acquired: 5/19/2010 22:04:58 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 396.152 { 85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3392 | 232.3 | 3.942 | 53.18 | 133.1 |
| Stddev | .1009 | 40.9 | 1.970 | .40 | 4.4 |
| %RSD | 29.74 | 17.63 | 49.99 | .7558 | 3.310 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.2679 | 261.3 | 2.549 | 52.90 | 130.0 |
| #2 | -.4105 | 203.4 | 5.335 | 53.47 | 135.2 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1922 | 78160. | .2428 | 1.784 | -.2406 |
| Stddev | .0185 | 142. | .0642 | .408 | .0148 |
| %RSD | 9.643 | .1815 | 26.45 | 22.87 | 6.134 |

| | | | | | |
|----|-------|--------|-------|-------|--------|
| #1 | .1791 | 78060. | .1974 | 1.495 | -.2301 |
| #2 | .2053 | 78260. | .2882 | 2.072 | -.2510 |

Check ? Value Range
 None None None None None

Sample Name: 829579 Acquired: 5/19/2010 22:04:58 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.007 | 6.921 | 11340. | 11580. | 290.0 |
| Stddev | .191 | 7.945 | 116. | 81. | .7 |
| %RSD | 9.510 | 114.8 | 1.019 | .7010 | .2511 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -2.142 | 12.54 | 11260. | 11520. | 290.5 |
| #2 | -1.872 | 1.303 | 11420. | 11630. | 289.5 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 {467} | 589.592 { 57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 26.96 | 19310. | 6.785 | .4585 | 1.146 |
| Stddev | .03 | 12. | .332 | 2.182 | .524 |
| %RSD | .1054 | .0626 | 4.890 | 476.0 | 45.72 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | 26.98 | 19300. | 7.019 | -1.085 | .7752 |
| #2 | 26.94 | 19320. | 6.550 | 2.001 | 1.516 |

Check ? Value Range
 None None None None None

Sample Name: 829579 Acquired: 5/19/2010 22:04:58 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 { 83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3722 | 2.243 | 14480. | .1156 | 297.5 |
| Stddev | .7011 | .671 | 47. | .8199 | .3 |
| %RSD | 188.4 | 29.91 | .3251 | 709.3 | .1168 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -.8680 | 2.718 | 14450. | .6953 | 297.3 |
| #2 | .1236 | 1.769 | 14520. | -.4641 | 297.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.853 | -.8750 | .5800 | 9.484 |
| Stddev | .320 | .3681 | .0620 | .108 |
| %RSD | 17.25 | 42.07 | 10.70 | 1.140 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 1.627 | -1.135 | .5362 | 9.561 |
| #2 | 2.079 | -.6147 | .6239 | 9.408 |

Check ? Value Range
 None None None None

Sample Name: 829579 Acquired: 5/19/2010 22:04:58 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 426.39 | 3449.8 | 3776.7 | 4854.3 |
| Stddev | .71 | 4.0 | 2.5 | 18.0 |
| %RSD | .16652 | .11617 | .06514 | .37083 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 426.89 | 3452.7 | 3778.4 | 4867.0 |
| #2 | 425.89 | 3447.0 | 3774.9 | 4841.5 |

Sample Name: 829580 Acquired: 5/19/2010 22:08:52 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.494 | 10500. | 22.28 | 74.36 | 1196. |
| Stddev | .989 | 28. | 2.38 | 1.83 | 10. |
| %RSD | 66.18 | .2623 | 10.69 | 2.454 | .8294 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -2.193 | 10520. | 20.60 | 73.07 | 1203. |
| #2 | -.7948 | 10480. | 23.97 | 75.65 | 1189. |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.633 | 144700. | 1.168 | 43.87 | 389.0 |
| Stddev | .005 | 683. | .470 | .23 | 3.5 |
| %RSD | .1140 | .4716 | 40.24 | .5327 | .8958 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 4.637 | 145200. | 1.500 | 43.71 | 385.6 |
| #2 | 4.630 | 144200. | .8356 | 44.04 | 391.5 |

Check ?
 Value
 Range

Sample Name: 829580 Acquired: 5/19/2010 22:08:52 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 411.6 | 107200. | 25960. | 20690. | 3205. |
| Stddev | 1.3 | 60. | 52. | 58. | 5. |
| %RSD | .3142 | .0558 | .2011 | .2782 | .1506 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 410.7 | 107200. | 25920. | 20740. | 3209. |
| #2 | 412.5 | 107300. | 25990. | 20650. | 3202. |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 152.9 | 24600. | 409.9 | 3669. | 51.68 |
| Stddev | .3 | 53. | .8 | 26. | .41 |
| %RSD | .1998 | .2158 | .1872 | .7067 | .7946 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 152.7 | 24630. | 409.3 | 3651. | 51.39 |
| #2 | 153.1 | 24560. | 410.4 | 3687. | 51.97 |

Check ?
 Value
 Range

Sample Name: 829580 Acquired: 5/19/2010 22:08:52 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.085 | -2.398 | 32580. | 1.165 | 626.8 |
| Stddev | 1.447 | 2.258 | 1115. | .928 | 9.4 |
| %RSD | 133.4 | 94.16 | 3.422 | 79.70 | 1.492 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | -.0618 | -3.995 | 31800. | 1.821 | 633.4 |
| #2 | -2.108 | -.8016 | 33370. | .5084 | 620.2 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3.628 | -1.923 | 36.10 | 6959. |
| Stddev | .417 | .422 | 1.59 | 56. |
| %RSD | 11.49 | 21.94 | 4.410 | .8002 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3.333 | -1.625 | 37.22 | 6920. |
| #2 | 3.923 | -2.221 | 34.97 | 6999. |

Check ?
 Value
 Range

Sample Name: 829580 Acquired: 5/19/2010 22:08:52 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 407.79 | 3610.6 | 3925.3 | 5088.9 |
| Stddev | .44 | 13.8 | 1.5 | 15.9 |
| %RSD | .10697 | .38256 | .03755 | .31236 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 408.10 | 3620.4 | 3924.3 | 5077.7 |
| #2 | 407.48 | 3600.8 | 3926.3 | 5100.2 |

Sample Name: 829581 Acquired: 5/19/2010 22:12:53 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4489 | 136.1 | 1.072 | 84.80 | 118.4 |
| Stddev | .5436 | 26.0 | 1.108 | .92 | .9 |
| %RSD | 121.1 | 19.10 | 103.3 | 1.091 | .7778 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -8332 | 117.8 | .2891 | 85.45 | 119.0 |
| #2 | -.0645 | 154.5 | 1.855 | 84.14 | 117.7 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0438 | 60460. | .0262 | 4.042 | .0879 |
| Stddev | .1767 | 74. | .3230 | .290 | .3566 |
| %RSD | 403.3 | .1225 | 1232. | 7.177 | 405.5 |

| | | | | | |
|----|--------|--------|--------|-------|--------|
| #1 | .1687 | 60510. | .2546 | 3.837 | .3401 |
| #2 | -.0811 | 60410. | -.2022 | 4.247 | -.1642 |

Check ? Value Range
 None None None None None

Sample Name: 829581 Acquired: 5/19/2010 22:12:53 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.498 | 48.42 | 14820. | 10910. | 1258. |
| Stddev | .377 | 5.80 | 63. | 85. | 1. |
| %RSD | 25.13 | 11.98 | .4278 | .7793 | .0463 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -1.764 | 52.52 | 14770. | 10850. | 1259. |
| #2 | -1.232 | 44.31 | 14860. | 10970. | 1258. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 148.0 | 32020. | 38.89 | 8.478 | 1.967 |
| Stddev | .5 | 42. | .32 | 1.146 | 1.056 |
| %RSD | .3471 | .1325 | .8104 | 13.52 | 53.71 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 147.6 | 31990. | 38.66 | 7.668 | 2.714 |
| #2 | 148.3 | 32050. | 39.11 | 9.289 | 1.220 |

Check ? Value Range
 None None None None None

Sample Name: 829581 Acquired: 5/19/2010 22:12:53 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.369 | 2.214 | 9610. | .8933 | 241.5 |
| Stddev | .582 | 3.017 | 61. | 1.237 | .8 |
| %RSD | 42.50 | 136.3 | .6355 | 138.4 | .3288 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.9576 | 4.347 | 9653. | 1.768 | 240.9 |
| #2 | -1.780 | .0807 | 9566. | .0189 | 242.0 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.314 | -1.646 | .3882 | 146.2 |
| Stddev | .152 | .844 | .4409 | .3 |
| %RSD | 11.56 | 51.26 | 113.6 | .2005 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 1.206 | -2.243 | .6999 | 146.4 |
| #2 | 1.421 | -1.050 | .0764 | 146.0 |

Check ? Value Range
 None None None None

Sample Name: 829581 Acquired: 5/19/2010 22:12:53 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 420.83 | 3415.7 | 3738.2 | 4822.3 |
| Stddev | 1.00 | 16.6 | .9 | 44.7 |
| %RSD | .23789 | .48602 | .02473 | .92726 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 421.54 | 3427.4 | 3737.6 | 4854.0 |
| #2 | 420.12 | 3404.0 | 3738.9 | 4790.7 |

Sample Name: 829582 Acquired: 5/19/2010 22:16:46 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8478 | 2827. | 6.384 | 102.4 | 791.0 |
| Stddev | .5599 | 40. | 1.715 | .8 | 4.2 |
| %RSD | 66.04 | 1.409 | 26.87 | .7625 | .5294 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -4519 | 2799. | 7.596 | 101.9 | 788.0 |
| #2 | -1.244 | 2856. | 5.171 | 103.0 | 793.9 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.147 | 69150. | 2.173 | 39.92 | 160.9 |
| Stddev | .071 | 57. | .071 | .28 | .5 |
| %RSD | 6.156 | .0829 | 3.276 | .7049 | .2814 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 1.197 | 69110. | 2.123 | 39.73 | 160.6 |
| #2 | 1.097 | 69190. | 2.223 | 40.12 | 161.2 |

Check ? Value Range
 None None None None None

Sample Name: 829582 Acquired: 5/19/2010 22:16:46 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 174.9 | 25480. | 11630. | 15120. | 4783. |
| Stddev | .5 | 66. | 233. | 75. | 26. |
| %RSD | .2978 | .2577 | 2.002 | .4965 | .5345 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 174.5 | 25530. | 11800. | 15170. | 4765. |
| #2 | 175.3 | 25430. | 11470. | 15070. | 4801. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 60.84 | 20470. | 176.6 | 1372. | 41.72 |
| Stddev | .17 | 19. | .0 | 9. | 1.70 |
| %RSD | .2748 | .0931 | .0164 | .6197 | 4.085 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 60.72 | 20460. | 176.6 | 1366. | 42.92 |
| #2 | 60.96 | 20490. | 176.6 | 1378. | 40.51 |

Check ? Value Range
 None None None None None

Sample Name: 829582 Acquired: 5/19/2010 22:16:46 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2759 | 2.903 | 22350. | 1.165 | 288.5 |
| Stddev | 1.709 | 2.493 | 477. | 1.020 | 1.0 |
| %RSD | 619.2 | 85.86 | 2.132 | 87.53 | .3306 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -1.484 | 1.141 | 22010. | 4440 | 287.8 |
| #2 | .9322 | 4.666 | 22690. | 1.886 | 289.2 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 15.13 | -5.554 | 13.72 | 3131. |
| Stddev | 26 | .440 | .32 | 14. |
| %RSD | 1.743 | 7.922 | 2.326 | .4617 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 15.31 | -5.243 | 13.95 | 3121. |
| #2 | 14.94 | -5.865 | 13.49 | 3142. |

Check ? Value Range
 None None None None

Sample Name: 829582 Acquired: 5/19/2010 22:16:46 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 419.67 | 3495.3 | 3823.5 | 4893.6 |
| Stddev | 2.45 | 10.9 | .5 | 1.2 |
| %RSD | .58303 | .31218 | .01192 | .02550 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 421.40 | 3487.6 | 3823.1 | 4892.8 |
| #2 | 417.94 | 3503.0 | 3823.8 | 4894.5 |

Sample Name: 829583 Acquired: 5/19/2010 22:20:45 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4360 | 171.3 | 1.732 | 96.49 | 302.8 |
| Stddev | .7709 | 12.9 | .186 | .88 | 1.5 |
| %RSD | 176.8 | 7.520 | 10.74 | .9155 | .4866 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | .1092 | 180.4 | 1.601 | 95.86 | 301.8 |
| #2 | -.9811 | 162.2 | 1.864 | 97.11 | 303.8 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2273 | 610.70 | .4590 | 20.72 | .0230 |
| Stddev | .3725 | .219 | .0960 | .08 | .2318 |
| %RSD | 163.8 | .3585 | 20.91 | .3845 | 1009. |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -.0360 | 61230. | .5269 | 20.77 | -.1409 |
| #2 | .4907 | 60920. | .3912 | 20.66 | .1869 |

Check ? Value Range
 None None None None None

Sample Name: 829583 Acquired: 5/19/2010 22:20:45 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.008 | 627.5 | 11980. | 14340. | 2951. |
| Stddev | .108 | 4.1 | 28. | 42. | 46. |
| %RSD | 10.73 | .6532 | .2355 | .2961 | 1.567 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -.9317 | 624.6 | 11960. | 14310. | 2984. |
| #2 | -1.085 | 630.4 | 12000. | 14370. | 2918. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 77.17 | 21860. | 58.99 | -.7518 | 4.286 |
| Stddev | .44 | 10. | .49 | 5.254 | .510 |
| %RSD | .5661 | .0473 | .8244 | 698.8 | 11.89 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | 76.86 | 21850. | 59.33 | 2.963 | 4.646 |
| #2 | 77.48 | 21860. | 58.65 | -4.467 | 3.925 |

Check ? Value Range
 None None None None None

Sample Name: 829583 Acquired: 5/19/2010 22:20:45 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.873 | 1.404 | 14960. | 1.155 | 245.6 |
| Stddev | .639 | .029 | 69. | .711 | .8 |
| %RSD | 34.10 | 2.095 | .4580 | 61.54 | .3359 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 1.422 | 1.424 | 14910. | 1.658 | 245.0 |
| #2 | 2.325 | 1.383 | 15010. | .6526 | 246.2 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.631 | -3.664 | .3434 | 79.88 |
| Stddev | .169 | .776 | .2973 | .23 |
| %RSD | 10.38 | 21.19 | 86.57 | .2835 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 1.751 | -3.115 | .5536 | 79.72 |
| #2 | 1.512 | -4.213 | .1332 | 80.04 |

Check ? Value Range
 None None None None

Sample Name: 829583 Acquired: 5/19/2010 22:20:45 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 423.42 | 3428.5 | 3763.9 | 4831.5 |
| Stddev | 2.05 | .7 | .6 | 17.9 |
| %RSD | .48428 | .02019 | .01653 | .37044 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 421.97 | 3429.0 | 3764.3 | 4844.1 |
| #2 | 424.87 | 3428.0 | 3763.5 | 4818.8 |

Sample Name: 829584 Acquired: 5/19/2010 22:24:42 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | k .6036 | k 4491. | s 13.86 | s 59.20 | k 384.1 |
| Stddev | .2598 | 12. | 3.34 | 5.12 | 8.0 |
| %RSD | 43.03 | .2632 | 24.07 | 8.642 | 2.082 |

| | | | | | |
|----|---------|---------|---------|---------|---------|
| #1 | k .4200 | k 4483. | s 16.22 | s 62.81 | k 389.8 |
| #2 | .7873 | 4499. | 11.50 | 55.58 | 378.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | k 2.667 | k 106200. | s .8351 | s 8.621 | s 139.0 |
| Stddev | .015 | .341. | .3660 | .079 | 6.3 |
| %RSD | .5603 | .3212 | 43.83 | .9210 | 4.516 |

| | | | | | |
|----|---------|-----------|---------|---------|---------|
| #1 | k 2.656 | k 106500. | s .5763 | s 8.564 | s 143.4 |
| #2 | 2.677 | 106000. | 1.094 | 8.677 | 134.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829584 Acquired: 5/19/2010 22:24:42 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | k 77.64 | k 27520. | 16760. | k 14920. | k 648.8 |
| Stddev | .92 | 89. | 107. | 38. | 2.3 |
| %RSD | 1.189 | .3243 | .6352 | .2564 | .3500 |

| | | | | | |
|----|---------|----------|--------|----------|---------|
| #1 | k 78.29 | k 27580. | 16690. | k 14890. | k 650.4 |
| #2 | 76.98 | 27460. | 16840. | 14950. | 647.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | s 47.89 | 19740. | s 84.46 | s 2022. | k 24.52 |
| Stddev | 1.81 | 54. | 4.91 | 69. | .64 |
| %RSD | 3.788 | .2756 | 5.810 | 3.412 | 2.599 |

| | | | | | |
|----|---------|--------|---------|---------|---------|
| #1 | s 49.18 | 19770. | s 87.93 | s 2070. | k 24.97 |
| #2 | 46.61 | 19700. | 80.99 | 1973. | 24.07 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829584 Acquired: 5/19/2010 22:24:42 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | s 2.922 | s 6.390 | k 27060. | s -.4723 | 401.3 |
| Stddev | 1.148 | .891 | 15. | 1.486 | 5.7 |
| %RSD | 39.29 | 13.94 | .0562 | 314.7 | 1.421 |

| | | | | | |
|----|---------|---------|----------|---------|-------|
| #1 | s 3.734 | s 7.020 | k 27070. | s .5787 | 405.3 |
| #2 | 2.110 | 5.760 | 27050. | -1.523 | 397.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | k 8.655 | k .2906 | k 15.59 | s 712.4 |
| Stddev | .133 | .5869 | .23 | 31.1 |
| %RSD | 1.539 | 202.0 | 1.485 | 4.372 |

| | | | | |
|----|---------|---------|---------|---------|
| #1 | k 8.749 | k .7056 | k 15.43 | s 734.4 |
| #2 | 8.560 | -.1244 | 15.76 | 690.3 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829584 Acquired: 5/19/2010 22:24:42 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 415.87 | 3506.7 | ^ ***** | 4934.6 |
| Stddev | .07 | 5.1 | ----- | 21.0 |
| %RSD | .01697 | .14561 | ----- | .42588 |

| | | | | |
|----|--------|--------|---------|--------|
| #1 | 415.82 | 3510.3 | ^ ----- | 4919.7 |
| #2 | 415.92 | 3503.1 | 3845.8 | 4949.4 |

Sample Name: 829585 Acquired: 5/19/2010 22:28:41 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0469 | 220.3 | 2.806 | 55.16 | 151.2 |
| Stddev | .7168 | 33.3 | 1.738 | 1.10 | .4 |
| %RSD | 1528. | 15.13 | 61.96 | 1.993 | .2412 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -4599 | 196.8 | 1.576 | 54.38 | 151.5 |
| #2 | .5538 | 243.9 | 4.035 | 55.94 | 151.0 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0008 | 78140. | .2259 | 1.720 | -.1423 |
| Stddev | .0772 | 341. | .0415 | .095 | 5.448 |
| %RSD | 9422. | .4362 | 18.38 | 5.526 | 382.9 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -.0554 | 77900. | .2552 | 1.788 | .2429 |
| #2 | .0537 | 78380. | .1965 | 1.653 | -.5275 |

Check ? Value Range
 None None None None None

Sample Name: 829585 Acquired: 5/19/2010 22:28:41 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.159 | 13.39 | 12730. | 11760. | 271.7 |
| Stddev | .477 | 9.31 | 206. | 60. | .6 |
| %RSD | 15.10 | 69.53 | 1.617 | .5124 | .2080 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -3.496 | 19.97 | 12590. | 11720. | 272.1 |
| #2 | -2.822 | 6.804 | 12880. | 11810. | 271.3 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.94 | 18650. | 10.16 | 1.624 | 1.910 |
| Stddev | .16 | 3. | .35 | 1.587 | .907 |
| %RSD | .7354 | .0167 | 3.432 | 97.73 | 47.51 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 22.05 | 18650. | 9.911 | 2.745 | 2.552 |
| #2 | 21.83 | 18640. | 10.40 | .5016 | 1.268 |

Check ? Value Range
 None None None None None

Sample Name: 829585 Acquired: 5/19/2010 22:28:41 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5813 | 6.790 | 17730. | .8262 | 281.1 |
| Stddev | 1.596 | 2.643 | 165. | .6866 | 1.7 |
| %RSD | 274.5 | 38.92 | .9302 | 83.10 | .6068 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -.5469 | 8.659 | 17610. | 1.312 | 279.9 |
| #2 | 1.710 | 4.921 | 17850. | .3407 | 282.3 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.619 | -.9088 | .5208 | 14.11 |
| Stddev | .685 | 1.828 | .8217 | .05 |
| %RSD | 42.34 | 201.1 | 157.8 | .3722 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | 1.134 | -2.201 | 1.102 | 14.07 |
| #2 | 2.103 | .3835 | -.0602 | 14.15 |

Check ? Value Range
 None None None None

Sample Name: 829585 Acquired: 5/19/2010 22:28:41 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 420.46 | 3443.5 | 3739.5 | 4786.7 |
| Stddev | .50 | 5.9 | 8.2 | 46.0 |
| %RSD | .11781 | .17255 | .21813 | .96027 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 420.81 | 3447.7 | 3733.7 | 4819.2 |
| #2 | 420.11 | 3439.3 | 3745.2 | 4754.2 |

Sample Name: 829586 Acquired: 5/19/2010 22:32:35 Type: Unk
Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4017 | .4453 | .1628 | .5211 | .4033 |
| Stddev | .8607 | .21 | .113 | .123 | .52 |
| %RSD | .2143 | .4754 | .6922 | .2356 | .1282 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -2069 | 4468. | 15.49 | 52.98 | 399.6 |
| #2 | 1.010 | 4438. | 17.08 | 51.24 | 406.9 |

Check ?
Value
Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.402 | 187300. | .7557 | 7.991 | 90.36 |
| Stddev | .175 | .106 | .3602 | .127 | .29 |
| %RSD | 7.299 | .0565 | 47.67 | 1.594 | .3214 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 2.526 | 187200. | .5010 | 7.901 | 90.56 |
| #2 | 2.278 | 187400. | 1.010 | 8.081 | 90.15 |

Check ?
Value
Range

Sample Name: 829586 Acquired: 5/19/2010 22:32:35 Type: Unk
Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 765.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 25.76 | 31580. | 15130. | 17570. | 693.7 |
| Stddev | 1.17 | 122. | 73. | 20. | 1.6 |
| %RSD | 4.561 | .3872 | .4823 | .1141 | .2368 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 24.93 | 31670. | 15080. | 17560. | 694.8 |
| #2 | 26.59 | 31500. | 15190. | 17590. | 692.5 |

Check ?
Value
Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 19.37 | 20430. | 57.08 | 2834. | 24.58 |
| Stddev | .23 | .29 | 1.86 | 11. | 3.32 |
| %RSD | 1.183 | .1429 | 3.258 | .3984 | 13.50 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 19.21 | 20410. | 58.39 | 2842. | 26.93 |
| #2 | 19.53 | 20450. | 55.76 | 2826. | 22.23 |

Check ?
Value
Range

Sample Name: 829586 Acquired: 5/19/2010 22:32:35 Type: Unk
Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7122 | -1.579 | 24920. | -1.896 | 613.0 |
| Stddev | 1.508 | 3.354 | .81 | 1.237 | 4.4 |
| %RSD | 211.8 | 212.4 | .3238 | 65.23 | .7131 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | -3544 | .7926 | 24970. | -1.022 | 609.9 |
| #2 | 1.779 | -3.951 | 24860. | -2.771 | 616.1 |

Check ?
Value
Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7.671 | -.6312 | 20.76 | 285.6 |
| Stddev | .266 | 1.216 | .24 | .7 |
| %RSD | 3.473 | 192.6 | 1.160 | .2352 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 7.860 | .2285 | 20.93 | 286.1 |
| #2 | 7.483 | -1.491 | 20.59 | 285.1 |

Check ?
Value
Range

Sample Name: 829586 Acquired: 5/19/2010 22:32:35 Type: Unk
Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 409.39 | 3486.2 | 3816.9 | 4937.7 |
| Stddev | 1.20 | 16.1 | 1.1 | 32.0 |
| %RSD | .29195 | .46128 | .02771 | .64717 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 408.54 | 3474.9 | 3816.2 | 4960.3 |
| #2 | 410.23 | 3497.6 | 3817.7 | 4915.1 |

Sample Name: 829587 Acquired: 5/19/2010 22:36:31 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4283 | 246.7 | 3.112 | 49.33 | 138.1 |
| Stddev | .5690 | 54.0 | 1.477 | 1.35 | 3.7 |
| %RSD | 132.8 | 21.90 | 47.47 | 2.743 | 2.664 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -0260 | 208.5 | 4.157 | 48.37 | 135.5 |
| #2 | -8307 | 284.9 | 2.068 | 50.29 | 140.7 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1292 | 83500. | 3975 | 6130 | -2286 |
| Stddev | .0433 | 115. | 2019 | .0069 | .3462 |
| %RSD | 33.49 | .1373 | 50.80 | 1.119 | 151.4 |

| | | | | | |
|----|-------|--------|-------|-------|--------|
| #1 | .0986 | 83580. | 5403 | 6179 | .0162 |
| #2 | .1598 | 83420. | .2547 | .6082 | -.4734 |

Check ?
 Value
 Range

Sample Name: 829587 Acquired: 5/19/2010 22:36:31 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.947 | 24.37 | 11760. | 13040. | 305.5 |
| Stddev | .170 | 11.88 | 22. | 54. | .2 |
| %RSD | 8.714 | 48.76 | .1845 | .4176 | .0520 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -2.067 | 32.77 | 11780. | 13000. | 305.6 |
| #2 | -1.827 | 15.97 | 11750. | 13080. | 305.3 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 24.82 | 20500. | 9.774 | -7218 | 4.027 |
| Stddev | .18 | 23. | .689 | 4.376 | 1.236 |
| %RSD | .7272 | .1112 | 7.052 | 606.3 | 30.69 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | 24.95 | 20490. | 9.287 | -3.816 | 3.153 |
| #2 | 24.69 | 20520. | 10.26 | 2.373 | 4.901 |

Check ?
 Value
 Range

Sample Name: 829587 Acquired: 5/19/2010 22:36:31 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0894 | -.1124 | 15880. | -.1820 | 387.2 |
| Stddev | 2.498 | 5.273 | 3. | .0660 | 5.8 |
| %RSD | 2793. | 4692. | .0205 | 36.24 | 1.505 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -1.856 | -3.841 | 15880. | -.2287 | 383.1 |
| #2 | 1.677 | 3.616 | 15870. | -.1354 | 391.3 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .8750 | -.9816 | .0879 | 9.749 |
| Stddev | .3396 | .8461 | .4584 | .349 |
| %RSD | 38.81 | 86.19 | 521.4 | 3.581 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | 1.115 | -1.580 | .4120 | 9.996 |
| #2 | .6349 | -.3834 | -.2362 | 9.502 |

Check ?
 Value
 Range

Sample Name: 829587 Acquired: 5/19/2010 22:36:31 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 423.53 | 3414.1 | 3757.8 | 4796.5 |
| Stddev | .70 | 5.3 | 10.9 | 46.5 |
| %RSD | .16432 | .15579 | .29035 | .96951 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 424.02 | 3417.9 | 3765.5 | 4829.3 |
| #2 | 423.04 | 3410.3 | 3750.1 | 4763.6 |

Sample Name: 829588 Acquired: 5/19/2010 22:40:31 Type: Unk
Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9305 | 11180. | 19.56 | 76.56 | 2054. |
| Stddev | .1459 | 15. | .62 | 1.29 | 30. |
| %RSD | 15.68 | .1341 | 3.150 | 1.681 | 1.474 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -1.034 | 11200. | 19.99 | 77.47 | 2075. |
| #2 | -.8273 | 11170. | 19.12 | 75.65 | 2032. |

Check ? Value Range
None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.473 | 91100. | 6.588 | 165.3 | 582.7 |
| Stddev | .058 | 456. | .065 | .1 | .4 |
| %RSD | 2.336 | 5006 | .9896 | .0438 | .0688 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 2.432 | 91420. | 6.634 | 165.3 | 583.0 |
| #2 | 2.514 | 90780. | 6.542 | 165.2 | 582.4 |

Check ? Value Range
None None None None None

Sample Name: 829588 Acquired: 5/19/2010 22:40:31 Type: Unk
Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 321.3 | 87420. | 18990. | 17440. | 17860. |
| Stddev | .4 | 166. | 99. | 165. | 127. |
| %RSD | .1132 | .1894 | .5203 | .9465 | .7102 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | 321.5 | 87310. | 19060. | 17560. | 17950. |
| #2 | 321.0 | 87540. | 18920. | 17330. | 17770. |

Check ? Value Range
None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 132.2 | 25290. | 420.7 | 760.1 | 50.82 |
| Stddev | .1 | 132. | .2 | 5.1 | 3.34 |
| %RSD | .0804 | .5216 | .0503 | .6745 | 6.562 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 132.2 | 25380. | 420.9 | 756.4 | 48.46 |
| #2 | 132.3 | 25190. | 420.6 | 763.7 | 53.17 |

Check ? Value Range
None None None None None

Sample Name: 829588 Acquired: 5/19/2010 22:40:31 Type: Unk
Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.8209 | -2.074 | 29990. | .5937 | 390.1 |
| Stddev | 1.445 | .418 | 260. | .1335 | 1.9 |
| %RSD | 176.1 | 20.18 | .8666 | 22.49 | .4888 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | .2012 | -2.370 | 29800. | .4993 | 391.4 |
| #2 | -1.843 | -1.778 | 30170. | .6881 | 388.7 |

Check ? Value Range
None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 30.48 | -16.02 | 44.47 | 2034. |
| Stddev | .22 | 1.25 | .52 | . |
| %RSD | .7127 | 7.817 | 1.177 | .0045 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 30.64 | -15.13 | 44.84 | 2034. |
| #2 | 30.33 | -16.90 | 44.10 | 2034. |

Check ? Value Range
None None None None

Sample Name: 829588 Acquired: 5/19/2010 22:40:31 Type: Unk
Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 413.93 | 3577.5 | 3904.5 | 5031.6 |
| Stddev | 2.68 | 6.1 | 8.9 | 28.0 |
| %RSD | .64820 | .17063 | .22884 | .55646 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 412.04 | 3573.2 | 3898.2 | 5011.8 |
| #2 | 415.83 | 3581.8 | 3910.8 | 5051.4 |

Sample Name: CCV Acquired: 5/19/2010 22:44:33 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 95.40 | 30070. | 101.4 | 725.3 | 190.8 |
| Stddev | .04 | 59. | 1.5 | 5.3 | 7.7 |
| %RSD | .0458 | .1968 | 1.482 | .7371 | 4.018 |
| #1 | 95.43 | 30030. | 102.4 | 721.5 | 185.3 |
| #2 | 95.37 | 30110. | 100.3 | 729.1 | 196.2 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.50 | 29950. | 98.76 | 189.9 | 196.6 |
| Stddev | .17 | 40. | .23 | .1 | .6 |
| %RSD | .1725 | .1326 | .2352 | .0773 | .3302 |
| #1 | 99.62 | 29920. | 98.60 | 189.8 | 196.2 |
| #2 | 99.38 | 29980. | 98.93 | 190.0 | 197.1 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/19/2010 22:44:33 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 180.8 | 29050. | 29680. | 30260. | 189.3 |
| Stddev | .5 | 32. | 15. | 35. | 1.8 |
| %RSD | .2622 | .1096 | .0509 | .1149 | .9633 |
| #1 | 181.2 | 29070. | 29670. | 30290. | 188.0 |
| #2 | 180.5 | 29020. | 29690. | 30240. | 190.6 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.9 | 30170. | 186.2 | 199.6 | 404.4 |
| Stddev | .4 | 9. | .3 | 5.3 | .1 |
| %RSD | .1995 | .0294 | .1807 | 2.673 | .0129 |
| #1 | 199.7 | 30160. | 186.5 | 195.8 | 404.4 |
| #2 | 200.2 | 30170. | 186.0 | 203.3 | 404.4 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/19/2010 22:44:33 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 291.1 | 97.22 | F 1118. | 202.2 | 298.6 |
| Stddev | 1.3 | 1.74 | 24. | 1.4 | 1.9 |
| %RSD | .4463 | 1.789 | 2.176 | .7007 | .6320 |
| #1 | 290.2 | 95.99 | 1136. | 203.2 | 299.9 |
| #2 | 292.1 | 98.45 | 1101. | 201.2 | 297.2 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Fail 1100. 900.0 Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 392.3 | 103.3 | 196.5 | 201.9 |
| Stddev | .1 | .3 | .4 | 1.3 |
| %RSD | .0371 | .3087 | .2204 | .6640 |
| #1 | 392.2 | 103.6 | 196.8 | 200.9 |
| #2 | 392.4 | 103.1 | 196.2 | 202.8 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/19/2010 22:44:33 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 411.01 | 3401.4 | 3742.3 | 4791.6 |
| Stddev | .89 | 6.6 | 2.1 | 9.9 |
| %RSD | .21706 | .19405 | .05620 | .20745 |
| #1 | 411.64 | 3406.1 | 3740.9 | 4784.5 |
| #2 | 410.38 | 3396.7 | 3743.8 | 4798.6 |

Sample Name: CCB Acquired: 5/19/2010 22:48:21 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.296 | 22.12 | 2.798 | 1.263 | -7.274 |
| Stddev | .3480 | 3.86 | .081 | 1.251 | 2.304 |
| %RSD | 268.5 | 17.45 | 2.906 | 99.00 | 31.67 |

| | | | | | |
|----|--------|-------|-------|-------|--------|
| #1 | -3.757 | 19.39 | 2.856 | 3.789 | -8.903 |
| #2 | .1165 | 24.85 | 2.741 | 2.147 | -5.645 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0668 | -25.65 | -2.437 | .4537 | -.1951 |
| Stddev | .2708 | 20.50 | .0417 | .0917 | .5454 |
| %RSD | 405.6 | 79.94 | 17.09 | 20.22 | 279.5 |

| | | | | | |
|----|--------|--------|--------|-------|--------|
| #1 | -.1247 | -40.14 | -.2143 | .3888 | .1905 |
| #2 | .2582 | -11.15 | -.2732 | .5185 | -.5808 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/19/2010 22:48:21 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.748 | .6609 | 121.9 | -51.35 | -.1098 |
| Stddev | .488 | 11.29 | 79.9 | 16.76 | .0320 |
| %RSD | 17.76 | 1708. | 65.49 | 32.64 | 29.13 |

| | | | | | |
|----|--------|--------|-------|--------|--------|
| #1 | -2.403 | 8.641 | 178.4 | -63.21 | -.1324 |
| #2 | -3.093 | -7.320 | 65.48 | -39.50 | -.0872 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7618 | -16.76 | -.4313 | -.9228 | -3.067 |
| Stddev | .3355 | 22.61 | .0766 | .8787 | .670 |
| %RSD | 44.04 | 134.9 | 17.77 | 95.23 | 21.83 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | .9991 | -.7711 | -.3771 | -.3014 | -2.593 |
| #2 | .5246 | -.3275 | -.4855 | -1.544 | -3.540 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/19/2010 22:48:21 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.143 | -2.558 | F 59.43 | 1.551 | .0019 |
| Stddev | 1.550 | .408 | 7.98 | 3.081 | .0313 |
| %RSD | 135.6 | 15.96 | 13.43 | 198.6 | 1607. |

| | | | | | |
|----|--------|--------|-------|--------|--------|
| #1 | -2.239 | -2.847 | 65.08 | -.6273 | .0241 |
| #2 | -.0468 | -2.269 | 53.79 | 3.730 | -.0202 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass |
| High Limit | | | 20.00 | | |
| Low Limit | | | -20.00 | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .4879 | .8408 | .4539 | .0863 |
| Stddev | .3516 | .8024 | .3097 | .1540 |
| %RSD | 72.08 | 95.44 | 68.23 | 178.4 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | .2392 | .2734 | .2349 | .1952 |
| #2 | .7365 | 1.408 | .6728 | -.0226 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCB Acquired: 5/19/2010 22:48:21 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 449.21 | 3468.9 | 3809.3 | 4804.0 |
| Stddev | .07 | 24.0 | 6.9 | 15.9 |
| %RSD | .01494 | .69248 | .18022 | .33045 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 449.26 | 3452.0 | 3804.5 | 4792.8 |
| #2 | 449.17 | 3485.9 | 3814.2 | 4815.2 |

Sample Name: 829589 Acquired: 5/19/2010 22:52:16 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5381 | 182.5 | 5.698 | 79.39 | 273.9 |
| Stddev | .2476 | 11.6 | .215 | 1.69 | 7.8 |
| %RSD | 46.02 | 6.372 | 3.765 | 2.127 | 2.843 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .7132 | 174.3 | 5.546 | 78.19 | 279.4 |
| #2 | .3630 | 190.8 | 5.850 | 80.58 | 268.4 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2424 | 61590. | .4857 | 17.26 | -.2280 |
| Stddev | .3079 | 438. | .1499 | .82 | .1443 |
| %RSD | 127.0 | .7119 | 30.86 | 4.746 | 63.27 |

| | | | | | |
|----|-------|--------|-------|-------|--------|
| #1 | .0247 | 61900. | .3797 | 16.69 | -.3300 |
| #2 | .4601 | 61280. | .5917 | 17.84 | -.1260 |

Check ? Value Range
 None None None None None

Sample Name: 829589 Acquired: 5/19/2010 22:52:16 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.423 | -16.00 | 12260. | 14630. | 3389. |
| Stddev | .413 | 5.93 | 102. | 47. | 24. |
| %RSD | 17.04 | 37.09 | .8332 | .3183 | .6959 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -2.131 | -11.80 | 12190. | 14600. | 3373. |
| #2 | -2.715 | -20.19 | 12340. | 14670. | 3406. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 68.59 | 23010. | 47.61 | -4.702 | 2.087 |
| Stddev | .23 | 121. | .63 | 2.393 | .522 |
| %RSD | .3309 | .5237 | 1.319 | 50.90 | 25.02 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | 68.75 | 23100. | 47.16 | -6.394 | 1.718 |
| #2 | 68.43 | 22930. | 48.05 | -3.010 | 2.456 |

Check ? Value Range
 None None None None None

Sample Name: 829589 Acquired: 5/19/2010 22:52:16 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.325 | 3.163 | 17410. | -2.019 | 238.2 |
| Stddev | 1.568 | .762 | 65. | 1.376 | 1.9 |
| %RSD | 118.4 | 24.10 | .3762 | 68.17 | .7841 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | .2160 | 2.624 | 17360. | -2.992 | 239.6 |
| #2 | 2.433 | 3.702 | 17450. | -1.046 | 236.9 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.577 | -3.039 | .5524 | 48.59 |
| Stddev | .084 | 2.144 | .4479 | .35 |
| %RSD | 5.313 | 70.55 | 81.09 | .7172 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 1.636 | -1.523 | .8691 | 48.84 |
| #2 | 1.517 | -4.555 | .2356 | 48.34 |

Check ? Value Range
 None None None None

Sample Name: 829589 Acquired: 5/19/2010 22:52:16 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 427.23 | 3456.7 | 3772.5 | 4848.1 |
| Stddev | 1.99 | 6.9 | 14.4 | 41.8 |
| %RSD | .46467 | .19966 | .38096 | .86313 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 428.64 | 3461.6 | 3782.7 | 4818.5 |
| #2 | 425.83 | 3451.8 | 3762.4 | 4877.7 |

Sample Name: FBLK051710A Acquired: 5/19/2010 22:56:14 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3479 | 10.86 | .9839 | 2.478 | -.9849 |
| Stddev | .7580 | 3.58 | 1.936 | .225 | 3.027 |
| %RSD | 217.9 | 32.96 | 196.7 | 9.060 | 307.4 |

| | | | | | |
|----|--------|-------|--------|-------|--------|
| #1 | .8839 | 8.326 | 2.353 | 2.319 | 1.156 |
| #2 | -.1880 | 13.39 | -.3848 | 2.637 | -3.125 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2711 | 71.16 | -.0503 | .1141 | .0292 |
| Stddev | .0750 | 23.16 | .4232 | .4132 | .4433 |
| %RSD | 27.66 | 32.55 | 840.7 | 362.0 | 1519. |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | .3242 | 87.54 | .2489 | .4063 | .3426 |
| #2 | .2181 | 54.78 | -.3496 | -.1780 | -.2843 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: FBLK051710A Acquired: 5/19/2010 22:56:14 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.369 | -7.872 | 71.82 | -55.84 | .8615 |
| Stddev | .099 | 1.848 | 66.77 | 22.72 | .0742 |
| %RSD | 4.197 | 23.48 | 92.97 | 40.70 | 8.617 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -2.299 | -9.179 | 119.0 | -71.91 | .8090 |
| #2 | -2.440 | -6.565 | 24.61 | -39.77 | .9140 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0747 | 35.01 | .1371 | -2.076 | -.4437 |
| Stddev | .1378 | 18.03 | 1.195 | .157 | 1.187 |
| %RSD | 184.4 | 51.50 | 871.5 | 7.556 | 267.6 |

| | | | | | |
|----|--------|-------|--------|--------|--------|
| #1 | -.0227 | 47.76 | -.7076 | -2.187 | .3959 |
| #2 | .1721 | 22.26 | .9818 | -1.965 | -1.283 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: FBLK051710A Acquired: 5/19/2010 22:56:14 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8018 | .0275 | 66.34 | 1.532 | .0100 |
| Stddev | .7717 | 2.625 | 10.26 | .624 | .0037 |
| %RSD | 96.25 | 9546. | 15.47 | 40.74 | 36.94 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 1.348 | 1.884 | 73.60 | 1.973 | .0127 |
| #2 | .2561 | -1.829 | 59.09 | 1.091 | .0074 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .5875 | -1.571 | -.0010 | 1.132 |
| Stddev | .0279 | 1.627 | .0569 | .022 |
| %RSD | 4.742 | 103.6 | 5437. | 1.992 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .6072 | -2.722 | .0392 | 1.116 |
| #2 | .5678 | -.4208 | -.0413 | 1.148 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: FBLK051710A Acquired: 5/19/2010 22:56:14 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 449.16 | 3505.7 | 3828.2 | 4820.1 |
| Stddev | 1.62 | 6.4 | 6.6 | 7.4 |
| %RSD | .35982 | .18287 | .17353 | .15294 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 448.02 | 3510.2 | 3823.5 | 4825.3 |
| #2 | 450.31 | 3501.1 | 3832.9 | 4814.9 |

Sample Name: PBW051710A Acquired: 5/19/2010 23:00:09 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.044 | -44.97 | 1.217 | 2.011 | 1.062 |
| Stddev | .711 | 4.66 | .548 | .966 | 7.514 |
| %RSD | 68.05 | 10.37 | 45.01 | 48.01 | 707.7 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -5416 | -48.27 | .8295 | 2.694 | -4.251 |
| #2 | -1.546 | -41.68 | 1.604 | 1.329 | 6.375 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1621 | 69.86 | -.2093 | .1961 | -.4177 |
| Stddev | .0255 | 42.68 | .0663 | .0908 | .0434 |
| %RSD | 15.73 | 61.09 | 31.69 | 46.30 | 10.38 |

| | | | | | |
|----|-------|-------|--------|-------|--------|
| #1 | .1802 | 39.68 | -.2561 | .2603 | -.3870 |
| #2 | .1441 | 100.0 | -.1624 | .1319 | -.4484 |

Check ? Value Range
 None None None None None

Sample Name: PBW051710A Acquired: 5/19/2010 23:00:09 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.309 | -4.290 | 118.9 | -25.91 | .0801 |
| Stddev | .059 | 16.16 | 11.1 | 7.59 | .0104 |
| %RSD | 1.786 | 376.7 | 9.300 | 29.30 | 12.98 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -3.351 | -15.72 | 126.7 | -20.54 | .0875 |
| #2 | -3.267 | 7.138 | 111.0 | -31.28 | .0728 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2228 | -15.18 | .5284 | -.7478 | .4175 |
| Stddev | .1280 | 14.78 | .0039 | 2.175 | 1.471 |
| %RSD | 57.47 | 97.41 | .7444 | 290.9 | 352.4 |

| | | | | | |
|----|-------|--------|-------|--------|--------|
| #1 | .1322 | -4.722 | .5312 | -2.286 | 1.458 |
| #2 | .3133 | -25.63 | .5256 | .7901 | -.6228 |

Check ? Value Range
 None None None None None

Sample Name: PBW051710A Acquired: 5/19/2010 23:00:09 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3898 | 1.969 | 60.57 | .1976 | -.0001 |
| Stddev | .4100 | 1.944 | 5.24 | 1.287 | .0015 |
| %RSD | 105.2 | 98.74 | 8.651 | 651.2 | 1828. |

| | | | | | |
|----|--------|-------|-------|--------|--------|
| #1 | -.6797 | 3.344 | 64.28 | -.7122 | -.0011 |
| #2 | -.0999 | .5942 | 56.87 | 1.107 | .0010 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .6112 | -1.748 | .5749 | .2572 |
| Stddev | .0843 | 2.275 | .8989 | .2749 |
| %RSD | 13.79 | 130.1 | 156.4 | 106.9 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .6708 | -3.357 | -.0608 | .4515 |
| #2 | .5516 | -.1401 | 1.211 | .0628 |

Check ? Value Range
 None None None None

Sample Name: PBW051710A Acquired: 5/19/2010 23:00:09 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 451.19 | 3484.5 | 3851.3 | 4848.1 |
| Stddev | .72 | 15.1 | 13.8 | 17.9 |
| %RSD | .15851 | .43292 | .35887 | .36828 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 451.70 | 3495.2 | 3861.1 | 4835.5 |
| #2 | 450.68 | 3473.8 | 3841.5 | 4860.7 |

Sample Name: LCSW051710A Acquired: 5/19/2010 23:04:04 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 457.4 | 47410. | 1029. | 442.5 | 474.4 |
| Stddev | 1.1 | 128. | 5. | 2.3 | 5.1 |
| %RSD | .2313 | .2692 | .5128 | .5241 | 1.082 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 458.2 | 47320. | 1026. | 440.9 | 470.8 |
| #2 | 456.7 | 47500. | 1033. | 444.1 | 478.0 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 493.8 | 46580. | 496.8 | 461.0 | 473.1 |
| Stddev | .3 | 202. | .6 | .0 | .7 |
| %RSD | .0578 | .4336 | .1216 | .0008 | .1393 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 494.0 | 46730. | 496.3 | 461.0 | 472.6 |
| #2 | 493.6 | 46440. | 497.2 | 461.0 | 473.6 |

Check ? Value Range
 None None None None None

Sample Name: LCSW051710A Acquired: 5/19/2010 23:04:04 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 448.2 | 45470. | 46740. | 46270. | 454.3 |
| Stddev | 1.1 | 75. | 120. | 24. | .9 |
| %RSD | .2447 | .1652 | .2558 | .0515 | .1882 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 448.9 | 45520. | 46830. | 46250. | 454.9 |
| #2 | 447.4 | 45420. | 46660. | 46290. | 453.7 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 998.0 | 45970. | 446.6 | 1005. | 1005. |
| Stddev | 4.9 | 26. | 1.5 | 3. | 11. |
| %RSD | .4893 | .0564 | .3328 | .3346 | 1.122 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 994.5 | 45990. | 445.5 | 1003. | 1013. |
| #2 | 1001. | 45950. | 447.6 | 1008. | 997.0 |

Check ? Value Range
 None None None None None

Sample Name: LCSW051710A Acquired: 5/19/2010 23:04:04 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1894. | 490.3 | 1039. | 900.9 | 1413. |
| Stddev | 7.5 | 3. | 5.0 | 25. | 17.3 |
| %RSD | .0097 | 1.532 | .3185 | .5524 | 1.742 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1894. | 485.0 | 1042. | 897.4 | 1431. |
| #2 | 1894. | 495.6 | 1037. | 904.4 | 1396. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 983.0 | 522.2 | 485.3 | 479.6 |
| Stddev | 2.7 | 1.2 | 2.0 | .3 |
| %RSD | .2787 | .2321 | .4214 | .0545 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 984.9 | 523.1 | 486.7 | 479.8 |
| #2 | 981.0 | 521.4 | 483.9 | 479.4 |

Check ? Value Range
 None None None None

Sample Name: LCSW051710A Acquired: 5/19/2010 23:04:04 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y-LL | Y-LL | Y-LL |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 399.60 | 3373.5 | 3705.0 | 4803.1 |
| Stddev | 3.58 | 10.1 | 4.6 | 17.3 |
| %RSD | .89596 | .30036 | .12309 | .36113 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 397.07 | 3380.7 | 3701.7 | 4790.9 |
| #2 | 402.14 | 3366.3 | 3708.2 | 4815.4 |

Sample Name: 828908 Acquired: 5/19/2010 23:07:56 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4066 | 18.77 | 2.734 | 118.2 | .7172 |
| Stddev | .2509 | 17.20 | 1.630 | .5 | 2.533 |
| %RSD | 61.71 | 91.63 | 59.59 | .4272 | 353.1 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | -2292 | 30.93 | 3.887 | 118.6 | -1.074 |
| #2 | -5841 | 6.608 | 1.582 | 117.9 | 2.508 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0887 | 14.90 | .0320 | -.0167 | .2375 |
| Stddev | .1604 | 19.45 | .0822 | .2420 | .3294 |
| %RSD | 180.9 | 130.5 | 257.2 | 1451. | 138.7 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -.0247 | 1.147 | .0901 | -.1878 | .0045 |
| #2 | .2021 | 28.65 | -.0262 | .1544 | .4704 |

Check ? Value Range
 None None None None None

Sample Name: 828908 Acquired: 5/19/2010 23:07:56 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.231 | -3.289 | 188.7 | -.9440 | .1612 |
| Stddev | .057 | 1.430 | 44.4 | 16.70 | .1251 |
| %RSD | 2.540 | 43.49 | 23.54 | 1769. | 77.64 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -2.271 | -4.300 | 157.3 | 10.86 | .0727 |
| #2 | -2.191 | -2.277 | 220.1 | -12.75 | .2497 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.445 | 4809. | -.1427 | -.0046 | -.2564 |
| Stddev | .462 | 46. | .2026 | 2.465 | .8180 |
| %RSD | 31.96 | .9579 | 142.0 | 53410. | 319.0 |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | 1.771 | 4841. | -.2860 | -1.747 | -.8348 |
| #2 | 1.118 | 4776. | .0005 | 1.738 | .3220 |

Check ? Value Range
 None None None None None

Sample Name: 828908 Acquired: 5/19/2010 23:07:56 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2934 | -2.353 | 148.7 | 2.415 | .0534 |
| Stddev | .0551 | 6.904 | 2.7 | .357 | .0110 |
| %RSD | 18.78 | 293.4 | 1.786 | 14.80 | 20.59 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .2544 | -7.235 | 150.5 | 2.163 | .0612 |
| #2 | .3324 | 2.528 | 146.8 | 2.668 | .0456 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .8263 | -.5923 | .6446 | .3534 |
| Stddev | .0977 | .4936 | 1.190 | .1737 |
| %RSD | 10.55 | 83.34 | 184.7 | 49.15 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .8572 | -.9414 | -.1971 | .2306 |
| #2 | .9953 | -.2433 | 1.486 | .4762 |

Check ? Value Range
 None None None None

Sample Name: 828908 Acquired: 5/19/2010 23:07:56 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 449.33 | 3481.7 | 3842.4 | 4861.3 |
| Stddev | .75 | 5.8 | 7.0 | 18.9 |
| %RSD | .16685 | .16726 | .18126 | .38909 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 449.86 | 3485.8 | 3847.3 | 4848.0 |
| #2 | 448.80 | 3477.6 | 3837.5 | 4874.7 |

Sample Name: 828908L Acquired: 5/19/2010 23:11:53 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.097 | 7.937 | 5.002 | 124.0 | -31.80 |
| Stddev | 2.820 | 4.028 | 4.314 | 3.9 | 6.25 |
| %RSD | 46.25 | 50.74 | 86.24 | 3.139 | 19.64 |

| | | | | | |
|----|--------|-------|-------|-------|--------|
| #1 | -4.103 | 5.089 | 8.052 | 126.7 | -36.22 |
| #2 | -8.091 | 10.79 | 1.952 | 121.2 | -27.39 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5444 | 91.72 | -2.105 | 2.097 | -1.727 |
| Stddev | .4801 | 532.6 | .3182 | .512 | 4.080 |
| %RSD | 88.19 | 580.7 | 151.2 | 24.41 | 236.3 |

| | | | | | |
|----|-------|--------|--------|-------|--------|
| #1 | .2049 | -284.9 | -4.356 | 1.735 | 2.713 |
| #2 | .8838 | 468.3 | .0145 | 2.459 | -3.058 |

Check ?
 Value
 Range

Sample Name: 828908L Acquired: 5/19/2010 23:11:53 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -16.78 | -2.445 | -112.4 | -170.1 | .4459 |
| Stddev | 5.77 | 34.04 | 507.5 | 186.1 | .4820 |
| %RSD | 34.38 | 139.2 | 451.5 | 109.4 | 108.1 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -12.70 | -26.51 | -471.3 | -38.52 | .1050 |
| #2 | -20.86 | 21.62 | 246.5 | -301.7 | .7867 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.838 | 4817. | -2.206 | -22.76 | -7.268 |
| Stddev | .242 | 58. | 9.704 | 36.09 | 5.099 |
| %RSD | 6.301 | 1.214 | 440.0 | 158.6 | 70.16 |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | 4.009 | 4859. | 4.657 | 2.760 | -10.87 |
| #2 | 3.667 | 4776. | -9.068 | -48.28 | -3.662 |

Check ?
 Value
 Range

Sample Name: 828908L Acquired: 5/19/2010 23:11:53 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3193 | -12.55 | 193.7 | -9.245 | .4032 |
| Stddev | 7.114 | 11.59 | 17.9 | 11.45 | .4535 |
| %RSD | 2228. | 92.38 | 9.267 | 123.9 | 112.5 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -4.711 | -4.351 | 206.4 | -1.145 | .0825 |
| #2 | 5.349 | -20.74 | 181.0 | -17.34 | .7239 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.179 | 3.658 | 2.881 | 8.619 |
| Stddev | 3.012 | 1.829 | 1.360 | .311 |
| %RSD | 58.17 | 49.99 | 47.20 | 3.609 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3.049 | 4.951 | 1.920 | 8.839 |
| #2 | 7.309 | 2.365 | 3.843 | 8.400 |

Check ?
 Value
 Range

Sample Name: 828908L Acquired: 5/19/2010 23:11:53 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 453.13 | 3480.3 | 3849.1 | 4815.8 |
| Stddev | 1.26 | 22.1 | 8.7 | 27.0 |
| %RSD | .27712 | .63357 | .22534 | .56016 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 452.24 | 3464.7 | 3842.9 | 4796.8 |
| #2 | 454.02 | 3495.9 | 3855.2 | 4834.9 |

Sample Name: 828909 Acquired: 5/19/2010 23:15:47 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.0422 | -23.94 | .7878 | 121.9 | -6.635 |
| Stddev | 1.086 | 11.90 | .8102 | .2 | 1.452 |
| %RSD | 2571. | 49.70 | 102.8 | .1252 | 21.88 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -8.101 | -15.53 | 1.351 | 121.7 | -7.661 |
| #2 | .7256 | -32.35 | .2149 | 122.0 | -5.608 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1787 | -42.37 | .0271 | .3700 | .3587 |
| Stddev | .0004 | 24.46 | .0041 | .1704 | .1059 |
| %RSD | .2452 | 57.72 | 15.32 | 46.04 | 29.53 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .1790 | -59.67 | .0241 | .2496 | .4336 |
| #2 | .1784 | -25.08 | .0300 | .4905 | .2838 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828909 Acquired: 5/19/2010 23:15:47 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.946 | 12.32 | 72.47 | -48.87 | .2021 |
| Stddev | .413 | .66 | 246.9 | 17.31 | .0322 |
| %RSD | 21.22 | 5.374 | 340.7 | 35.41 | 15.92 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -2.238 | 11.85 | 247.1 | -36.64 | .1793 |
| #2 | -1.654 | 12.79 | -102.1 | -61.11 | .2249 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3186 | 4969. | -4.139 | -2.758 | -2.495 |
| Stddev | .0928 | 33. | .4171 | 1.816 | .573 |
| %RSD | 29.11 | .6554 | 100.8 | 65.83 | 22.97 |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | .3842 | 4992. | -1.190 | -1.474 | -2.089 |
| #2 | .2530 | 4946. | -7.088 | -4.042 | -2.900 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828909 Acquired: 5/19/2010 23:15:47 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1322 | 1.180 | 152.3 | .3665 | .0663 |
| Stddev | .0860 | .047 | .8 | 2.079 | .0045 |
| %RSD | 65.06 | 3.972 | .5054 | 567.3 | 6.845 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | .1931 | 1.213 | 152.8 | -1.104 | .0695 |
| #2 | .0714 | 1.147 | 151.7 | 1.837 | .0631 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.028 | -1.710 | .5033 | .5879 |
| Stddev | .550 | .838 | .3156 | .2429 |
| %RSD | 53.57 | 49.00 | 62.71 | 40.63 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 1.417 | -2.303 | .7264 | .7697 |
| #2 | .6383 | -1.118 | .2801 | .4262 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828909 Acquired: 5/19/2010 23:15:47 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 451.09 | 3462.3 | 3850.3 | 4907.1 |
| Stddev | 2.21 | 13.6 | 15.7 | 6.5 |
| %RSD | .48889 | .39196 | .40875 | .13293 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 449.53 | 3471.8 | 3839.2 | 4902.5 |
| #2 | 452.65 | 3452.7 | 3861.4 | 4911.7 |

Sample Name: 828910 Acquired: 5/19/2010 23:20:21 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.388 | -12.70 | 19.77 | 121.7 | 51.68 |
| Stddev | 1.921 | 85.93 | 7.01 | .7 | 69.75 |
| %RSD | 138.4 | 676.6 | 35.47 | .5581 | 135.0 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .0294 | 48.06 | 14.81 | 121.2 | 2.361 |
| #2 | 2.746 | -73.46 | 24.72 | 122.2 | 101.0 |

Check ? Value Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2661 | 284.7 | 2.287 | -1.426 | .5679 |
| Stddev | .0812 | 274.6 | .868 | 1.434 | .4246 |
| %RSD | 30.53 | 96.48 | 37.96 | 100.5 | 74.76 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | .2086 | 90.46 | 1.673 | -1.157 | .2677 |
| #2 | .3235 | 478.9 | 2.901 | .8714 | .8682 |

Check ? Value Range

Sample Name: 828910 Acquired: 5/19/2010 23:20:21 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.705 | -5.573 | 63.87 | 17.40 | 1.350 |
| Stddev | 2.123 | 13.46 | 132.6 | 70.00 | .097 |
| %RSD | 243.9 | 241.5 | 207.6 | 402.2 | 7.210 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -2.372 | 3.944 | 157.6 | -32.09 | 1.281 |
| #2 | .6306 | -15.09 | -29.91 | 66.90 | 1.419 |

Check ? Value Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8195 | 5046. | -5.600 | 41.62 | -6.391 |
| Stddev | 1.297 | 281. | 1.457 | 32.79 | .768 |
| %RSD | 158.3 | 5.567 | 26.02 | 78.78 | 12.02 |

| | | | | | |
|----|--------|-------|--------|-------|--------|
| #1 | -.0979 | 4848. | -4.570 | 18.44 | -5.847 |
| #2 | 1.737 | 5245. | -6.631 | 64.81 | -6.934 |

Check ? Value Range

Sample Name: 828910 Acquired: 5/19/2010 23:20:21 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.021 | -2.108 | 159.5 | -20.23 | .1794 |
| Stddev | .739 | 2.865 | 7.3 | 5.73 | .0265 |
| %RSD | 24.44 | 135.9 | 4.599 | 28.33 | 14.78 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -2.499 | -.0817 | 154.3 | -24.28 | .1981 |
| #2 | -3.544 | -4.134 | 164.7 | -16.18 | .1606 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .7552 | 3.305 | -.4364 | 1.825 |
| Stddev | 1.030 | 1.762 | 1.787 | .255 |
| %RSD | 136.4 | 53.30 | 409.5 | 13.96 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 1.484 | 2.059 | .8272 | 1.645 |
| #2 | .0267 | 4.551 | -1.700 | 2.005 |

Check ? Value Range

Sample Name: 828910 Acquired: 5/19/2010 23:20:21 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 424.49 | 3247.9 | 3600.3 | 4666.4 |
| Stddev | 6.79 | 188.2 | 13.1 | 285.3 |
| %RSD | 1.5997 | 5.7949 | .36407 | 6.1128 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 419.69 | 3381.0 | 3591.0 | 4868.1 |
| #2 | 429.29 | 3114.8 | 3609.6 | 4464.7 |

Sample Name: 828911 Acquired: 5/19/2010 23:24:11 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3528 | 8.530 | 2.545 | 121.9 | 4.591 |
| Stddev | .4166 | 3.860 | 3.182 | .2 | 4.331 |
| %RSD | 118.1 | 45.25 | 125.0 | .1288 | 94.34 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .0582 | 5.801 | .2949 | 121.8 | 7.654 |
| #2 | .6473 | 11.26 | 4.795 | 122.0 | 1.529 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1939 | 38.15 | -.0356 | .0844 | -.2509 |
| Stddev | .1353 | 40.80 | .0687 | .4109 | .0304 |
| %RSD | 69.77 | 107.0 | 192.8 | 486.7 | 12.13 |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | .2896 | 9.297 | .0130 | -.2062 | -.2724 |
| #2 | .0983 | 67.00 | -.0842 | .3750 | -.2293 |

Check ? Value Range
 None None None None None

Sample Name: 828911 Acquired: 5/19/2010 23:24:11 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.9259 | -12.99 | 58.21 | 12.33 | .6487 |
| Stddev | .8584 | 2.95 | 57.75 | 24.46 | .0968 |
| %RSD | 92.71 | 22.70 | 99.20 | 198.3 | 14.92 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -1.533 | -10.91 | 17.38 | 29.63 | .7172 |
| #2 | -.3189 | -15.08 | 99.05 | -4.961 | .5803 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2059 | 5069. | .0909 | 5.518 | -1.453 |
| Stddev | .1589 | 85. | .5255 | 2.253 | 1.700 |
| %RSD | 77.17 | 1.677 | 577.7 | 40.84 | 117.0 |

| | | | | | |
|----|-------|-------|--------|-------|--------|
| #1 | .3183 | 5009. | -.2806 | 7.111 | -.2513 |
| #2 | .0936 | 5129. | .4625 | 3.924 | -2.655 |

Check ? Value Range
 None None None None None

Sample Name: 828911 Acquired: 5/19/2010 23:24:11 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6849 | -1.427 | 147.8 | -.8364 | .1386 |
| Stddev | .4970 | .751 | .9 | .7992 | .0393 |
| %RSD | 72.57 | 52.64 | .5797 | 95.55 | 28.38 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .3334 | -1.958 | 148.4 | -.2713 | .1108 |
| #2 | 1.036 | -.8960 | 147.1 | -1.401 | .1664 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .7523 | -2.351 | -.2396 | 1.699 |
| Stddev | .1984 | .079 | 1.327 | .211 |
| %RSD | 26.37 | 3.366 | 553.9 | 12.43 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .8926 | -2.295 | .6989 | 1.550 |
| #2 | .6121 | -2.407 | -1.178 | 1.848 |

Check ? Value Range
 None None None None

Sample Name: 828911 Acquired: 5/19/2010 23:24:11 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 446.49 | 3466.3 | 3823.7 | 4841.0 |
| Stddev | 1.07 | 11.6 | 2.4 | 23.6 |
| %RSD | .24020 | .33501 | .06282 | .48749 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 447.24 | 3458.1 | 3822.0 | 4857.7 |
| #2 | 445.73 | 3474.5 | 3825.4 | 4824.4 |

Sample Name: 828912 Acquired: 5/19/2010 23:28:06 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0030 | 45.37 | .2418 | 124.8 | 5.497 |
| Stddev | .5351 | 20.12 | .2758 | 1.3 | 6.021 |
| %RSD | 17680. | 44.35 | 114.1 | 1.081 | 109.5 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -3754 | 59.60 | .0468 | 123.8 | 9.754 |
| #2 | .3814 | 31.14 | .4368 | 125.8 | 1.239 |

Check ? Value Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0952 | 16.23 | -1.002 | .4481 | .4681 |
| Stddev | .0563 | 38.70 | .0219 | .1519 | .5480 |
| %RSD | 59.20 | 238.5 | 21.82 | 33.90 | 117.1 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | .1350 | 43.59 | -.0847 | .5555 | .0806 |
| #2 | .0553 | -11.14 | -.1157 | .3407 | .8556 |

Check ? Value Range

Sample Name: 828912 Acquired: 5/19/2010 23:28:06 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.528 | 30.37 | 15.97 | -22.20 | 2.335 |
| Stddev | .228 | 2.25 | 86.65 | 40.69 | .030 |
| %RSD | 9.000 | 7.421 | 542.5 | 183.3 | 1.269 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -2.367 | 28.78 | -45.30 | 6.577 | 2.314 |
| #2 | -2.689 | 31.96 | 77.24 | -50.97 | 2.356 |

Check ? Value Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5626 | 5141. | .1800 | 10.04 | -3.099 |
| Stddev | .0290 | .31. | .0511 | 4.24 | 2.119 |
| %RSD | 5.156 | .6079 | 28.38 | 42.26 | 683.6 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | .5421 | 5118. | .2161 | 13.04 | -1.808 |
| #2 | .5831 | 5163. | .1439 | 7.039 | 1.188 |

Check ? Value Range

Sample Name: 828912 Acquired: 5/19/2010 23:28:06 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7220 | .0516 | 207.8 | 1.656 | .3129 |
| Stddev | .4351 | 1.251 | 1.6 | 1.799 | .0034 |
| %RSD | 60.26 | 2426. | .7706 | 108.7 | 1.095 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 1.030 | .9365 | 208.9 | 2.928 | .3153 |
| #2 | .4144 | -.8333 | 206.6 | .3832 | .3104 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 1.636 | -1.408 | .3402 | .9819 |
| Stddev | .073 | 1.515 | .6764 | .1350 |
| %RSD | 4.436 | 107.6 | 198.8 | 13.75 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | 1.584 | -.3367 | -.1381 | .8864 |
| #2 | 1.687 | -2.479 | .8185 | 1.077 |

Check ? Value Range

Sample Name: 828912 Acquired: 5/19/2010 23:28:06 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 450.35 | 3499.9 | 3850.1 | 4832.7 |
| Stddev | 1.85 | 11.4 | 5.3 | 12.5 |
| %RSD | .41084 | .32588 | .13649 | .25789 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 449.05 | 3507.9 | 3853.8 | 4823.9 |
| #2 | 451.66 | 3491.8 | 3846.4 | 4841.5 |

Sample Name: CCV Acquired: 5/19/2010 23:32:00 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 95.83 | 30080. | 103.5 | 723.9 | 196.1 |
| Stddev | .03 | 37. | .6 | 4.5 | 9.4 |
| %RSD | .0306 | .1240 | .5485 | .6195 | 4.785 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 95.81 | 30100. | 103.1 | 720.7 | 202.8 |
| #2 | 95.85 | 30050. | 103.9 | 727.1 | 189.5 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.72 | 29810. | 97.99 | 189.4 | 193.6 |
| Stddev | .24 | 110. | .07 | .2 | .1 |
| %RSD | .2391 | .3705 | .0747 | .1223 | .0446 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 99.89 | 29890. | 98.04 | 189.3 | 193.6 |
| #2 | 99.56 | 29730. | 97.94 | 189.6 | 193.7 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCV Acquired: 5/19/2010 23:32:00 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 181.8 | 29250. | 29760. | 30140. | 187.5 |
| Stddev | .6 | 36. | 123. | 69. | .4 |
| %RSD | .3156 | .1225 | .4120 | .2290 | .1922 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 182.2 | 29270. | 29850. | 30190. | 187.8 |
| #2 | 181.4 | 29220. | 29670. | 30090. | 187.3 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.0 | 30110. | 188.6 | 202.0 | 403.2 |
| Stddev | 1.4 | 58. | 5. | .7 | .6 |
| %RSD | .6976 | .1925 | .2692 | .3663 | .1377 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 197.0 | 30150. | 188.9 | 202.5 | 403.6 |
| #2 | 198.9 | 30070. | 188.2 | 201.5 | 402.8 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCV Acquired: 5/19/2010 23:32:00 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 292.4 | 94.99 | 1007. | 197.8 | 297.5 |
| Stddev | 4.3 | .45 | 2. | .2 | 2.4 |
| %RSD | 1.459 | .4729 | .1513 | .1175 | .7904 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 295.5 | 95.31 | 1008. | 197.6 | 299.1 |
| #2 | 289.4 | 94.68 | 1006. | 198.0 | 295.8 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 394.5 | 100.4 | 198.1 | 199.2 |
| Stddev | .9 | 1.0 | .5 | .4 |
| %RSD | .2289 | .9706 | .2361 | .1819 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 395.1 | 99.68 | 197.8 | 198.9 |
| #2 | 393.9 | 101.1 | 198.4 | 199.4 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCV Acquired: 5/19/2010 23:32:00 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 412.37 | 3379.2 | 3753.0 | 4800.9 |
| Stddev | .75 | 14.4 | 10.6 | 6.7 |
| %RSD | .18255 | .42541 | .28331 | .13906 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 412.90 | 3389.3 | 3760.5 | 4796.1 |
| #2 | 411.84 | 3369.0 | 3745.4 | 4805.6 |

Sample Name: CCB Acquired: 5/19/2010 23:35:49 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9783 | 18.84 | 5680 | 2.430 | -2.549 |
| Stddev | 2560 | 11.41 | 2.219 | 803 | 2.663 |
| %RSD | 26.17 | 60.54 | 390.6 | 33.06 | 104.5 |

| | | | | | |
|----|--------|-------|--------|-------|--------|
| #1 | -1.159 | 26.91 | -1.001 | 2.999 | -6658 |
| #2 | -.7972 | 10.77 | 2.137 | 1.862 | -4.432 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.615 (447) | 205.552 (454) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0908 | 69.84 | -1083 | 1498 | -1445 |
| Stddev | 0736 | 58.99 | 1181 | 2681 | 4453 |
| %RSD | 81.06 | 84.46 | 109.0 | 179.0 | 308.1 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -1428 | 111.6 | -1918 | -0398 | -4594 |
| #2 | -0388 | 28.13 | -0248 | 3394 | 1703 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/19/2010 23:35:49 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.643 | -2.498 | 3.867 | 6106 | 0294 |
| Stddev | 290 | 13.96 | 281.2 | 4.895 | 1242 |
| %RSD | 10.97 | 558.9 | 7273. | 801.7 | 422.8 |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | -2.848 | -12.37 | -195.0 | -2.851 | .1172 |
| #2 | -2.438 | 7.375 | 202.7 | 4.072 | -.0584 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8906 | 26.11 | 5004 | -1729 | -1.693 |
| Stddev | 1512 | 14.07 | 3897 | 3648 | 1.457 |
| %RSD | 16.98 | 53.91 | 77.86 | 211.1 | 86.08 |

| | | | | | |
|----|-------|-------|-------|--------|--------|
| #1 | .9975 | 36.06 | .7760 | -.4308 | -2.723 |
| #2 | .7836 | 16.15 | .2249 | .0851 | -.6625 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/19/2010 23:35:49 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5921 | -.8508 | 6.543 | -.1861 | .0057 |
| Stddev | 1.151 | 1.215 | .629 | 1.402 | .0194 |
| %RSD | 194.4 | 142.8 | 9.609 | 753.3 | 342.7 |

| | | | | | |
|----|--------|--------|-------|--------|--------|
| #1 | 1.406 | -1.710 | 6.098 | .8053 | -.0081 |
| #2 | -.2217 | .0082 | 6.987 | -1.178 | .0194 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .2798 | 1.008 | -.0686 | .0158 |
| Stddev | .0885 | .384 | .3309 | .1315 |
| %RSD | 31.61 | 38.07 | 482.7 | 831.3 |

| | | | | |
|----|-------|-------|--------|--------|
| #1 | .3423 | .7369 | .1655 | .1088 |
| #2 | .2173 | 1.280 | -.3026 | -.0772 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/19/2010 23:35:49 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 448.01 | 3429.3 | 3800.2 | 4769.7 |
| Stddev | 3.45 | 3.2 | 1.1 | 9.7 |
| %RSD | .76934 | .09396 | .02868 | .20421 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 450.44 | 3427.0 | 3799.4 | 4762.9 |
| #2 | 445.57 | 3431.6 | 3801.0 | 4776.6 |

Sample Name: 828913 Acquired: 5/19/2010 23:39:44 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6238 | 11.14 | 2.418 | 122.3 | -7894 |
| Stddev | .5520 | 7.71 | .815 | .2 | 1.047 |
| %RSD | 88.49 | 69.27 | 25.42 | .1876 | 132.6 |

#1 -2335 16.59 1.983 122.5 -1.530
 #2 -1.014 5.682 2.853 122.1 -.0490

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3200 | -20.22 | .1101 | .6694 | .0901 |
| Stddev | .4422 | 12.45 | .1058 | .4383 | .1287 |
| %RSD | 138.2 | 61.56 | 96.14 | 65.48 | 142.9 |

#1 .6327 -11.42 .0353 .3595 .1811
 #2 .0073 -29.03 .1849 .9794 -.0009

Check ?
 Value
 Range

Sample Name: 828913 Acquired: 5/19/2010 23:39:44 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.230 | -6207 | 67.89 | 4.661 | .1183 |
| Stddev | 1.022 | 6.477 | 30.62 | 30.38 | .0197 |
| %RSD | 45.85 | 1043. | 45.11 | 651.7 | 16.70 |

#1 -2.953 -5.200 46.24 -16.82 .1043
 #2 -1.507 3.959 89.55 26.14 .1322

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1442 | 5000. | .5785 | -.4565 | -1.554 |
| Stddev | .1132 | 103. | .5737 | 1.089 | 1.513 |
| %RSD | 78.50 | 2.066 | 99.18 | 238.5 | 97.40 |

#1 .2242 4927. .1728 -1.226 -.4836
 #2 .0641 5073. .9841 .3133 -2.624

Check ?
 Value
 Range

Sample Name: 828913 Acquired: 5/19/2010 23:39:44 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.349 | 1.997 | 135.7 | 1.594 | .0255 |
| Stddev | .495 | 4.425 | 2.1 | 1.289 | .0104 |
| %RSD | 36.71 | 221.6 | 1.527 | 80.85 | 40.54 |

#1 1.699 -1.132 137.1 2.505 .0182
 #2 .9989 5.125 134.2 .6827 .0329

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .6906 | -.6762 | -.1774 | .3424 |
| Stddev | .2258 | .0644 | .2274 | .4477 |
| %RSD | 32.69 | 9.530 | 128.2 | 130.7 |

#1 .8502 -.7218 -.0166 .0258
 #2 .5309 -.6306 -.3382 .6590

Check ?
 Value
 Range

Sample Name: 828913 Acquired: 5/19/2010 23:39:44 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 449.00 | 3485.8 | 3833.1 | 4875.4 |
| Stddev | 1.66 | 5.3 | 13.9 | 21.6 |
| %RSD | .37019 | .15337 | .36166 | .44381 |

#1 450.18 3489.6 3842.9 4890.7
 #2 447.83 3482.0 3823.3 4860.1

Sample Name: 828914 Acquired: 5/19/2010 23:43:37 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6481 | -8.354 | 4.155 | 122.8 | -1.578 |
| Stddev | .3703 | 31.65 | .915 | 1.6 | 6.995 |
| %RSD | 57.13 | 378.8 | 22.03 | 1.331 | 443.2 |

| | | | | | |
|----|-------|--------|-------|-------|--------|
| #1 | -3863 | 14.02 | 3.508 | 121.6 | 3.368 |
| #2 | -9099 | -30.73 | 4.803 | 124.0 | -6.525 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.0101 | 29.66 | -1907 | 0.241 | -0.0462 |
| Stddev | .0312 | 16.48 | .0744 | .0371 | .9312 |
| %RSD | 307.4 | 55.57 | 39.02 | 153.8 | 2017. |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | .0119 | 18.00 | -2433 | .0504 | -7046 |
| #2 | -.0322 | 41.31 | -1381 | -.0021 | .6123 |

Check ? Value Range
 None None None None None

Sample Name: 828914 Acquired: 5/19/2010 23:43:37 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.748 | .6399 | 44.12 | -42.16 | .1353 |
| Stddev | .477 | 8.072 | 60.50 | 7.55 | .0957 |
| %RSD | 17.37 | 1261. | 137.1 | 17.90 | 70.79 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -2.411 | -5.068 | 86.90 | -36.82 | .2030 |
| #2 | -3.086 | 6.348 | 1.340 | -47.49 | .0676 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1589 | 5055. | .5248 | 2.882 | .6848 |
| Stddev | .2578 | 4. | .4631 | 6.296 | .8690 |
| %RSD | 162.2 | .0715 | 88.23 | 218.5 | 126.9 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -.0234 | 5058. | .8523 | 7.333 | .0704 |
| #2 | .3413 | 5053. | .1974 | -1.570 | 1.299 |

Check ? Value Range
 None None None None None

Sample Name: 828914 Acquired: 5/19/2010 23:43:37 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4128 | -3.607 | 137.4 | -.0536 | .0461 |
| Stddev | .7629 | 2.316 | .7 | 2.506 | .0125 |
| %RSD | 184.8 | 64.21 | .5011 | 4679. | 27.13 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | .1266 | -5.245 | 136.9 | 1.718 | .0549 |
| #2 | -.9523 | -1.969 | 137.8 | -1.825 | .0372 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .8261 | -1.587 | -.0628 | .4355 |
| Stddev | .2651 | .090 | .8413 | .1588 |
| %RSD | 32.09 | 5.675 | 1341. | 36.46 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | 1.014 | -1.524 | .5321 | .5478 |
| #2 | .6387 | -1.651 | -.6576 | .3232 |

Check ? Value Range
 None None None None

Sample Name: 828914 Acquired: 5/19/2010 23:43:37 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 444.65 | 3464.8 | 3815.0 | 4839.0 |
| Stddev | .11 | 3.4 | .9 | 31.5 |
| %RSD | .02380 | .09905 | .02485 | .65099 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 444.72 | 3467.2 | 3815.6 | 4816.8 |
| #2 | 444.57 | 3462.4 | 3814.3 | 4861.3 |

Sample Name: 828915 Acquired: 5/19/2010 23:47:30 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6799 | 62.31 | 1.691 | 124.6 | 6.671 |
| Stddev | .0012 | 6.86 | 1.677 | .6 | 2.987 |
| %RSD | .1740 | 11.01 | 99.19 | .4796 | 44.78 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -6807 | 57.46 | 5048 | 124.2 | 4.558 |
| #2 | -6790 | 67.16 | 2.876 | 125.0 | 8.783 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0192 | 60.83 | 4524 | .0757 | .1940 |
| Stddev | .2105 | 4.44 | 1386 | .1664 | .7868 |
| %RSD | 1094. | 7.291 | 30.63 | 219.7 | 405.6 |

| | | | | | |
|----|-------|-------|-------|--------|--------|
| #1 | -1680 | 57.70 | 5504 | .1934 | -.3624 |
| #2 | .1296 | 63.97 | .3544 | -.0419 | .7504 |

Check ?
 Value
 Range

Sample Name: 828915 Acquired: 5/19/2010 23:47:30 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.837 | 43.01 | 80.72 | 5.741 | 1.664 |
| Stddev | .021 | 5.62 | 147.7 | 48.86 | .005 |
| %RSD | 1.164 | 13.07 | 183.0 | 851.1 | .2994 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -1.822 | 46.98 | 185.2 | 40.29 | 1.661 |
| #2 | -1.853 | 39.03 | -23.73 | -28.81 | 1.668 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2847 | 5199. | .3461 | -12.31 | -.9564 |
| Stddev | .3213 | 37. | .8527 | 21.65 | .9004 |
| %RSD | 112.8 | .7175 | 246.4 | 175.9 | 94.15 |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | .5119 | 5225. | .9490 | 2.999 | -1.593 |
| #2 | .0576 | 5173. | -.2569 | -27.62 | -.3197 |

Check ?
 Value
 Range

Sample Name: 828915 Acquired: 5/19/2010 23:47:30 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4347 | 1.259 | 202.6 | 2.716 | .3998 |
| Stddev | .2273 | 6.237 | 1.7 | 1.581 | .0376 |
| %RSD | 52.30 | 495.5 | .8196 | 58.20 | 9.394 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.2739 | -3.151 | 201.4 | 1.598 | .3732 |
| #2 | -.5954 | 5.669 | 203.7 | 3.833 | .4263 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2.258 | -.5828 | 1.247 | 1.460 |
| Stddev | .225 | .2665 | .515 | .109 |
| %RSD | 9.953 | 45.73 | 41.31 | 7.469 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2.099 | -.7713 | .8829 | 1.383 |
| #2 | 2.417 | -.3944 | 1.611 | 1.537 |

Check ?
 Value
 Range

Sample Name: 828915 Acquired: 5/19/2010 23:47:30 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 446.27 | 3443.6 | 3806.4 | 4823.5 |
| Stddev | 3.00 | 3.3 | 2.1 | 18.4 |
| %RSD | .67300 | .09541 | .05523 | .38078 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 444.15 | 3441.3 | 3807.9 | 4810.5 |
| #2 | 448.39 | 3445.9 | 3804.9 | 4836.5 |

Sample Name: 828916 Acquired: 5/19/2010 23:51:24 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 396.152 {85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2608 | -30.53 | 1.380 | 120.0 | -8.910 |
| Stddev | .0845 | 5.85 | .892 | 1.1 | 15.54 |
| %RSD | 32.40 | 19.14 | 64.61 | .9234 | 174.4 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -.2010 | -26.40 | .7497 | 119.2 | -19.90 |
| #2 | -.3205 | -34.67 | 2.011 | 120.8 | 2.078 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4445 | 85.53 | .1127 | .3898 | -.4933 |
| Stddev | .2668 | 312.6 | .0682 | .8682 | .6867 |
| %RSD | 60.02 | 365.5 | 60.55 | 222.7 | 139.2 |

| | | | | | |
|----|-------|--------|-------|--------|--------|
| #1 | .2559 | 306.6 | .1609 | -.2240 | -.0078 |
| #2 | .6332 | -135.5 | .0644 | 1.004 | -.9788 |

Check ? Value Range
 None None None None None

Sample Name: 828916 Acquired: 5/19/2010 23:51:24 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 {44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.207 | -3.046 | 43.22 | 75.70 | .0260 |
| Stddev | .305 | .657 | 6.43 | 141.5 | .0203 |
| %RSD | 13.80 | 21.57 | 14.88 | 186.9 | 78.08 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -2.423 | -2.581 | 47.77 | 175.8 | .0404 |
| #2 | -1.992 | -3.511 | 38.67 | -24.37 | .0116 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 {467} | 589.592 {57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6366 | 4936. | .1495 | -3.046 | -.8044 |
| Stddev | .8237 | 30. | .7427 | 1.800 | .7155 |
| %RSD | 129.4 | .6111 | 496.8 | 59.10 | 88.95 |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | 1.219 | 4957. | .6747 | -4.319 | -.2985 |
| #2 | .0542 | 4914. | -.3757 | -1.773 | -1.310 |

Check ? Value Range
 None None None None None

Sample Name: 828916 Acquired: 5/19/2010 23:51:24 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 {83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2163 | -2.438 | 132.5 | -2.319 | .0756 |
| Stddev | 4.674 | 6.673 | 2.3 | 5.844 | .0234 |
| %RSD | 2161. | 273.7 | 1.765 | 252.0 | 30.93 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -3.089 | -7.157 | 134.1 | 1.813 | .0591 |
| #2 | 3.522 | 2.280 | 130.8 | -6.451 | .0921 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .5498 | 3.291 | .4371 | 1.481 |
| Stddev | .0844 | 5.329 | .0310 | .105 |
| %RSD | 15.35 | 161.9 | 7.103 | 7.102 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | .6095 | -.4769 | .4151 | 1.556 |
| #2 | .4901 | 7.060 | .4590 | 1.407 |

Check ? Value Range
 None None None None

Sample Name: 828916 Acquired: 5/19/2010 23:51:24 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 {91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 446.98 | 3435.9 | 3810.4 | 4847.8 |
| Stddev | .89 | 3.5 | 3.8 | 14.8 |
| %RSD | .19947 | .10204 | .09871 | .30558 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 446.35 | 3433.4 | 3813.1 | 4837.3 |
| #2 | 447.61 | 3438.4 | 3807.8 | 4858.3 |

Sample Name: 828917 Acquired: 5/19/2010 23:55:19 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1941 | 19.22 | .4637 | 124.0 | -5.351 |
| Stddev | .6316 | 9.44 | .3251 | 1.6 | 1.598 |
| %RSD | 325.4 | 49.10 | 70.11 | 1.270 | 29.87 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | -2525 | 12.54 | .2338 | 125.1 | -4.221 |
| #2 | .6407 | 25.89 | .6936 | 122.9 | -6.481 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2125 | 127.7 | .1743 | .5737 | -1.595 |
| Stddev | .3676 | 35.3 | .1249 | .2696 | .0775 |
| %RSD | 172.9 | 27.60 | 71.70 | 46.99 | 48.59 |

| | | | | | |
|----|--------|-------|-------|-------|--------|
| #1 | -.0474 | 102.8 | .0859 | .3831 | -.2143 |
| #2 | .4724 | 152.7 | .2626 | .7643 | -.1047 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828917 Acquired: 5/19/2010 23:55:19 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.863 | 11.24 | 122.2 | 14.77 | .2144 |
| Stddev | .033 | 11.30 | 218.9 | 39.27 | .0246 |
| %RSD | 1.141 | 100.5 | 179.1 | 265.9 | 11.50 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -2.886 | 3.251 | -32.57 | 42.53 | .2318 |
| #2 | -2.840 | 19.24 | 276.9 | -13.00 | .1970 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4001 | 5057. | -5.018 | 2.739 | -.4117 |
| Stddev | .3060 | 26. | .0901 | .569 | .7487 |
| %RSD | 76.50 | .5198 | 17.96 | 20.77 | 181.9 |

| | | | | | |
|----|-------|-------|--------|-------|--------|
| #1 | .1837 | 5038. | -.5656 | 2.337 | .1177 |
| #2 | .6164 | 5075. | -.4381 | 3.141 | -.9411 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828917 Acquired: 5/19/2010 23:55:19 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7937 | .2287 | 140.6 | 1.549 | .0476 |
| Stddev | 2.535 | .4444 | 1.9 | .921 | .0124 |
| %RSD | 332.0 | 194.3 | 1.336 | 59.45 | 26.17 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | 1.070 | .5430 | 141.9 | .8978 | .0564 |
| #2 | -2.657 | -.0855 | 139.3 | 2.200 | .0388 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .5387 | -1.944 | .3596 | .6142 |
| Stddev | .6011 | 1.324 | .1839 | .2268 |
| %RSD | 111.6 | 68.13 | 51.15 | 36.93 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | .1136 | -1.007 | .2295 | .4538 |
| #2 | .9637 | -2.880 | .4896 | .7746 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828917 Acquired: 5/19/2010 23:55:19 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 444.71 | 3409.6 | 3804.1 | 4838.2 |
| Stddev | 2.18 | 5.2 | 10.7 | 16.4 |
| %RSD | .49107 | .15299 | .28181 | .33797 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 443.16 | 3413.3 | 3796.5 | 4849.8 |
| #2 | 446.25 | 3405.9 | 3811.6 | 4826.6 |

Sample Name: 828918 Acquired: 5/19/2010 23:59:15 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4717 | 28.94 | 2.731 | 126.8 | -4530 |
| Stddev | .7265 | 2.47 | 1.965 | .3 | 1.026 |
| %RSD | 154.0 | 8.540 | 71.96 | .2535 | 226.5 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | -9854 | 30.68 | 1.341 | 126.6 | .2724 |
| #2 | .0420 | 27.19 | 4.121 | 127.0 | -1.178 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0639 | -9.829 | .1287 | .4274 | .1611 |
| Stddev | .1832 | 21.35 | .2434 | .0931 | .2264 |
| %RSD | 286.5 | 217.2 | 189.1 | 21.79 | 140.5 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | -.0656 | 5.266 | .3008 | .4932 | .0010 |
| #2 | .1934 | -24.92 | -.0434 | .3615 | .3212 |

Check ?
 Value
 Range

Sample Name: 828918 Acquired: 5/19/2010 23:59:15 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.547 | 44.32 | 219.0 | -4.364 | 1.870 |
| Stddev | .929 | 1.75 | 95.8 | 63.28 | .095 |
| %RSD | 60.09 | 3.942 | 43.75 | 1450. | 5.053 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -.8895 | 45.55 | 286.7 | -49.11 | 1.803 |
| #2 | -2.204 | 43.08 | 151.2 | 40.38 | 1.937 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0368 | 5201. | -4970 | 9.930 | -.3750 |
| Stddev | .3305 | 1. | .8431 | 3.828 | 1.203 |
| %RSD | 898.3 | .0247 | 169.6 | 38.55 | 320.8 |

| | | | | | |
|----|--------|-------|--------|-------|--------|
| #1 | -.1969 | 5202. | -1.093 | 12.64 | .4757 |
| #2 | .2705 | 5200. | .0992 | 7.223 | -1.226 |

Check ?
 Value
 Range

Sample Name: 828918 Acquired: 5/19/2010 23:59:15 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7043 | 2.375 | 193.7 | -.1489 | .2469 |
| Stddev | .2573 | 3.226 | .9 | 3.194 | .0354 |
| %RSD | 36.53 | 135.8 | .4807 | 2144. | 14.32 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -.5224 | .0940 | 194.3 | -2.407 | .2719 |
| #2 | -.8863 | 4.656 | 193.0 | 2.109 | .2219 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2.258 | -.9096 | .0067 | 1.501 |
| Stddev | .310 | .4042 | .2041 | .157 |
| %RSD | 13.74 | 44.44 | 3052. | 10.44 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | 2.478 | -1.195 | .1510 | 1.390 |
| #2 | 2.039 | -.6237 | -.1376 | 1.612 |

Check ?
 Value
 Range

Sample Name: 828918 Acquired: 5/19/2010 23:59:15 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 443.48 | 3415.8 | 3788.1 | 4806.2 |
| Stddev | 1.78 | 22.9 | .3 | 45.9 |
| %RSD | .40031 | .67094 | .00896 | .95410 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 444.73 | 3432.0 | 3787.9 | 4838.6 |
| #2 | 442.22 | 3399.6 | 3788.4 | 4773.8 |

Sample Name: 828919 Acquired: 5/20/2010 0:03:10 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0648 | 11.46 | 1.795 | 75.97 | 3.772 |
| Stddev | .4005 | 43.20 | .925 | .17 | 1.304 |
| %RSD | 618.1 | 377.0 | 51.55 | .2301 | 34.57 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | -2184 | 42.01 | 1.140 | 76.10 | 4.694 |
| #2 | -3480 | -19.09 | 2.449 | 75.85 | 2.850 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0326 | 87.71 | .2521 | -.1024 | .2359 |
| Stddev | .1601 | 16.44 | .4370 | .0336 | .2167 |
| %RSD | 491.5 | 18.74 | 173.3 | 32.78 | 91.87 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -.1458 | 76.08 | -.0569 | -.0787 | .0826 |
| #2 | .0806 | 99.33 | .5612 | -.1261 | .3891 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828919 Acquired: 5/20/2010 0:03:10 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.512 | 6.021 | 98.03 | 16.18 | .6522 |
| Stddev | .854 | 15.86 | 35.92 | 33.36 | .0561 |
| %RSD | 33.98 | 263.5 | 36.64 | 206.2 | 8.607 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -1.908 | 17.24 | 123.4 | 39.76 | .6125 |
| #2 | -3.115 | -5.196 | 72.63 | -7.414 | .6919 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1202 | 3106. | -.7421 | 1.290 | -.7963 |
| Stddev | .1084 | 37. | .2195 | .623 | .4570 |
| %RSD | 90.16 | 1.205 | 29.58 | 48.31 | 57.39 |

| | | | | | |
|----|-------|-------|--------|-------|--------|
| #1 | .0436 | 3133. | -.5869 | .8492 | -1.119 |
| #2 | .1968 | 3080. | -.8973 | 1.730 | -.4731 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 828919 Acquired: 5/20/2010 0:03:10 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9253 | -2.430 | 120.2 | -.2262 | .1899 |
| Stddev | .8419 | .827 | 1.421 | .0104 | .0104 |
| %RSD | 90.98 | 34.04 | .6531 | 628.5 | 5.485 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .3300 | -1.845 | 120.7 | .7789 | .1826 |
| #2 | 1.521 | -3.015 | 119.6 | -1.231 | .1973 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Tl-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .9017 | -2.132 | 1.219 | 1.258 |
| Stddev | .7711 | .042 | .521 | .109 |
| %RSD | 85.51 | 1.956 | 42.72 | 8.641 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 1.447 | -2.103 | .8510 | 1.335 |
| #2 | .3565 | -2.162 | 1.588 | 1.181 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 828919 Acquired: 5/20/2010 0:03:10 Type: Unk
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 445.60 | 3402.8 | 3803.4 | 4793.2 |
| Stddev | .81 | 4.3 | 2.1 | .2 |
| %RSD | .18091 | .12535 | .05405 | .00332 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 446.17 | 3405.8 | 3804.8 | 4793.3 |
| #2 | 445.03 | 3399.8 | 3801.9 | 4793.1 |

Sample Name: CCV Acquired: 5/20/2010 0:07:04 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 95.43 | 29930. | 103.8 | 717.3 | 191.9 |
| Stddev | .36 | 108. | .0 | 1.8 | 2.0 |
| %RSD | .3766 | .3609 | .0306 | .2576 | 1.057 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 95.17 | 29850. | 103.8 | 715.9 | 193.3 |
| #2 | 95.68 | 30000. | 103.9 | 718.6 | 190.5 |

Check ?
 High Limit
 Low Limit

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
|---------|----------|----------|----------|----------|----------|

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.04 | 29630. | 96.90 | 187.9 | 191.6 |
| Stddev | .29 | 130. | .39 | .2 | .4 |
| %RSD | .2947 | .4379 | .4046 | .0947 | .2228 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 99.25 | 29540. | 97.18 | 188.1 | 191.9 |
| #2 | 98.84 | 29730. | 96.63 | 187.8 | 191.3 |

Check ?
 High Limit
 Low Limit

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
|---------|----------|----------|----------|----------|----------|

Sample Name: CCV Acquired: 5/20/2010 0:07:04 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 181.1 | 29400. | 29700. | 29940. | 187.1 |
| Stddev | 1.1 | 28. | 119. | 16. | .2 |
| %RSD | .6304 | .0957 | .4012 | .0541 | .0890 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 181.9 | 29420. | 29620. | 29930. | 187.2 |
| #2 | 180.3 | 29380. | 29780. | 29950. | 186.9 |

Check ?
 High Limit
 Low Limit

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
|---------|----------|----------|----------|----------|----------|

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.0 | 29890. | 186.3 | 197.6 | 401.4 |
| Stddev | .5 | 20. | .3 | 2.7 | 2.0 |
| %RSD | .2769 | .0670 | .1674 | 1.355 | .4988 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 195.6 | 29910. | 186.5 | 199.5 | 400.0 |
| #2 | 196.4 | 29880. | 186.1 | 195.7 | 402.8 |

Check ?
 High Limit
 Low Limit

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
|---------|----------|----------|----------|----------|----------|

Sample Name: CCV Acquired: 5/20/2010 0:07:04 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 290.0 | 96.32 | 1000. | 194.7 | 294.5 |
| Stddev | 3.0 | .04 | 1. | 2.7 | .3 |
| %RSD | 1.045 | .0403 | .1401 | 1.408 | .1082 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 287.8 | 96.30 | 1001. | 192.8 | 294.3 |
| #2 | 292.1 | 96.35 | 999.5 | 196.7 | 294.8 |

Check ?
 High Limit
 Low Limit

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
|---------|----------|----------|----------|----------|----------|

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 394.8 | 99.73 | 198.0 | 196.3 |
| Stddev | .7 | 1.36 | .2 | .5 |
| %RSD | .1680 | 1.365 | .0964 | .2761 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 395.3 | 98.77 | 197.9 | 195.9 |
| #2 | 394.4 | 100.7 | 198.2 | 196.7 |

Check ?
 High Limit
 Low Limit

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
|---------|----------|----------|----------|----------|

Sample Name: CCV Acquired: 5/20/2010 0:07:04 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 409.39 | 3333.0 | 3717.7 | 4785.4 |
| Stddev | .92 | 1.8 | 1.8 | 21.4 |
| %RSD | .22520 | .05435 | .04926 | .44766 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 410.05 | 3334.3 | 3719.0 | 4800.5 |
| #2 | 408.74 | 3331.7 | 3716.4 | 4770.2 |

Sample Name: CCB Acquired: 5/20/2010 0:10:54 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.0860 | 25.11 | 3.782 | 1.059 | -3.630 |
| Stddev | 1.168 | 25.15 | .331 | 1.340 | 1.473 |
| %RSD | 1358. | 100.2 | 8.756 | 126.6 | 405.9 |
| #1 | -.9121 | 42.89 | 4.016 | 2.006 | -1.405 |
| #2 | .7400 | 7.324 | 3.548 | .1111 | .6789 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2093 | 44.76 | -.3882 | -.1433 | -.6462 |
| Stddev | .1064 | 47.22 | .0977 | .4114 | .0350 |
| %RSD | 50.84 | 105.5 | 25.17 | 287.1 | 5.410 |
| #1 | .1341 | 11.37 | -.4573 | -.4342 | -.6710 |
| #2 | .2846 | 78.14 | -.3191 | .1476 | -.6215 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 0:10:54 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.758 | -8.330 | 9.175 | -19.38 | .0394 |
| Stddev | .242 | 3.475 | 16.33 | 43.33 | .0996 |
| %RSD | 13.77 | 41.71 | 178.0 | 223.5 | 252.8 |
| #1 | -1.587 | -10.79 | 20.72 | 11.25 | -.0310 |
| #2 | -1.929 | -5.873 | -2.373 | -50.02 | .1099 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5613 | -5.257 | .0737 | -1.682 | -3.185 |
| Stddev | .7269 | 17.05 | .0130 | 1.914 | 1.667 |
| %RSD | 129.5 | 324.4 | 17.67 | 113.8 | 52.34 |
| #1 | 1.075 | 6.801 | .0829 | -.3282 | -4.364 |
| #2 | .0473 | -17.32 | .0645 | -3.035 | -2.006 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 0:10:54 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8934 | -2.318 | 4.493 | 1.170 | -.0054 |
| Stddev | 1.312 | .372 | .863 | 1.108 | .0346 |
| %RSD | 146.9 | 16.03 | 19.21 | 94.74 | 643.3 |
| #1 | -.0345 | -2.056 | 5.104 | .3861 | .0191 |
| #2 | 1.821 | -2.581 | 3.883 | 1.953 | -.0299 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .5581 | .2776 | .0629 | -.1617 |
| Stddev | .2554 | .7063 | .5287 | .0028 |
| %RSD | 45.76 | 254.4 | 840.7 | 1.728 |
| #1 | .7387 | -.2218 | -.3109 | -.1598 |
| #2 | .3775 | .7770 | .4367 | -.1637 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 0:10:54 Type: QC
 Method: 6010B(v51) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 446.03 | 3373.4 | 3782.4 | 4798.5 |
| Stddev | 2.84 | 6.3 | 12.5 | 19.0 |
| %RSD | .63641 | .18630 | .32937 | .39677 |
| #1 | 444.03 | 3377.9 | 3773.6 | 4811.9 |
| #2 | 448.04 | 3369.0 | 3791.3 | 4785.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass



Sample Preparation – Metals

| STANDARD TRACEABILITY RECORDS | | |
|-------------------------------------|---------------------|--|
| ICP-OES Instrument | | |
| Date: 5/15/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 051910-01 | TFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 051910-02A | TFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 051910-03A | AM | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 051910-04 | SW | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | Lot Number | |
| Used for all methods | | |
| STD 7: | MESTD7W00012 | |
| STD 8: | MESTD8W00008 | |
| STD 4: | MESTD4W00010 | |
| ICV: | MEICVW00005 | |
| CCV: | MECCVW00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME5%2% RINSE W00015 | |
| Internal Standard Solution: | MEICP7ISW00007 | |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | ME6010ICSAW00003 | |
| ICSAB 6010: | ME6010ABW00001 | |
| CRI 6010: | ME6010CRIW00006 | |
| DOD LRV Solution: | ME DODLRVW00004 | |
| 6010 Post Spiking Solution: | MESPIKE#1W00008 | |
| 5 PPM AG: | MESPPM AGW00003 | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | | |
| ICSA ILM05.4: | | |
| ICSAB ILM05.4: | | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

137225, 137171

| Batch Information: | | | Method Information: | | | Reagent & Standard Traceability: | | | |
|--------------------|---------|--|----------------------|---------|-----------|----------------------------------|---|---------------------------|---------------|
| Date: | 5/17/10 | | Digestion Method(s): | ILM04.1 | ILM05.4 | HCl Tag ID: | N/A | LCS Lot # | MELCJWL-00004 |
| Start Time: | 8:15 | | 3005AES | 3005MS | (3010AES) | 3010MS | HNO ₃ Tag ID | MEHNO ₃ -00008 | Spike Added |
| Stop Time: | 16:10 | | 3050AES | 3050MS | 200.7 | 200.8_DW | 1:1 HCl Lot # | MEI-HCL-00003 | True Value |
| Analyst: | ALS | | TIMS | CEC | SAR | | 1:1 HNO ₃ Lot # | N/A | MS Lot #: |
| Spike Analyst: | N/A | | Matrix: | | | | 30% H ₂ O ₂ Lot # | | Spike Added |
| Spike Witness: | J | | (Water) | Soil | Tissue | Air | 2% HNO ₃ Lot # | | True Value |

[illegible]

[†]Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature:

| | | | | | | | |
|---------|-------|---------|------|---------|------|---------|------|
| Block 1 | 97 °C | Block 3 | ~ °C | Block 5 | ~ °C | Block 7 | ~ °C |
| Block 2 | 94 °C | Block 4 | ~ °C | Block 6 | ~ °C | Block 8 | ~ °C |

BR-FME002:04.02.08:7

TestAmerica

Page 100 of 100



Sample Handling



1 From This portion can be retrieved from Recipient's records.
Date _____ FedEx Tracking Number **867571039650**

Sender's Name _____ Phone _____
Company _____
Address _____
City _____ State _____ ZIP _____

2 Your Internal Billing Reference **22241609.02000**

3 To
Recipient's Name _____ Phone _____
Company _____
Recipient's Address _____
We cannot deliver to P.O. boxes or P.O. ZIP codes.
Address _____
To request a package be held at a specific FedEx location, print FedEx address here.
City _____ State _____ ZIP _____



8675 7103 9650

NT **716** 1 **D**
9650
05.04

FZ

0215

4a Express Package Service

☐ FedEx Priority Overnight
Next business day, before 8 a.m. Monday through Friday. Saturday delivery NOT available.
☐ FedEx Standard Overnight
Next business day, before 5 p.m. Monday through Friday. Saturday delivery NOT available.
☐ FedEx 2Day
Second business day, Thursday through Friday. Saturday delivery NOT available.
☐ FedEx Express Saver
Third business day, Saturday through Monday. Saturday delivery NOT available.

4b Express Freight Service

☐ FedEx 10day Freight
Next business day, Monday through Friday. Saturday delivery NOT available.
☐ FedEx 2day Freight
Second business day, Monday through Friday. Saturday delivery NOT available.
☐ FedEx 3day Freight
Third business day, Monday through Friday. Saturday delivery NOT available.

* Call for Confirmation: ☐ To most locations

5 Packaging

☐ FedEx Envelope*
☐ FedEx Pak*
☐ FedEx Box
☐ FedEx Tube
☐ Other

* Declared value limit \$500

6 Special Handling

☐ SATURDAY Delivery
Hold package for Saturday delivery. Saturday delivery NOT available for FedEx Priority Overnight, FedEx 2Day, FedEx 3Day, FedEx 10day Freight, FedEx 2day Freight, and FedEx 3day Freight.

☐ HOLD Weekday at FedEx Location
Hold package for weekday delivery at FedEx location. Saturday delivery NOT available for FedEx Priority Overnight, FedEx 2Day, FedEx 3Day, FedEx 10day Freight, FedEx 2day Freight, and FedEx 3day Freight.

☐ HOLD Saturday at FedEx Location
Hold package for Saturday delivery at FedEx location. Saturday delivery NOT available for FedEx Priority Overnight, FedEx 2Day, FedEx 3Day, FedEx 10day Freight, FedEx 2day Freight, and FedEx 3day Freight.

☐ Dry Ice
Dry ice must be placed in a Styrofoam container. Shipper's Declaration not required.

☐ Cargo Aircraft Only

☐ Signature Required

☐ Signature Required (Adult Signature)

☐ Signature Required (Restricted Signature)

☐ Signature Required (Restricted Signature)

☐ Signature Required (Restricted Signature)

☐ Signature Required (Restricted Signature)

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☐ Signature Required (Restricted Signature)

| TestAmerica Burlington | | | | |
|--|---------------------------------------|-------------------------------------|-------------------------------------|----------------|
| SAMPLE RECEIPT & LOG IN CHECKLIST | | | | |
| Client: <u>URSCOD</u> | Date Received: <u>05/04/10</u> | Log In Date: <u>05/04/10</u> | | |
| ETR: <u>137171</u> | Time Received: <u>1015</u> | By: <u>up</u> | | |
| SDG: <u>137121</u> | Received By: <u>VP</u> | Signature: <u>[Signature]</u> | | |
| Project: <u>290600</u> | # Coolers Received: <u>6</u> | PM Signature: <u>[Signature]</u> | | |
| Samples Delivered By: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify) | | | Date: <u>05/04/10</u> | |
| List Air bill Number(s) or Attach a photocopy of the Air Bill: | | | | |
| | | | | |
| COOLER SCREEN | YES | NO | NA | COMMENTS |
| There is <u>no</u> evidence to indicate tampering | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seals are present and intact | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seal numbers are present | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| If yes, list custody seal numbers: | | | | |
| | | | | |
| Thermal Preservation Type: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other (specify) | | | | |
| IR Gun ID: <u>96</u> | Correction Factor (CF) = <u>-2</u> °C | | | |
| Cooler 1: <u>2.0</u> °C | Cooler 6: <u>4.3</u> °C | Cooler 11: °C | Cooler 16: °C | |
| Cooler 2: <u>2.2</u> °C | Cooler 7: °C | Cooler 12: °C | Cooler 17: °C | |
| Cooler 3: <u>4.2</u> °C | Cooler 8: °C | Cooler 13: °C | Cooler 18: °C | |
| Cooler 4: <u>0.5</u> °C | Cooler 9: °C | Cooler 14: °C | Cooler 19: °C | |
| Cooler 5: <u>2.8</u> °C | Cooler 10: °C | Cooler 15: °C | Cooler 20: °C | |
| Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun | | | | |
| EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen. | | | | |
| Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified. | | | | |
| SAMPLE CONDITION | YES | NO | NA | COMMENTS |
| Sample containers were received intact | <input checked="" type="checkbox"/> | | | |
| Legible sample labels are affixed to each container | <input checked="" type="checkbox"/> | | | |
| CHAIN OF CUSTODY (COC) | YES | NO | NA | COMMENTS |
| COC is present and includes the following information for each container: | | | | |
| • Sample ID / Sample Description | <input checked="" type="checkbox"/> | | | |
| • Date of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Time of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Identification of the Sampler | <input checked="" type="checkbox"/> | | | |
| • Preservation Type | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <u>Wet Ice</u> |
| • Requested Tests Method(s) | <input checked="" type="checkbox"/> | | | |
| • Necessary Signatures | <input checked="" type="checkbox"/> | | | |
| Internal Chain of Custody (ICOC) Required | | <input checked="" type="checkbox"/> | | |
| If yes to above, ICOC Record initiated for every Worksheet | | | <input checked="" type="checkbox"/> | |
| SAMPLE INTEGRITY / USABILITY | YES | NO | NA | COMMENTS |
| The sample container matches the COC | <input checked="" type="checkbox"/> | | | |
| Appropriate sample containers were received for the tests requested | <input checked="" type="checkbox"/> | | | |
| Samples were received within holding time | <input checked="" type="checkbox"/> | | | |
| Sufficient amount of sample is provided for requested analyses | <input checked="" type="checkbox"/> | | | |
| VOA vials do not have headspace or a bubble >6mm (1/4" diameter) | | | <input checked="" type="checkbox"/> | |
| Appropriate preservatives were used for the tests requested | <input checked="" type="checkbox"/> | | | |
| pH of inorganic samples checked and is within method specification | <input checked="" type="checkbox"/> | | | |
| If no, attach Inorganic Sample pH Adjustment Form | | | <input checked="" type="checkbox"/> | |
| ANOMALY / NCR SUMMARY | | | | |

TestAmerica
South Burlington, VT
Extended Data Package

137201

TestAmerica Laboratories, Inc.

May 20, 2010

Ms. Sheri O'Conner
URS Operating Services, Inc.
1099 18th Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: ; SDG: 137201

Dear Ms. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137201 | | | |
| 829194 | CVR1TR11T02NPLTGAW | 05/01/10 | TISSUE |
| 829194DP | CVR1TR11T02NPLTGAWREP | 05/01/10 | TISSUE |
| 829194MD | CVR1TR11T02NPLTGAWMSD | 05/01/10 | TISSUE |
| 829195 | CVR1TR11T02NPLTGBW | 05/01/10 | TISSUE |
| 829195DP | CVR1TR11T02NPLTGBWREP | 05/01/10 | TISSUE |
| 829195MD | CVR1TR11T02NPLTGBWMSD | 05/01/10 | TISSUE |
| 829196 | CVR1TR1-2-T02N-PLTGAW | 05/01/10 | TISSUE |
| 829197 | CVR1TR1-2-T02N-PLTGBW | 05/01/10 | TISSUE |
| 829198 | CVR1TR1-3-T02N-PLTGAW | 05/01/10 | TISSUE |
| 829199 | CVR1TR1-3-T02N-PLTGBW | 05/01/10 | TISSUE |
| 829200 | CVR1TR2-1-T02N-PLTGAW | 05/01/10 | TISSUE |
| 829201 | CVR1TR2-1-T02N-PLTGBW | 05/01/10 | TISSUE |
| 829202 | CVR1TR2-2-T02N-PLTGAW | 05/01/10 | TISSUE |
| 829203 | CVR1TR2-2-T02N-PLTGBW | 05/01/10 | TISSUE |
| 829204 | CVR1TR2-3-T02N-PLTGAW | 05/01/10 | TISSUE |
| 829205 | CVR1TR2-3-T02D-PLTGAW | 05/01/10 | TISSUE |
| 829206 | CVR1TR2-3-T02N-PLTGBW | 05/01/10 | TISSUE |
| 829207 | CVR1TR2-3-T02D-PLTGBW | 05/01/10 | TISSUE |
| 829208 | CVR1TR3-1-T02N-PLTGAW | 04/27/10 | TISSUE |
| 829209 | CVR1TR3-1-T02N-PLTGBW | 04/27/10 | TISSUE |
| 829210 | CVR1TR3-1-T03N-PLTFW | 04/27/10 | TISSUE |
| 829211 | CVR1TR3-1-T03N-PLTFBW | 04/27/10 | TISSUE |
| 829212 | CVR1TR3-2-T02N-PLTGAW | 04/28/10 | TISSUE |
| 829213 | CVR1TR3-2-T02D-PLTGAW | 04/28/10 | TISSUE |



| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137201 | | | |
| 829214 | EQBLK01 | | TISSUE |

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B

These tissue samples were homogenized prior to extraction as per internal laboratory procedure. There were no quality control issues encountered during the analysis of the samples.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|---|------------|
| Chain of Custody..... | 2 |
| Sample Report Summary Wet Chemistry | 6 |
| Supportive Documentation Wet Chemistry | 29 |
| Sample Report Summary Metals | 33 |
| QC Summary Metals | 56 |
| Supportive Documentation Metals | 85 |
| Sample Preparation Metals | 141 |
| Sample Handling | 146 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

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PAGE 1 OF 13

| Project Name CMTI Soil + Vegetation | | Project Number 22241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | |
|---|---------------------------------|--|------------------|---|--------|---|----------------------|--|------|---|-------|-------|-------|------------|------|------------|------------|-----------|---|
| Project Manager Marc Soellner | | Report CC Sheri O'Connor sheri-oconnor@urcorp.com | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | FAX # (303) 694-3946 (URS) Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5877 | Sampler's Signature Liz Best | FOR LAB USE ONLY | SAMPLING DATE | TIME | MATRIX | Total Number of Containers | Total Metals Moly | Inorganic Suite (see notes) | VOCs | BTEX | TPH-G | TPH-D | SVOCs | Pesticides | PCBs | Explosives | PCDD/PCDFs | Herbicide | PRESERVATIVE |
| | | | 05/01/10 | 1230 | S | 1 | X | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C |
| | | | 05/01/10 | 1305 | | | | | | | | | | | | | | | |
| | | | 05/01/10 | 1325 | | | | | | | | | | | | | | | |
| | | | 05/01/10 | 1330 | | | | | | | | | | | | | | | |
| | | | 05/01/10 | 1350 | | | | | | | | | | | | | | | |
| | | | 05/01/10 | 1355 | | | | | | | | | | | | | | | |
| | | | 05/01/10 | 1050 | | | | | | | | | | | | | | | |
| | | | 05/01/10 | 1105 | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | Matrix Key: W = Water S = Soil/Sediment B = Biotin O = Other | | RUSH (surcharges apply) 24 hr 48 hr 5 day | | TURNAROUND REQUIREMENTS X STANDARD per work order REQUESTED FAX DATE | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No per work order | | INVOICE INFORMATION PO# BILL TO: Sheri O'Connor SUBMISSION #: | | | | | | | | | |
| URS Contact: Sheri O'Connor See SOW <input checked="" type="checkbox"/> sherio-oconnor@urcorp.com See QAPP <input type="checkbox"/> | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | CUSTODY SEALS Y N | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.2 | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | |

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White and Yellow to lab

Pink - sample management

Cooler of



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

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PAGE 2 OF 13

| Project Name | | Project Number | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------------------------|--|---|--|------|--|--|--|----------------------------|--|---|--|-----------------------------|--|---|--|------|--|---|--|-------|--|-------|--|------------|--|------|--|------------|--|------------|--|-----------|--|---|--|
| CMI Soil + Vegetation | | 32241609.02.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager | | Report CC Sheri O'Connor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address | | sherioconnor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8181 E Tufts Ave | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Denver, CO 80237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # | | FAX # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (303) 332-5297 | | (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature | | Sampler's Printed Name | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liz Best | | Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING DATE | | TIME | | MATRIX | | Total Number of Containers | | Total Metals | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| CVR1TR2-2-T02N-PLTGAW | | | | 05/01/10 | | 1025 | | O | | 1 | | X | | | | | | | | | | | | | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | |
| CVR1TR2-2-T02N-PLTGBW | | | | 05/01/10 | | 1030 | | I | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR2-3-T02N-PLTGAW | | | | 05/01/10 | | 0930 | | I | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR2-3-T02D-PLTGAW | | | | 05/01/10 | | 0930 | | I | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR2-3-T02N-PLTGBW | | | | 05/01/10 | | 0955 | | I | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR2-3-T02D-PLTGBW | | | | 05/01/10 | | 0955 | | I | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR3-1-T02N-PLTGAW | | | | 04/27/10 | | 1500 | | I | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR3-1-T02N-PLTGBW | | | | 04/27/10 | | 1500 | | I | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS | | | | Matrix Key: W = Water S = Soil/Sediment B = Biotin O = Other veg. | | | | TURNAROUND REQUIREMENTS RUSH (surcharges apply) 24 hr 48 hr 5 day | | | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUF, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edaia Yes No per work order | | | | INVOICE INFORMATION PO# BILL TO: Sheri O'Connor SUBMISSION #: | | | | | | | | | | | | | | | | | | | | | |
| Inorganic suite includes: | | | | URS Contact: sherioconnor@urscorp.com | | | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | | | CUSTODY SEALS Y N | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.2 | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | |
| Signature Liz Best | | | | Signature VW Pharm | | | | Signature TA Lab | | | | Signature TA Lab | | | | Signature TA Lab | | | | Signature TA Lab | | | | | | | | | | | | | | | | | |
| Printed Name Liz Best | | | | Printed Name VW Pharm | | | | Printed Name TA Lab | | | | Printed Name TA Lab | | | | Printed Name TA Lab | | | | Printed Name TA Lab | | | | | | | | | | | | | | | | | |
| Firm URS | | | | Firm URS | | | | Firm URS | | | | Firm URS | | | | Firm URS | | | | Firm URS | | | | | | | | | | | | | | | | | |
| Date/Time 05/03/10 1500 | | | | Date/Time 05/03/10 1015 | | | | Date/Time 05/03/10 1015 | | | | Date/Time 05/03/10 1015 | | | | Date/Time 05/03/10 1015 | | | | Date/Time 05/03/10 1015 | | | | | | | | | | | | | | | | | |

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White and Yellow to lab

Pink - sample management

Cooler _____ of _____



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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PAGE 3 OF 13

Work Order #

| Project Name | | Project Number | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | PRESERVATIVE | | | |
|---|--|-----------------------|--|---|--|-------------------|--|-----------------------------|--|------------------|--|------------------|--|--------------------|--|------------------|--|
| Project Manager | | Report CC | | Report CC | | Report CC | | Report CC | | Report CC | | Report CC | | Report CC | | Report CC | |
| Company/Address | | Company/Address | | Company/Address | | Company/Address | | Company/Address | | Company/Address | | Company/Address | | Company/Address | | Company/Address | |
| CMI Soil + Vegetation | | 22241609.02000 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| Maave Soellner | | Maave Soellner | | Maave Soellner | | Maave Soellner | | Maave Soellner | | Maave Soellner | | Maave Soellner | | Maave Soellner | | Maave Soellner | |
| 8181 E Tufts Ave | | 8181 E Tufts Ave | | 8181 E Tufts Ave | | 8181 E Tufts Ave | | 8181 E Tufts Ave | | 8181 E Tufts Ave | | 8181 E Tufts Ave | | 8181 E Tufts Ave | | 8181 E Tufts Ave | |
| Denver, CO 80237 | | Denver, CO 80237 | | Denver, CO 80237 | | Denver, CO 80237 | | Denver, CO 80237 | | Denver, CO 80237 | | Denver, CO 80237 | | Denver, CO 80237 | | Denver, CO 80237 | |
| Phone # | | FAX # | | Total Number of Containers | | Total Metals | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | |
| (303) 332-5297 | | (303) 694-3946 (URS) | | 0 | | Total Metals | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | |
| Sample's Signature | | Sample's Printed Name | | Total Number of Containers | | Total Metals | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | |
| Liz Best | | Liz Best | | 0 | | Total Metals | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | |
| FOR LAB | | SAMPLING | | DATE | | TIME | | MATRIX | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | |
| FIELD SAMPLE ID | | USE ONLY | | DATE | | TIME | | MATRIX | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | |
| CVR1TR3-1-T03N-PLTFAW | | PLTFAW | | 04/27/10 | | 1500 | | O | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | |
| CVR1TR3-1-T03N-PLTFBW | | PLTFBW | | 04/27/10 | | 1500 | | | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | |
| CVR1TR3-2-T02N-PLTGAW | | PLTGAW | | 04/28/10 | | 1110 | | | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | |
| CVR1TR3-2-T02D-PLTGAW | | PLTGAW | | 04/28/10 | | 1110 | | | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | |
| CVR1TR3-2-T02N-PLTGBW | | PLTGBW | | 04/28/10 | | 1405 | | | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | |
| CVR1TR3-2-T02D-PLTGBW | | PLTGBW | | 04/28/10 | | 1405 | | | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | |
| CVR1TR3-2-T03N-PLTFAW | | PLTFAW | | 04/28/10 | | 1150 | | | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | |
| CVR1TR3-2-T03N-PLTFBW | | PLTFBW | | 04/28/10 | | 1345 | | | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | |
| SPECIAL INSTRUCTIONS/COMMENTS | | Matrix Key: | | W = Water | | S = Soil/Sediment | | B = Biota | | O = Other | | Pesticides | | PCBs | | Explosives | |
| Inorganic suite includes: | | P = Plastic | | G = Glass | | C = Clear | | A = Amber | | V = Vial | | Z = Ziploc bag | | M = Multiple types | | PCDD/PCDFs | |
| URS Contact: sheri - o'connor@urscorp.com | | CUSTODY SEALS | | Y | | N | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | PCDD/PCDFs | |
| See SOW <input checked="" type="checkbox"/> | | RECEIVED BY | | Signature | | Printed Name | | Firm | | Date/Time | | Pesticides | | PCBs | | Explosives | |
| See QAPP <input type="checkbox"/> | | RELINQUISHED BY | | Signature | | Printed Name | | Firm | | Date/Time | | Pesticides | | PCBs | | Explosives | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.2 | | RECEIVED BY | | Signature | | Printed Name | | Firm | | Date/Time | | Pesticides | | PCBs | | Explosives | |
| RELINQUISHED BY | | RELINQUISHED BY | | Signature | | Printed Name | | Firm | | Date/Time | | Pesticides | | PCBs | | Explosives | |
| Signature | | Signature | | Signature | | Printed Name | | Firm | | Date/Time | | Pesticides | | PCBs | | Explosives | |
| Printed Name | | Printed Name | | Printed Name | | Printed Name | | Firm | | Date/Time | | Pesticides | | PCBs | | Explosives | |
| Firm | | Firm | | Firm | | Firm | | Firm | | Date/Time | | Pesticides | | PCBs | | Explosives | |
| Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Pesticides | | PCBs | | Explosives | |
| 05/03/10 1500 | | 05/03/10 1500 | | 05/03/10 1500 | | 05/03/10 1500 | | 05/03/10 1500 | | 05/03/10 1500 | | Pesticides | | PCBs | | Explosives | |

Cooler _____ of _____

Pink - sample management

White and Yellow to lab

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Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR11T02NPLTGAW

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829194

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 27.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 27.4 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY
Duplicate Sample Report Summary

Client Sample No.

CVR1TR11T02NPLTGAW

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829194DP

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 27.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | Sample Result Conc. | Sample Result Qual. | Duplicate Sample Result Conc. | Duplicate Sample Result Qual. | RPD ¹ |
|--------|-----------------|------------------------|---------------------|-------|---------------------------|---------------------------|-------------------------------------|-------------------------------------|------------------|
| IN623 | Solids, Percent | 05/13/10 | | % | 27.4 | | 27.6 | | 0.7 |

1 - Control Limit for RPD is +/- 20%, unless otherwise specified.

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR11T02NPLTGBW

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829195

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 28.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 28.3 | |

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Client Sample No.
CVR1TR11T02NPLTGBW

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR1-2-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829196

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 30.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 30.3 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR1TR1-2-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829197

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 39.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 39.9 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR1-3-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829198

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 28.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN823 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 28.8 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR1-3-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829199

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 31.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 31.9 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
CVR1TR2-1-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829200

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 27.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 27.7 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR1TR2-1-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829201

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 30.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 30.5 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR2-2-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829202

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 26.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 26.6 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR2-2-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829203

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 24.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 24.9 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR2-3-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829204

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 26.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 26.4 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR2-3-T02D-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829205

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 23.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 23.3 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR2-3-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829206

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 34.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 34.5 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR2-3-T02D-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829207

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 32.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 32.4 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-1-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829208

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 28.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 28.2 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-1-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829209

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 33.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 33.0 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-1-T03N-PLTFA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829210

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 18.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 18.2 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-1-T03N-PLTFB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829211

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 15.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 15.0 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR1TR3-2-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829212

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 23.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 23.9 | |

Printed on: 05/14/10 11:38 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-2-T02D-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137201

Lab Code: TALVT

Case No.:

Lab Sample ID: 829213

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 25.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 25.8 | |

Printed on: 05/14/10 11:38 AM



Supportive Documentation – Wet Chemistry



Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

| Analysis Start Date: 5/13/2010 | | Oven ID: 2 | | Analysis End Date: 5/14/2010 | | |
|--|---------|----------------|-----------------------------|----------------------------------|----------------|------------------|
| Analysis Start Time: 19:10 | | Time In: 20:00 | | Analysis End Time: 8:41 | | |
| Start Analyst: MNT | | Time Out: 8:22 | | End Analyst: AN | | |
| Start Analyst Signature: <i>AN for MNT</i> | | | | End Analyst Signature: <i>AN</i> | | |
| | | | | | | |
| LAB ID | Dish ID | Dish Weight | Weight of Dish + Wet Sample | Weight of Dish + Dry Sample | Percent Solids | Percent Moisture |
| | | (g) | (g) | (g) | (%) | (%) |
| 829894 | 1 | 1.00 | 10.18 | 8.22 | 78.6 | 21 |
| 829895 | 2 | 1.00 | 12.00 | 9.15 | 74.1 | 26 |
| 829896 | 3 | 0.97 | 11.33 | 9.70 | 84.3 | 16 |
| 829897 | 4 | 1.00 | 10.44 | 8.40 | 78.4 | 22 |
| 829898 | 5 | 1.00 | 10.61 | 7.74 | 70.1 | 30 |
| 829899 | 6 | 0.98 | 9.73 | 7.28 | 72.0 | 28 |
| 829900 | 7 | 0.99 | 11.19 | 5.48 | 44.0 | 56 |
| 829901 | 8 | 0.99 | 9.77 | 4.44 | 39.3 | 61 |
| 829902 | 9 | 1.01 | 11.63 | 8.79 | 73.3 | 27 |
| 829903 | 10 | 0.98 | 10.55 | 6.74 | 60.2 | 40 |
| 829194 | 11 | 0.98 | 4.37 | 1.91 | 27.4 | 73 |
| 829194DP | 12 | 1.00 | 4.40 | 1.94 | 27.6 | 72 |
| 829195 | 13 | 1.00 | 3.72 | 1.77 | 28.3 | 72 |
| 829195DP | 14 | 1.03 | 4.65 | 2.07 | 28.7 | 71 |
| 829196 | 15 | 1.01 | 3.35 | 1.72 | 30.3 | 70 |
| 829197 | 16 | 0.98 | 3.41 | 1.95 | 39.9 | 60 |
| 829198 | 17 | 1.00 | 3.60 | 1.75 | 28.8 | 71 |
| 829199 | 18 | 0.99 | 4.94 | 2.25 | 31.9 | 68 |
| 829200 | 19 | 1.00 | 3.74 | 1.76 | 27.7 | 72 |
| 829201 | 20 | 1.00 | 3.66 | 1.81 | 30.5 | 70 |
| 829202 | 21 | 1.01 | 3.23 | 1.60 | 26.6 | 73 |
| 829203 | 22 | 1.01 | 3.90 | 1.73 | 24.9 | 75 |
| 829204 | 23 | 0.99 | 3.64 | 1.69 | 26.4 | 74 |
| 829205 | 24 | 1.01 | 3.50 | 1.59 | 23.3 | 77 |
| 829206 | 25 | 1.01 | 4.05 | 2.06 | 34.5 | 66 |
| 829207 | 26 | 1.02 | 3.95 | 1.97 | 32.4 | 68 |
| 829208 | 27 | 0.96 | 3.30 | 1.62 | 28.2 | 72 |
| 829209 | 28 | 1.00 | 4.03 | 2.00 | 33.0 | 67 |
| 829210 | 29 | 1.01 | 4.48 | 1.64 | 18.2 | 82 |
| 829211 | 30 | 0.99 | 3.66 | 1.39 | 15.0 | 85 |

Calculation: Percent Wet Weight =
$$\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)

Percent Solids Determination

| | | | | | | |
|--|---------|--------------------|---------------------------------------|---------------------------------------|-----------------------|-------------------------|
| Analysis Start Date: 5/13/2010 | | Oven ID: 2 | | Analysis End Date: 5/14/2010 | | |
| Analysis Start Time: 19:10 | | Time In: 20:00 | | Analysis End Time: 8:46 | | |
| Start Analyst: MNT | | Time Out: 8:22 | | End Analyst: AN | | |
| Start Analyst Signature: <i>AN for MNT</i> | | | | End Analyst Signature: <i>AN</i> | | |
| | | | | | | |
| LAB ID | Dish ID | Dish Weight (g) | Weight of Dish + Wet Sample (g) | Weight of Dish + Dry Sample (g) | Percent Solids (%) | Percent Moisture (%) |
| 829212 | 31 | 1.02 | 4.83 | 1.93 | 23.9 | 76 |
| 829213 | 32 | 0.99 | 3.39 | 1.61 | 25.8 | 74 |
| 829219 | 33 | 1.01 | 4.49 | 2.11 | 31.6 | 68 |
| 829220 | 34 | 0.99 | 3.55 | 1.78 | 30.9 | 69 |
| 829221 | 35 | 1.03 | 2.77 | 1.29 | 14.9 | 85 |
| 829221DP | 36 | 1.00 | 2.68 | 1.30 | 17.9 | 82 |
| 829222 | 37 | 0.99 | 2.21 | 1.43 | 36.1 | 64 |
| 829222DP | 38 | 1.01 | 2.20 | 1.39 | 31.9 | 68 |
| 829223 | 39 | 1.00 | 3.59 | 1.80 | 30.9 | 69 |
| 829224 | 40 | 1.00 | 3.96 | 1.99 | 33.4 | 67 |
| 829225 | 41 | 1.03 | 3.10 | 1.47 | 21.3 | 79 |
| 829226 | 42 | 1.00 | 3.38 | 1.92 | 38.7 | 61 |
| 829227 | 43 | 0.97 | 2.40 | 1.43 | 32.2 | 68 |
| 829228 | 44 | 0.98 | 3.59 | 1.84 | 33.0 | 67 |
| 829229 | 45 | 1.00 | 2.98 | 1.40 | 20.2 | 80 |
| 829230 | 46 | 0.99 | 3.21 | 1.58 | 26.6 | 73 |
| 829231 | 47 | 1.00 | 3.17 | 1.71 | 32.7 | 67 |
| 829232 | 48 | 0.96 | 4.09 | 2.08 | 35.8 | 64 |
| 829233 | 49 | 0.98 | 2.55 | 1.58 | 38.2 | 62 |
| 829234 | 50 | 1.01 | 3.44 | 1.88 | 35.8 | 64 |
| 829235 | 51 | 0.98 | 2.87 | 1.38 | 21.2 | 79 |
| 829236 | 52 | 1.02 | 3.43 | 1.36 | 14.1 | 86 |
| 829237 | 53 | 0.98 | 4.34 | 1.95 | 28.9 | 71 |
| 829238 | 54 | 1.00 | 3.58 | 1.76 | 29.5 | 71 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Calculation: Percent Wet Weight =
$$\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)



Sample Report Summary – Metals

USEPA CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|-----------------------|----------------|
| CVR1TR11T02NPLTGAW | 829194 |
| CVR1TR11T02NPLTGAWD | 829194DP |
| CVR1TR11T02NPLTGAWS | 829194MS |
| CVR1TR11T02NPLTGBW | 829195 |
| CVR1TR11T02NPLTGBWD | 829195DP |
| CVR1TR11T02NPLTGBWS | 829195MS |
| CVR1TR1-2-T02N-PLTGAW | 829196 |
| CVR1TR1-2-T02N-PLTGBW | 829197 |
| CVR1TR1-3-T02N-PLTGAW | 829198 |
| CVR1TR1-3-T02N-PLTGBW | 829199 |
| CVR1TR2-1-T02N-PLTGAW | 829200 |
| CVR1TR2-1-T02N-PLTGBW | 829201 |
| CVR1TR2-2-T02N-PLTGAW | 829202 |
| CVR1TR2-2-T02N-PLTGBW | 829203 |
| CVR1TR2-3-T02D-PLTGAW | 829205 |
| CVR1TR2-3-T02D-PLTGBW | 829207 |
| CVR1TR2-3-T02N-PLTGAW | 829204 |
| CVR1TR2-3-T02N-PLTGBW | 829206 |
| CVR1TR3-1-T02N-PLTGAW | 829208 |
| CVR1TR3-1-T02N-PLTGBW | 829209 |
| CVR1TR3-1-T03N-PLTFAW | 829210 |
| CVR1TR3-1-T03N-PLTFBW | 829211 |
| CVR1TR3-2-T02D-PLTGAW | 829213 |
| CVR1TR3-2-T02N-PLTGAW | 829212 |
| EQBLK01 | 829214 |

Were ICP interelement corrections applied? Yes/No YES
Were ICP background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____
Date: _____ Title: _____

COVER PAGE - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR11T02NPLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829194
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 27.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 101 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR11T02NPLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829195
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 28.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 55.8 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR1-2-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829196
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 30.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 77.3 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments:

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR1-2-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829197
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 39.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 54.3 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: rootsComments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR1-3-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829198
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 28.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 90.0 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR1-3-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829199
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 31.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 46.2 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments:

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-1-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829200
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 27.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 53.4 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-1-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829201
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 30.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 24.2 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-2-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829202
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 26.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 33.1 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-2-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829203
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 24.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 28.1 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments:

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-3-T02D-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829205
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 23.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 47.8 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse

Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-3-T02D-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829207
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 32.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 41.0 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots
Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-3-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829204
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 26.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 48.6 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR2-3-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829206
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 34.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 41.9 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-1-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829208
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 28.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 48.3 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments:

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-1-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829209
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 33.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 30.0 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-1-T03N-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829210
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 18.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 70.4 | | | P |

Color Before: green Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-1-T03N-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829211
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 15.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 116 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-2-T02D-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829213
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 25.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 50.4 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-2-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829212
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 23.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 62.6 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

EQBLK01

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Lab Sample ID: 829214
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.047 | U | | P |

Color Before: colorless Clarity Before: clear Texture: _____Color After: light yellow Clarity After: clear Artifacts: _____Comments: _____

Form I - IN



QC Summary – Metals

USEPA CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137201
Initial Calibration Source: Inorganic Ventures/Fisher
Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 517.40 | 103.5 | 200.0 | 196.50 | 98.2 | 197.10 | 98.6 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137201
Initial Calibration Source: Inorganic Ventures/Fisher
Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 198.80 | 99.4 | 196.20 | 98.1 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137201
Initial Calibration Source: Inorganic Ventures/Fisher
Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|-------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 196.10 | 98.0 | | | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|------------|------|-------|----|-----------------------|-------|-------|-------|----|
| | True | Found | %R | Initial | | Final | | |
| | | | | True | Found | %R | Found | %R |
| Molybdenum | | | | 10.0 | 13.63 | 136.3 | | |

Control Limits: no limits have been established by EPA at this time

Form IIB-IN

3 BLANKS

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | M |
|------------|-----------------------------|-------------------------------------|-----|-----|--|--|--|-------------------|---|
| | | 1 | 2 | 3 | | | | | |
| Molybdenum | 2.3 | 0.6 | 0.7 | 0.5 | | | | 0.047 | |

USEPA CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | M |
|------------|--------------------------------------|--|-----|---|--|--|--|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| Molybdenum | | 0.5 | 0.5 | | | | | | P |

Form III - IN

USEPA CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
 ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures
 Concentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|-------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | 0 | 989.5 | 100.4 | | | |

Form IV - IN

USEPA_CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR1TR11T02NPLTGAWS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 27.4Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|---------------------|------|---|---|
| Molybdenum | 80 - 120 | 264.9703 | | 100.6968 | | 168.96 | 97.2 | | P |

Comments:

Form V (PART 1) - IN

USEPA_CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR1TR11T02NPLTGBWS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 28.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|---------------------|------|---|---|
| Molybdenum | 80 - 120 | 197.0819 | | 55.7602 | | 142.48 | 99.2 | | P |

Comments:

Form V (PART 1) - IN

USEPA CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR1TR11T02NPLTGAWA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201Matrix (soil/water): TISSUE Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|---------------------|------|---|---|
| Molybdenum | | 781.00 | 303.50 | 500.0 | 95.5 | | P |

Comments: _____

Form V (PART 2) - IN

USEPA CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR1TR11T02NPLTGBWA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201Matrix (soil/water): TISSUE Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added(SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|--------------------|------|---|---|
| Molybdenum | | 704.00 | 222.50 | 500.0 | 96.3 | | P |

Comments: _____

Form V (PART 2) - IN

USEPA_CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR1TR11T02NPLTGAWD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 27.4 % Solids for Duplicate: 27.6Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|------------|------------------|------------|---|---------------|---|------|---|---|
| Molybdenum | | 100.6968 | | 85.8022 | | 16.0 | | P |

Form VI - IN

USEPA_CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR1TR11T02NPLTGBWD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 28.3 % Solids for Duplicate: 28.7Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|------------|---------------|------------|---|---------------|---|------|---|---|
| Molybdenum | | 55.7602 | | 64.2735 | | 14.2 | | P |

Form VI - IN

USEPA CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137201Solid LCS Source: Inorganic VenturesAqueous LCS Source:

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | |
|------------|----------------|-------|----|---------------|-------|---|-------------|------|
| | True | Found | %R | True | Found | C | Limits | %R |
| Molybdenum | | | | 50.0 | 49.0 | | 40.0 60.0 | 98.0 |

Form VII - IN

USEPA CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

CVR1TR11T02NPLTGAWL

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: CMIS&V

SAS No.: _____

SDG No.: 137201Matrix (soil/water): TISSUE

Level (low/med): _____

LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) | | Serial Dilution Result (S) | | % Differ- ence | Q | M |
|------------|------------------------------|--|-------------------------------|--|-------------------|---|---|
| | C | | C | | | | |
| Molybdenum | 303.50 | | 297.40 | | 2.0 | | P |

Form IX - IN

USEPA CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

CVR1TR11T02NPLTGBWL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
Matrix (soil/water): TISSUE Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) | | Serial Dilution Result (S) | | % Differ- ence | Q | M |
|------------|------------------------------|--|-------------------------------|--|-------------------|---|---|
| | C | | C | | | | |
| Molybdenum | 222.50 | | 220.90 | | 0.7 | | P |

Form IX - IN

USEPA CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|-----------|---------------------|-------------|----------------|---------------|---|
| Molybdenu | 202.030 | | 10 | 0.47 | P |

Comments: _____

Form X - IN

USEPA_CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA_CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA_CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137201

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA_CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137201

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA_CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137201

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

USEPA CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments: _____

Form XII - IN

USEPA CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201Method: P

| EPA Sample No. | Preparation Date | Initial Volume mL | Volume (mL) |
|----------------------|---------------------|----------------------|----------------|
| CVR1TR11T02NPLTGAW | 5/14/2010 | 1.10 | 100.0 |
| CVR1TR11T02NPLTGAWD | 5/14/2010 | 1.02 | 100.0 |
| CVR1TR11T02NPLTGAWS | 5/14/2010 | 1.08 | 100.0 |
| CVR1TR11T02NPLTGBW | 5/14/2010 | 1.41 | 100.0 |
| CVR1TR11T02NPLTGBWD | 5/14/2010 | 1.32 | 100.0 |
| CVR1TR11T02NPLTGBWS | 5/14/2010 | 1.24 | 100.0 |
| CVR1TR1-2-T02N-PLTGA | 5/14/2010 | 1.07 | 100.0 |
| CVR1TR1-2-T02N-PLTGB | 5/14/2010 | 1.47 | 100.0 |
| CVR1TR1-3-T02N-PLTGA | 5/14/2010 | 1.18 | 100.0 |
| CVR1TR1-3-T02N-PLTGB | 5/14/2010 | 1.43 | 100.0 |
| CVR1TR2-1-T02N-PLTGA | 5/14/2010 | 1.10 | 100.0 |
| CVR1TR2-1-T02N-PLTGB | 5/14/2010 | 1.12 | 100.0 |
| CVR1TR2-2-T02N-PLTGA | 5/14/2010 | 1.30 | 100.0 |
| CVR1TR2-2-T02N-PLTGB | 5/14/2010 | 1.79 | 100.0 |
| CVR1TR2-3-T02D-PLTGA | 5/14/2010 | 1.16 | 100.0 |
| CVR1TR2-3-T02D-PLTGB | 5/14/2010 | 1.11 | 100.0 |
| CVR1TR2-3-T02N-PLTGA | 5/14/2010 | 1.17 | 100.0 |
| CVR1TR2-3-T02N-PLTGB | 5/14/2010 | 1.07 | 100.0 |
| CVR1TR3-1-T02N-PLTGA | 5/14/2010 | 1.05 | 100.0 |
| CVR1TR3-1-T02N-PLTGB | 5/14/2010 | 1.06 | 100.0 |
| CVR1TR3-1-T03N-PLTFA | 5/14/2010 | 1.17 | 100.0 |
| CVR1TR3-1-T03N-PLTFB | 5/14/2010 | 1.21 | 100.0 |
| CVR1TR3-2-T02D-PLTGA | 5/14/2010 | 1.11 | 100.0 |
| CVR1TR3-2-T02N-PLTGA | 5/14/2010 | 1.17 | 100.0 |
| EQBLK01 | 5/14/2010 | 1.00 | 100.0 |
| LCSS051410C | 5/14/2010 | 1.00 | 100.0 |
| PBS051410C | 5/14/2010 | 1.00 | 100.0 |

USEPA CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: CMIS&V

SAS No.: _____

SDG No.: 137201Instrument ID Number: TJA ICAP 7Method: PStart Date: 5/17/2010End Date: 5/17/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|---|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S G | A L | N T | T V | Z N | C N | | | |
| S0 | 1.00 | 1442 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| STD7 | 1.00 | 1446 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 1450 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 1454 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| ICV | 1.00 | 1458 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| ICB | 1.00 | 1501 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| ICSA | 1.00 | 1505 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| ICSAB | 1.00 | 1509 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CRI | 1.00 | 1513 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| ZZZZZZ | 1.00 | 1517 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1521 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCB | 1.00 | 1524 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| PBS051410C | 1.00 | 1528 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| LCSS051410C | 1.00 | 1532 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR11T02NPLTGAW | 1.00 | 1536 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR11T02NPLTGAWL | 5.00 | 1540 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR11T02NPLTGAWA | 1.00 | 1544 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR11T02NPLTGAWS | 1.00 | 1548 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR11T02NPLTGAWD | 1.00 | 1552 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR11T02NPLTGBW | 1.00 | 1556 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR11T02NPLTGBWL | 5.00 | 1559 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR11T02NPLTGBWA | 1.00 | 1603 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCV | 1.00 | 1607 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCB | 1.00 | 1611 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR11T02NPLTGBWS | 1.00 | 1615 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR11T02NPLTGBWD | 1.00 | 1619 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR1-2-T02N-PLTG | 1.00 | 1623 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR1-2-T02N-PLTG | 1.00 | 1627 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR1-3-T02N-PLTG | 1.00 | 1630 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR1-3-T02N-PLTG | 1.00 | 1634 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR2-1-T02N-PLTG | 1.00 | 1638 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR2-1-T02N-PLTG | 1.00 | 1642 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR2-2-T02N-PLTG | 1.00 | 1646 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR2-2-T02N-PLTG | 1.00 | 1650 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCV | 1.00 | 1654 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCB | 1.00 | 1657 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR2-3-T02N-PLTG | 1.00 | 1701 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR2-3-T02D-PLTG | 1.00 | 1705 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |

Form XIV - IN

USEPA CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: CMIS&V

SAS No.: _____

SDG No.: 137201Instrument ID Number: TJA ICAP 7Method: PStart Date: 5/17/2010End Date: 5/17/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|---|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S E | A G | N A | T L | V | Z N | C N | | |
| CVR1TR2-3-T02N-PLTG | 1.00 | 1709 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR2-3-T02D-PLTG | 1.00 | 1713 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR3-1-T02N-PLTG | 1.00 | 1717 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR3-1-T02N-PLTG | 1.00 | 1721 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR3-1-T03N-PLTF | 1.00 | 1725 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR3-1-T03N-PLTF | 1.00 | 1729 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR3-2-T02N-PLTG | 1.00 | 1732 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR1TR3-2-T02D-PLTG | 1.00 | 1736 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCV | 1.00 | 1740 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCB | 1.00 | 1744 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| EQBLK01 | 1.00 | 1748 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCV | 1.00 | 1752 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCB | 1.00 | 1756 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |

Form XIV - IN

USEPA CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137201
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/17/2010 End Date: 5/17/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| S0 | 1.00 | 14:42 | | | | | X | | | | | | | | | | | | |
| STD7 | 1.00 | 14:46 | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 14:50 | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 14:54 | | | | | X | | | | | | | | | | | | |
| ICV | 1.00 | 14:58 | | | | | X | | | | | | | | | | | | |
| ICB | 1.00 | 15:01 | | | | | X | | | | | | | | | | | | |
| ICSA | 1.00 | 15:05 | | | | | X | | | | | | | | | | | | |
| ICSAB | 1.00 | 15:09 | | | | | X | | | | | | | | | | | | |
| CRI | 1.00 | 15:13 | | | | | X | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 15:17 | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 15:21 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 15:24 | | | | | X | | | | | | | | | | | | |
| PBS051410C | 1.00 | 15:28 | | | | | X | | | | | | | | | | | | |
| LCSS051410C | 1.00 | 15:32 | | | | | X | | | | | | | | | | | | |
| CVR1TR11T02NPLTGAW | 1.00 | 15:36 | | | | | X | | | | | | | | | | | | |
| CVR1TR11T02NPLTGAW | 5.00 | 15:40 | | | | | X | | | | | | | | | | | | |
| CVR1TR11T02NPLTGAW | 1.00 | 15:44 | | | | | X | | | | | | | | | | | | |
| CVR1TR11T02NPLTGAW | 1.00 | 15:48 | | | | | X | | | | | | | | | | | | |
| CVR1TR11T02NPLTGAW | 1.00 | 15:52 | | | | | X | | | | | | | | | | | | |
| CVR1TR11T02NPLTGBW | 1.00 | 15:56 | | | | | X | | | | | | | | | | | | |
| CVR1TR11T02NPLTGBW | 5.00 | 15:59 | | | | | X | | | | | | | | | | | | |
| CVR1TR11T02NPLTGBW | 1.00 | 16:03 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 16:07 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 16:11 | | | | | X | | | | | | | | | | | | |
| CVR1TR11T02NPLTGBW | 1.00 | 16:15 | | | | | X | | | | | | | | | | | | |
| CVR1TR11T02NPLTGBW | 1.00 | 16:19 | | | | | X | | | | | | | | | | | | |
| CVR1TR1-2-T02N-PLT | 1.00 | 16:23 | | | | | X | | | | | | | | | | | | |
| CVR1TR1-2-T02N-PLT | 1.00 | 16:27 | | | | | X | | | | | | | | | | | | |
| CVR1TR1-3-T02N-PLT | 1.00 | 16:30 | | | | | X | | | | | | | | | | | | |
| CVR1TR1-3-T02N-PLT | 1.00 | 16:34 | | | | | X | | | | | | | | | | | | |
| CVR1TR2-1-T02N-PLT | 1.00 | 16:38 | | | | | X | | | | | | | | | | | | |
| CVR1TR2-1-T02N-PLT | 1.00 | 16:42 | | | | | X | | | | | | | | | | | | |
| CVR1TR2-2-T02N-PLT | 1.00 | 16:46 | | | | | X | | | | | | | | | | | | |
| CVR1TR2-2-T02N-PLT | 1.00 | 16:50 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 16:54 | | | | | X | | | | | | | | | | | | |

Form XIV - IN

USEPA CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137201
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/17/2010 End Date: 5/17/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| CCB | 1.00 | 16:57 | | | | | X | | | | | | | | | | | | |
| CVR1TR2-3-T02N-PLT | 1.00 | 17:01 | | | | | X | | | | | | | | | | | | |
| CVR1TR2-3-T02D-PLT | 1.00 | 17:05 | | | | | X | | | | | | | | | | | | |
| CVR1TR2-3-T02N-PLT | 1.00 | 17:09 | | | | | X | | | | | | | | | | | | |
| CVR1TR2-3-T02D-PLT | 1.00 | 17:13 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-1-T02N-PLT | 1.00 | 17:17 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-1-T02N-PLT | 1.00 | 17:21 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-1-T03N-PLT | 1.00 | 17:25 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-1-T03N-PLT | 1.00 | 17:29 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-2-T02N-PLT | 1.00 | 17:32 | | | | | X | | | | | | | | | | | | |
| CVR1TR3-2-T02D-PLT | 1.00 | 17:36 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 17:40 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 17:44 | | | | | X | | | | | | | | | | | | |
| EQBLK01 | 1.00 | 17:48 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 17:52 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 17:56 | | | | | X | | | | | | | | | | | | |

Form XIV - IN



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: JSW

Date: 5/17/2010

Reviewed by: JSW

Date: 05/17/10

QC Review by: BAA

Date: 05/18/10

TJA ICAP 7

ICP METALS 6010 β

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis | | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----------------|-----------|----------|----|--------|----------------|------------|------------------|
| | Date | Time | | | | | |
| 1. S0 | 5/17/2010 | 14:42:25 | 1 | WATER | 051710-02A.txt | | + Mo * |
| 2. STD7 | 5/17/2010 | 14:46:17 | 1 | WATER | 051710-02A.txt | | |
| 3. STD8 | 5/17/2010 | 14:50:08 | 1 | WATER | 051710-02A.txt | | |
| 4. STD4 | 5/17/2010 | 14:54:03 | 1 | WATER | 051710-02A.txt | | |
| 5. ICV1 | 5/17/2010 | 14:58:02 | 1 | WATER | 051710-02A.txt | | |
| 6. ICB1 | 5/17/2010 | 15:01:57 | 1 | WATER | 051710-02A.txt | | |
| 7. ICSA1 | 5/17/2010 | 15:05:49 | 1 | WATER | 051710-02A.txt | | |
| 8. ICSAB1 | 5/17/2010 | 15:09:38 | 1 | WATER | 051710-02A.txt | | |
| 9. CRI1 | 5/17/2010 | 15:13:24 | 1 | WATER | 051710-02A.txt | | |
| 10. LRV | 5/17/2010 | 15:17:16 | 1 | WATER | 051710-02A.txt | | |
| 11. CCV1 | 5/17/2010 | 15:21:07 | 1 | WATER | 051710-02A.txt | | |
| 12. CCB1 | 5/17/2010 | 15:24:56 | 1 | WATER | 051710-02A.txt | | |
| 13. PBS051410C | 5/17/2010 | 15:28:50 | 1 | SOLID | 051710-02A.txt | PBICPS0514 | |
| 14. LCSS051410C | 5/17/2010 | 15:32:42 | 1 | SOLID | 051710-02A.txt | PBICPS0514 | |
| 15. 829194 | 5/17/2010 | 15:36:37 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 16. 829194L | 5/17/2010 | 15:40:30 | 5 | WATER | 051710-02A.txt | PBICPS0514 | |
| 17. 829194A | 5/17/2010 | 15:44:23 | 1 | WATER | 051710-02A.txt | PBICPS0514 | |
| 18. 829194MS | 5/17/2010 | 15:48:18 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 19. 829194DP | 5/17/2010 | 15:52:13 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 20. 829195 | 5/17/2010 | 15:56:06 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 21. 829195L | 5/17/2010 | 15:59:56 | 5 | WATER | 051710-02A.txt | PBICPS0514 | |
| 22. 829195A | 5/17/2010 | 16:03:49 | 1 | WATER | 051710-02A.txt | PBICPS0514 | |
| 23. CCV2 | 5/17/2010 | 16:07:42 | 1 | WATER | 051710-02A.txt | | |
| 24. CCB2 | 5/17/2010 | 16:11:30 | 1 | WATER | 051710-02A.txt | | |
| 25. 829195MS | 5/17/2010 | 16:15:22 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 26. 829195DP | 5/17/2010 | 16:19:17 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 27. 829196 | 5/17/2010 | 16:23:07 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 28. 829197 | 5/17/2010 | 16:27:00 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 29. 829198 | 5/17/2010 | 16:30:51 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 30. 829199 | 5/17/2010 | 16:34:45 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 31. 829200 | 5/17/2010 | 16:38:35 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 32. 829201 | 5/17/2010 | 16:42:27 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 33. 829202 | 5/17/2010 | 16:46:17 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 34. 829203 | 5/17/2010 | 16:50:09 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 35. CCV3 | 5/17/2010 | 16:54:00 | 1 | WATER | 051710-02A.txt | | |
| 36. CCB3 | 5/17/2010 | 16:57:49 | 1 | WATER | 051710-02A.txt | | |
| 37. 829204 | 5/17/2010 | 17:01:44 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 38. 829205 | 5/17/2010 | 17:05:37 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 39. 829206 | 5/17/2010 | 17:09:30 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 40. 829207 | 5/17/2010 | 17:13:27 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 41. 829208 | 5/17/2010 | 17:17:18 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 42. 829209 | 5/17/2010 | 17:21:12 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 43. 829210 | 5/17/2010 | 17:25:04 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 44. 829211 | 5/17/2010 | 17:29:01 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |
| 45. 829212 | 5/17/2010 | 17:32:53 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | |

BAA 05/18/10

TestAmerica Burlington

Runlog Review Report

Analyzed by: JSW Date: 5/17/2010
Reviewed by: _____ Date: _____
QC Review by: _____ Date: _____

TJA ICAP 7
ICP METALS 6010

QC use: Cal#: _____ Prep# _____ Inst#: _____

| Seq Sample ID | Analysis | | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|---------------|-----------|----------|----|--------|----------------|------------|------------------|
| | Date | Time | | | | | |
| 46.829213 | 5/17/2010 | 17:36:46 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | _____ |
| 47.CCV4 | 5/17/2010 | 17:40:38 | 1 | WATER | 051710-02A.txt | | _____ |
| 48.CCB4 | 5/17/2010 | 17:44:27 | 1 | WATER | 051710-02A.txt | | _____ |
| 49.829214 | 5/17/2010 | 17:48:23 | 1 | TISSUE | 051710-02A.txt | PBICPS0514 | _____ |
| 50.CCV5 | 5/17/2010 | 17:52:17 | 1 | WATER | 051710-02A.txt | | _____ |
| 51.CCB5 | 5/17/2010 | 17:56:06 | 1 | WATER | 051710-02A.txt | | _____ |

Analytical Review Report

Data File: 051710-02A.txt

Date Printed: 5/18/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7
ICP METALS 6010

Analysis Start Date: 5/17/2010

Analysis End Date: 5/17/2010

Start Time: 14:42:2

End Time: 17:56:0

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|----------|--------|--------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| S0 | 1 | | 0.000 | 0.000 | 0.000 | 990.40 | 0.0000 | | | | |
| STD4 | 1 | | 0.878 | 0.000 | 0.000 | 0.27 | 0.88 | | | | |
| ICV1 | 1 | PASS | 517.400 | 517.000 | 517.900 | 0.12 | 517.40 | 103.5 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 2.296 * | 2.964 | 1.628 | 41.15 | 2.3 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | -0.186 | -0.442 | 0.069 | 194.10 | 0 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 989.500 | 985.900 | 993.200 | 0.52 | 989.5 | 100.4 | 986 | 80 | 120 |
| CRI1 | 1 | PASS | 13.630 | 14.260 | 13.000 | 6.57 | 13.63 | 136.3 | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 196.500 | 195.200 | 197.900 | 0.98 | 196.50 | 98.2 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.593 * | 0.430 | 0.755 | 38.86 | 0.6 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 197.100 | 196.600 | 197.700 | 0.40 | 197.10 | 98.6 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.743 * | 0.605 | 0.882 | 26.38 | 0.7 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 198.800 | 198.000 | 199.500 | 0.53 | 198.80 | 99.4 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.514 * | 0.404 | 0.624 | 30.27 | 0.5 | | | | +/-10.00 |
| CCV4 | 1 | PASS | 196.200 | 195.700 | 196.700 | 0.33 | 196.20 | 98.1 | 200.0 | 90 | 110 |
| CCB4 | 1 | PASS | 0.414 ✓ | 0.652 | 0.175 | 81.51 | 0.4 | | | | +/-10.00 |
| CCV5 | 1 | PASS | 196.100 | 195.200 | 197.000 | 0.65 | 196.10 | 98.0 | 200.0 | 90 | 110 |
| CCB5 | 1 | PASS | 0.390 / | 0.613 | 0.168 | 80.62 | 0.4 | | | | +/-10.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| LRV | 1 | PASS | -0.567 | -1.218 | 0.084 | 162.30 | -0.57 | | | | |
| PBS051410C | 1 | PASS | 0.159 ✓ | 0.162 | 0.156 | 2.55 | 0.016 | | | | +/-10.00 |
| LCSS051410C | 1 | PASS | 490.200 / | 489.000 | 491.400 | 0.36 | 49.0 / | 98.0 ✓ | 50.0 | 40.0 | 60.0 |
| 829194 | 1 | PASS | 303.500 | 303.500 | 303.600 | 0.02 | 101 | | | | |
| 829194L | 5 | PASS | 297.400 | 297.700 | 297.000 | 0.17 | 297.40 | | | | |
| 829194A | 1 | PASS | 781.000 | 781.900 | 780.100 | 0.16 | 781.00 | 95.5 | 500.0 | 80 | 120 |
| 829194MS | 1 | PASS | 784.100 | 783.800 | 784.500 | 0.07 | 264.9703 | 97.2 | 168.96 | 80 | 120 |
| 829194DP | 1 | PASS | 239.800 | 239.900 | 239.600 | 0.09 | 85.8022 | | | | |
| 829195 | 1 | PASS | 222.500 ✓ | 222.600 | 222.300 | 0.10 | 55.8 | | | | |
| 829195L | 5 | PASS | 220.900 | 221.100 | 220.800 | 0.10 | 220.90 | | | | |
| 829195A | 1 | PASS | 704.000 | 702.800 | 705.300 | 0.25 | 704.00 | 96.3 | 500.0 | 80 | 120 |
| 829195MS | 1 | PASS | 691.600 | 691.300 | 691.900 | 0.06 | 197.0819 | 99.2 | 142.48 | 80 | 120 |
| 829195DP | 1 | PASS | 240.100 | 240.400 | 239.900 | 0.14 | 64.2735 | | | | |
| 829196 | 1 | PASS | 250.500 | 250.900 | 250.000 | 0.25 | 77.3 | | | | |
| 829197 | 1 | PASS | 318.600 | 318.800 | 318.500 | 0.05 | 54.3 | | | | |
| 829198 | 1 | PASS | 305.800 | 306.500 | 305.200 | 0.32 | 90.0 | | | | |
| 829199 | 1 | PASS | 210.800 | 211.100 | 210.600 | 0.17 | 46.2 | | | | |
| 829200 | 1 | PASS | 162.800 | 162.700 | 162.900 | 0.06 | 53.4 | | | | |
| 829201 | 1 | PASS | 82.650 | 83.160 | 82.140 | 0.86 | 24.2 | | | | |
| 829202 | 1 | PASS | 114.600 | 114.600 | 114.700 | 0.06 | 33.1 | | | | |
| 829203 | 1 | PASS | 125.100 | 125.400 | 124.800 | 0.38 | 28.1 | | | | |
| 829204 | 1 | PASS | 150.000 | 150.300 | 149.700 | 0.29 | 48.6 | | | | |
| 829205 | 1 | PASS | 129.100 | 128.500 | 129.800 | 0.71 | 47.8 | | | | |
| 829206 | 1 | PASS | 154.800 | 155.000 | 154.600 | 0.17 | 41.9 | | | | |
| 829207 | 1 | PASS | 147.400 | 147.200 | 147.600 | 0.21 | 41.0 | | | | |
| 829208 | 1 | PASS | 143.100 | 142.500 | 143.600 | 0.55 | 48.3 | | | | |
| 829209 | 1 | PASS | 105.000 | 105.500 | 104.500 | 0.70 | 30.0 | | | | |
| 829210 | 1 | PASS | 149.900 | 149.500 | 150.400 | 0.41 | 70.4 | | | | |
| 829211 | 1 | PASS | 211.400 | 211.700 | 211.100 | 0.21 | 116 | | | | |
| 829212 | 1 | PASS | 175.100 | 174.700 | 175.500 | 0.34 | 62.6 | | | | |
| 829213 | 1 | PASS | 144.300 | 143.900 | 144.700 | 0.37 | 50.4 | | | | |
| 829214 | 1 | PASS | -0.125 / | 0.017 | -0.266 | 161.00 | -0.013 | | | | |

* IOL = 0.47
 * LRV = 50,000
 * BAA 051810

Sample Name: CalibStd-Blk Acquired: 5/17/2010 14:42:25 Type: Cal
 Method: 6010B(v50) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.023 | -0.023 | .0006 | .0007 | .0001 |
| Stddev | .0003 | .0023 | .0001 | .0003 | .0010 |
| %RSD | 13.80 | 100.1 | 19.04 | 40.10 | 1028. |
| #1 | -0.025 | -0.007 | .0006 | .0005 | -0.006 |
| #2 | -0.020 | -0.040 | .0005 | .0009 | .0008 |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0007 | .0017 | -0.0039 | -0.0035 | -0.0002 |
| Stddev | .0009 | .0005 | .0002 | .0005 | .0002 |
| %RSD | 116.8 | 29.89 | 4.568 | 13.37 | 125.8 |
| #1 | -0.001 | .0021 | -0.0037 | -0.0038 | -0.0004 |
| #2 | -0.013 | .0014 | -0.0040 | -0.0032 | .0000 |
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0872 | -0.0090 | -0.0323 | -0.0002 | .0051 |
| Stddev | .0059 | .0010 | .0037 | .0003 | .0013 |
| %RSD | 6.797 | 11.69 | 11.42 | 199.9 | 25.79 |
| #1 | .0830 | -0.0097 | -0.0349 | .0001 | .0042 |
| #2 | .0914 | -0.0082 | -0.0297 | -0.0004 | .0061 |

Sample Name: CalibStd-Blk Acquired: 5/17/2010 14:42:25 Type: Cal
 Method: 6010B(v50) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|---------------|----------------|----------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0000 | -0.0369 | .0043 | -0.0004 | -0.0068 |
| Stddev | .000 | .0030 | .0004 | .0000 | .0010 |
| %RSD | 990.4 | 8.157 | 9.243 | 2.388 | 14.66 |
| #1 | -0.0002 | -0.0391 | .0041 | -0.0004 | -0.0061 |
| #2 | .0001 | -0.0348 | .0046 | -0.0004 | -0.0075 |
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0002 | .0021 | .0836 | .0003 | .0211 |
| Stddev | .0007 | .0002 | .0014 | .0001 | .0003 |
| %RSD | 364.5 | 7.648 | 1.667 | 27.85 | 1.317 |
| #1 | .0007 | .0020 | .0846 | .0002 | .0209 |
| #2 | -0.0003 | .0022 | .0826 | .0004 | .0213 |
| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | |
| Avg | -0.0070 | -0.0051 | -0.0066 | .0084 | |
| Stddev | .0023 | .0019 | .0017 | .0000 | |
| %RSD | 33.47 | 36.69 | 26.47 | .3832 | |
| #1 | -0.0086 | -0.0065 | -0.0078 | .0084 | |
| #2 | -0.0053 | -0.0038 | -0.0053 | .0083 | |

Concept: pre

Sample Name: CalibStd-Blk Acquired: 5/17/2010 14:42:25 Type: Cal
 Method: 6010B(v50) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 417.02 | 3894.6 | 3843.5 | 5009.0 |
| Stddev | .56 | 12.1 | 3.0 | 6.8 |
| %RSD | .13477 | .31183 | .07726 | .13510 |
| #1 | 416.62 | 3903.2 | 3845.6 | 5013.7 |
| #2 | 417.42 | 3886.0 | 3841.4 | 5004.2 |

Sample Name: STD7 Acquired: 5/17/2010 14:46:17 Type: Cal
Method: 6010B(v50) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 { 85} | 318.128 {106} | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.554 | .8368 | 8.795 | 1.801 | .9821 |
| Stddev | .004 | .0023 | .017 | .008 | .0026 |
| %RSD | .1379 | .2788 | .1891 | .4527 | .2648 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.557 | .8384 | 8.783 | 1.806 | .9839 |
| #2 | 2.552 | .8351 | 8.807 | 1.795 | .9803 |

| | |
|--------|---------------|
| Elem | Na-LL |
| Line | 589.592 { 57} |
| IS Ref | (Y_HWRD) |
| Units | Cts/S |
| Avg | 5.892 |
| Stddev | .002 |
| %RSD | .0370 |

| | |
|----|-------|
| #1 | 5.890 |
| #2 | 5.893 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_HWRD |
| Line | 224.306 {150} | 371.030 { 91} |
| Units | Cts/S | Cts/S |
| Avg | 3768.5 | 4897.5 |
| Stddev | 14.6 | 12.3 |
| %RSD | .38614 | .25054 |

| | | |
|----|--------|--------|
| #1 | 3778.8 | 4906.2 |
| #2 | 3758.2 | 4888.8 |

Sample Name: STD8 Acquired: 5/17/2010 14:50:08 Type: Cal
 Method: 6010B(v50) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|-----------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 (479) | 220.353 (453) | 206.833 (463) | 196.090 (472) | 189.989 (477)2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0637 | 2.969 | .0769 | .0485 | .1631 |
| Stddev | .0000 | .016 | .0001 | .0004 | .0001 |
| %RSD | .0429 | .5220 | .1034 | .7617 | .0697 |
| #1 | .0636 | 2.980 | .0769 | .0487 | .1630 |
| #2 | .0637 | 2.958 | .0768 | .0482 | .1632 |
| Elem | Ti-LL | | | | |
| Line | 190.856 (477) | | | | |
| IS Ref | (In2306) | | | | |
| Units | Cts/S | | | | |
| Avg | 1.010 | | | | |
| Stddev | .004 | | | | |
| %RSD | .3793 | | | | |
| #1 | 1.012 | | | | |
| #2 | 1.007 | | | | |
| Int. Std. | In2306 | Y_-LWAX | | | |
| Line | 230.606 (446) | 224.306 (450) | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 416.59 | 3885.5 | | | |
| Stddev | 2.09 | 3.0 | | | |
| %RSD | .50116 | .07762 | | | |
| #1 | 415.11 | 3887.7 | | | |
| #2 | 418.06 | 3883.4 | | | |

Sample Name: STD4 Acquired: 5/17/2010 14:54:03 Type: Cal
 Method: 6010B(v50) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | B-LL | Ba-LL | Be-LL | Cd-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 208.959 (461) | 233.527 (144) | 313.042 (108) | 228.802 (447) |
| IS Ref | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.299 | .3704 | .1134 | 2.538 | .9583 |
| Stddev | .006 | .0013 | .0005 | .009 | .0010 |
| %RSD | .2500 | .3637 | .4178 | .3582 | .0998 |
| #1 | 2.303 | .3694 | .1138 | 2.545 | .9576 |
| #2 | 2.295 | .3713 | .1131 | 2.532 | .9590 |

| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
|--------|---------------|---------------|----------------|----------------|---------------|
| Line | 228.616 (447) | 205.552 (464) | 324.754 (104)2 | 257.610 (131)2 | 202.030 (467) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.054 | 1.398 | 6.838 | 24.56 | .8785 |
| Stddev | .001 | .001 | .014 | .01 | .0024 |
| %RSD | .1033 | .0620 | .2037 | .0572 | .2684 |
| #1 | 1.055 | 1.398 | 6.847 | 24.55 | .8769 |
| #2 | 1.053 | 1.399 | 6.828 | 24.57 | .8802 |

| Elem | Ni-LL | P-LL | Si-LL | Sr-LL | Ti-LL |
|--------|---------------|---------------|---------------|---------------|----------------|
| Line | 231.604 (445) | 178.284 (489) | 288.158 (117) | 407.771 (83) | 334.904 (101)2 |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .6050 | .0820 | 4.389 | 70.06 | 5.360 |
| Stddev | .0002 | .0001 | .000 | .41 | .012 |
| %RSD | .0334 | .0786 | .0009 | .5922 | .2321 |
| #1 | .6048 | .0820 | 4.389 | 70.35 | 5.351 |
| #2 | .6051 | .0820 | 4.389 | 69.77 | 5.369 |

Sample Name: STD4 Acquired: 5/17/2010 14:54:03 Type: Cal
 Method: 6010B(v50) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | V-LL | Zn-LL |
|--------|----------------|---------------|
| Line | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S |
| Avg | 3.284 | 3.192 |
| Stddev | .002 | .002 |
| %RSD | .0728 | .0527 |
| #1 | 3.286 | 3.191 |
| #2 | 3.282 | 3.194 |

| Int. Std. | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|
| Line | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 3872.6 | 3847.3 | 4948.4 |
| Stddev | 10.2 | 1.6 | 30.2 |
| %RSD | .26254 | .04117 | .60989 |
| #1 | 3865.4 | 3846.2 | 4927.0 |
| #2 | 3879.8 | 3848.4 | 4969.7 |

Sample Name: ICV Acquired: 5/17/2010 14:58:02 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 493.4 | 26320. | 264.3 | 503.5 | 491.7 |
| Stddev | 1.2 | 99. | 1.1 | .3 | 1.2 |
| %RSD | .2462 | .3752 | .4055 | .0513 | .2379 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | 492.5 | 26250. | 263.6 | 503.3 | 492.6 |
| #2 | 494.2 | 26390. | 265.1 | 503.6 | 490.9 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 512.1 | 25430. | 487.1 | 482.0 | 487.0 |
| Stddev | .4 | 91. | 1.3 | .2 | 1.0 |
| %RSD | .0786 | .3561 | .2753 | .0406 | .2077 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | 511.8 | 25490. | 488.1 | 481.8 | 487.8 |
| #2 | 512.4 | 25360. | 486.2 | 482.1 | 486.3 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: ICV Acquired: 5/17/2010 14:58:02 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 473.0 | 25780. | 25840. | 24930. | 477.7 |
| Stddev | .6 | 88. | 25. | 182. | .1 |
| %RSD | .1370 | .3422 | .0969 | .7299 | .0308 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | 472.6 | 25720. | 25860. | 24800. | 477.8 |
| #2 | 473.5 | 25850. | 25820. | 25060. | 477.6 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 517.4 | 25170. | 473.1 | 521.2 | 1002. |
| Stddev | .6 | 49. | .1 | .9 | 4. |
| %RSD | .1234 | .1957 | .0296 | .1715 | .3980 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | 517.0 | 25130. | 473.0 | 521.9 | 1005. |
| #2 | 517.9 | 25200. | 473.2 | 520.6 | 999.4 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: ICV Acquired: 5/17/2010 14:58:02 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 255.7 | 258.7 | 268.0 | 244.5 | 494.1 |
| Stddev | 1.1 | 2.5 | 4.0 | .6 | 1.6 |
| %RSD | .4332 | .9488 | 1.476 | .2496 | .3291 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | 256.5 | 260.5 | 270.8 | 244.9 | 495.2 |
| #2 | 254.9 | 257.0 | 265.2 | 244.1 | 492.9 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 503.6 | 249.2 | 510.2 | 500.2 |
| Stddev | .7 | .2 | .7 | .8 |
| %RSD | .1342 | .0882 | .1448 | .1605 |

| | | | | |
|------------|----------|----------|----------|----------|
| #1 | 504.1 | 249.3 | 509.7 | 500.8 |
| #2 | 503.1 | 249.0 | 510.7 | 499.7 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: ICV Acquired: 5/17/2010 14:58:02 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 388.23 | 3743.5 | 3748.9 | 4806.7 |
| Stddev | 1.90 | 9.4 | 12.9 | 26.0 |
| %RSD | .48919 | .25244 | .34282 | .54085 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 386.89 | 3736.8 | 3739.8 | 4825.1 |
| #2 | 389.58 | 3750.2 | 3757.9 | 4788.3 |

Sample Name: ICB Acquired: 5/17/2010 15:01:57 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7193 | 4.458 | .6940 | 1.020 | -1.387 |
| Stddev | .0578 | 14.48 | 1.803 | .773 | .772 |
| %RSD | 8.037 | 324.8 | 259.8 | 75.87 | 55.65 |

| | | | | | |
|----|--------|--------|--------|-------|--------|
| #1 | -7602 | 14.70 | 1.969 | 1.566 | -.8415 |
| #2 | -.6784 | -5.780 | -.5808 | .4726 | -1.933 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1280 | -82.24 | .2048 | -.4114 | .2465 |
| Stddev | .1915 | 106.7 | .3095 | .2085 | .2467 |
| %RSD | 149.6 | 129.7 | 151.2 | 50.69 | 100.1 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | .0074 | -6.794 | .4236 | -.2639 | .0720 |
| #2 | -.2634 | -157.7 | -.0141 | -.5588 | .4209 |

Check ?
 High Limit
 Low Limit

Sample Name: ICB Acquired: 5/17/2010 15:01:57 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.725 | 8.506 | -46.92 | 31.21 | -.0729 |
| Stddev | .170 | 1.422 | 107.4 | 12.92 | .0043 |
| %RSD | 9.848 | 16.72 | 228.9 | 41.40 | 5.877 |

| | | | | | |
|----|--------|-------|--------|-------|--------|
| #1 | -1.846 | 7.501 | 29.02 | 22.07 | -.0759 |
| #2 | -1.605 | 9.512 | -122.9 | 40.35 | -.0698 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.296 | -9.616 | .1282 | .0066 | -2.011 |
| Stddev | .945 | 20.81 | .6525 | .7471 | .723 |
| %RSD | 41.15 | 216.4 | 508.9 | 11380. | 35.92 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | 2.964 | -24.33 | .5896 | -.5217 | -1.500 |
| #2 | 1.628 | 5.099 | -.3331 | .5348 | -2.522 |

Check ?
 High Limit
 Low Limit

Sample Name: ICB Acquired: 5/17/2010 15:01:57 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3077 | -.1732 | .9692 | -.8370 | .0534 |
| Stddev | 1.209 | .5668 | .6529 | .5217 | .0078 |
| %RSD | 393.0 | 327.3 | 67.36 | 62.33 | 14.71 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | .5474 | .2276 | .5075 | -1.206 | .0589 |
| #2 | -1.163 | -.5740 | 1.431 | -.4681 | .0478 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.5177 | -1.844 | -.4585 | -1.226 |
| Stddev | .3235 | 1.039 | .2291 | .016 |
| %RSD | 62.49 | 56.33 | 49.96 | 1.271 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | -.2889 | -1.110 | -.2965 | -1.215 |
| #2 | -.7464 | -2.578 | -.6205 | -1.237 |

Check ?
 High Limit
 Low Limit

Sample Name: ICB Acquired: 5/17/2010 15:01:57 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 409.72 | 3796.5 | 3799.0 | 4841.4 |
| Stddev | .66 | 1.8 | 3.0 | .6 |
| %RSD | .16089 | .04830 | .07769 | .01183 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.26 | 3797.7 | 3796.9 | 4841.0 |
| #2 | 410.19 | 3795.2 | 3801.1 | 4841.8 |

LLC 286.8 2657.6 2655.3 3385.0
 ULL 532.6 4935.5 4938.7 6253.8

Sample Name: ICSA Acquired: 5/17/2010 15:05:49 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.354 | 514000. | 5.158 | -0.118 | 1.264 |
| Stddev | .155 | 127. | 3.034 | .9253 | .067 |
| %RSD | 6.567 | .0248 | 58.83 | 7835. | 5.294 |

| | | | | | |
|----|--------|---------|-------|--------|-------|
| #1 | -2.464 | 514100. | 3.012 | .6425 | 1.311 |
| #2 | -2.245 | 513900. | 7.303 | -.6661 | 1.217 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2178 | 493900. | .8596 | 1.542 | 7.885 |
| Stddev | .2660 | 35. | .1514 | .211 | .316 |
| %RSD | 122.2 | .0070 | 17.61 | 13.69 | 4.005 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -.0297 | 493900. | .7526 | 1.393 | 7.662 |
| #2 | -.4059 | 493900. | .9666 | 1.691 | 8.109 |

Check ? High Limit Low Limit

Sample Name: ICSA Acquired: 5/17/2010 15:05:49 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5907 | 194200. | -49.39 | 489300. | .7038 |
| Stddev | .4343 | 418. | 114.0 | 770. | .0552 |
| %RSD | 73.53 | .2151 | 230.8 | .1573 | 7.846 |

| | | | | | |
|----|--------|---------|--------|---------|-------|
| #1 | -.8978 | 194500. | 31.22 | 488800. | .7428 |
| #2 | -.2836 | 193900. | -130.0 | 489900. | .6647 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1861 | -6.110 | -5.941 | .9211 | -2.651 |
| Stddev | .3612 | 28.14 | 1.205 | .9576 | 4.941 |
| %RSD | 194.1 | 460.6 | 20.29 | 104.0 | 186.4 |

| | | | | | |
|----|--------|--------|--------|-------|--------|
| #1 | -.4415 | 13.79 | -6.793 | 1.598 | .8429 |
| #2 | .0693 | -26.01 | -5.088 | .2440 | -6.145 |

Check ? High Limit Low Limit

Sample Name: ICSA Acquired: 5/17/2010 15:05:49 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.338 | -6.875 | 12.91 | .0318 | 16.13 |
| Stddev | 2.205 | .286 | 1.75 | .0891 | .10 |
| %RSD | 23.61 | 4.162 | 13.54 | 280.2 | .5926 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -10.90 | -6.672 | 11.67 | -.0312 | 16.20 |
| #2 | -7.778 | -7.077 | 14.14 | .0949 | 16.06 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.827 | 4.165 | -5.278 | -13.16 |
| Stddev | .995 | 3.468 | .586 | .26 |
| %RSD | 17.07 | 83.28 | 11.10 | 1.987 |

| | | | | |
|----|-------|-------|--------|--------|
| #1 | 5.124 | 6.617 | -5.693 | -13.34 |
| #2 | 6.530 | 1.712 | -4.864 | -12.97 |

Check ? High Limit Low Limit

Sample Name: ICSA Acquired: 5/17/2010 15:05:49 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 338.23 | 3474.0 | 3469.1 | 4667.0 |
| Stddev | .51 | .8 | 9.2 | 2.3 |
| %RSD | .15111 | .02412 | .26414 | .04943 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 338.59 | 3474.6 | 3462.7 | 4665.4 |
| #2 | 337.87 | 3473.4 | 3475.6 | 4668.6 |

Sample Name: ICSAB Acquired: 5/17/2010 15:09:38 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 191.7 | 498800. | 92.65 | 1433. | 461.3 |
| Stddev | .1 | 1678. | .27 | 5. | 6.2 |
| %RSD | .0704 | .3365 | .2888 | .3183 | 1.339 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 191.8 | 497600. | 92.84 | 1430. | 465.7 |
| #2 | 191.6 | 500000. | 92.46 | 1437. | 457.0 |

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 494.1 | 482400. | 956.3 | 449.5 | 476.7 |
| Stddev | 1.3 | 207. | .1 | .2 | .4 |
| %RSD | .2729 | .0430 | .0154 | .0527 | .0789 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 495.1 | 482200. | 956.2 | 449.7 | 477.0 |
| #2 | 493.2 | 482500. | 956.4 | 449.3 | 476.5 |

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSAB Acquired: 5/17/2010 15:09:38 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 481.3 | 191700. | -52.80 | 476000. | 464.9 |
| Stddev | 2.6 | 187. | 69.86 | 416. | 1.0 |
| %RSD | .5412 | .0976 | 132.3 | .0874 | .2060 |

| | | | | | |
|----|-------|---------|--------|---------|-------|
| #1 | 483.1 | 191900. | -3.403 | 476300. | 465.6 |
| #2 | 479.4 | 191600. | -102.2 | 475700. | 464.3 |

Check ? Value Range
 Chk Pass Chk Pass None None Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 989.5 | 13.28 | 880.9 | 498.2 | 43.32 |
| Stddev | 5.2 | 1.42 | 1.1 | 4.1 | 2.33 |
| %RSD | .5238 | 10.68 | .1215 | .8325 | 5.367 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 985.9 | 14.28 | 881.7 | 495.3 | 44.97 |
| #2 | 993.2 | 12.28 | 880.2 | 501.2 | 41.68 |

Check ? Value Range
 Chk Pass None Chk Pass Chk Pass Chk Pass

Sample Name: ICSAB Acquired: 5/17/2010 15:09:38 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 582.1 | 39.77 | 1011. | 1390. | 247.7 |
| Stddev | .0 | 2.74 | 6. | 1. | .9 |
| %RSD | .0030 | 6.893 | .5614 | .0504 | .3620 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 582.1 | 37.83 | 1015. | 1390. | 248.3 |
| #2 | 582.1 | 41.71 | 1007. | 1391. | 247.0 |

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 494.0 | 95.47 | 501.1 | 958.3 |
| Stddev | 1.5 | 1.98 | .1 | .1 |
| %RSD | .2982 | 2.073 | .0290 | .0141 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 495.1 | 94.07 | 501.2 | 958.4 |
| #2 | 493.0 | 96.87 | 501.0 | 958.2 |

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSAB Acquired: 5/17/2010 15:09:38 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 337.61 | 3476.0 | 3466.9 | 4691.5 |
| Stddev | 1.38 | 6.5 | 7.3 | 4.3 |
| %RSD | .40968 | .18575 | .21192 | .09193 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 338.59 | 3480.5 | 3472.1 | 4688.5 |
| #2 | 336.63 | 3471.4 | 3461.7 | 4694.6 |

Sample Name: CRI Acquired: 5/17/2010 15:13:24 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|------------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.802 | F 421.0 | 9.227 | 101.9 | 190.0 |
| Stddev | .929 | 172.2 | 1.983 | .3 | 1.8 |
| %RSD | 11.91 | 40.90 | 21.49 | .2470 | .9323 |
| #1 | 8.459 | 299.2 | 10.63 | 101.7 | 191.2 |
| #2 | 7.145 | 542.7 | 7.825 | 102.1 | 188.7 |
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 300.0 | | | |
| Low Limit | | 100.0 | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.160 | 5264. | 5.224 | 48.24 | 10.05 |
| Stddev | .019 | 261. | .240 | .25 | .30 |
| %RSD | .3745 | 4.956 | 4.601 | .5167 | 3.001 |
| #1 | 5.146 | 5079. | 5.394 | 48.06 | 10.26 |
| #2 | 5.173 | 5448. | 5.054 | 48.42 | 9.838 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CRI Acquired: 5/17/2010 15:13:24 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|------------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.36 | F 315.2 | 5185. | 5316. | 15.02 |
| Stddev | .63 | 38.0 | 48. | 165. | .02 |
| %RSD | 2.681 | 12.07 | .9255 | 3.103 | .1014 |
| #1 | 23.80 | 288.3 | 5219. | 5199. | 15.03 |
| #2 | 22.92 | 342.1 | 5151. | 5433. | 15.01 |
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 300.0 | | | |
| Low Limit | | 100.0 | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.63 | 5148. | 40.11 | 257.5 | 9.556 |
| Stddev | .89 | 10. | 1.00 | .6 | 1.917 |
| %RSD | 6.566 | .1889 | 2.494 | .2239 | 20.06 |
| #1 | 14.26 | 5155. | 40.82 | 257.1 | 10.91 |
| #2 | 13.00 | 5141. | 39.40 | 257.9 | 8.201 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CRI Acquired: 5/17/2010 15:13:24 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|------------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 59.02 | 33.63 | 109.5 | 19.98 | 20.75 |
| Stddev | 1.12 | .69 | 5.4 | .04 | .01 |
| %RSD | 1.894 | 2.051 | 4.926 | .2086 | .0423 |
| #1 | 58.23 | 33.15 | 113.3 | 20.01 | 20.76 |
| #2 | 59.81 | 34.12 | 105.7 | 19.95 | 20.74 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 20.08 | 25.39 | 50.22 | 18.96 | |
| Stddev | .04 | .16 | .93 | .26 | |
| %RSD | .1795 | .6258 | 1.856 | 1.353 | |
| #1 | 20.06 | 25.50 | 50.88 | 19.14 | |
| #2 | 20.11 | 25.28 | 49.56 | 18.78 | |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CRI Acquired: 5/17/2010 15:13:24 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 410.46 | 3812.3 | 3825.8 | 4823.9 |
| Stddev | .07 | 9.2 | 4.5 | 26.8 |
| %RSD | .01602 | .24096 | .11724 | .55541 |
| #1 | 410.41 | 3805.8 | 3829.0 | 4805.0 |
| #2 | 410.50 | 3818.8 | 3822.6 | 4842.8 |

Sample Name: LRV Acquired: 5/17/2010 15:17:16 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.433 | 597300. | 2082. | .0536 | 3725. |
| Stddev | .017 | 1460. | 4. | .0940 | 6. |
| %RSD | .7060 | .2444 | .2080 | 175.4 | .1572 |

#1 -2.421 598300. 2085. -.0129 3729.
 #2 -2.445 596300. 2079. .1201 3721.
 Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1966. | 567900. | 1905. | F 3552. | 3756. |
| Stddev | 3. | 488. | 2. | 3. | 3. |
| %RSD | .1505 | .0860 | .0924 | .0726 | .0888 |

#1 1969. 568200. 1906. 3554. 3753.
 #2 1964. 567500. 1903. 3550. 3758.
 Check ?
 High Limit
 Low Limit

Sample Name: LRV Acquired: 5/17/2010 15:17:16 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4123. | 288700. | 106100. | 562300. | 3666. |
| Stddev | 2. | 980. | 634. | 54. | 23. |
| %RSD | .0471 | .3396 | .5975 | .0097 | .6347 |

#1 4124. 289400. 106500. 562300. 3649.
 #2 4122. 288000. 105600. 562300. 3682.
 Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5673 | 101900. | F 3509. | 1.125 | 3893. |
| Stddev | .9205 | 272. | 12. | 1.748 | 25. |
| %RSD | 162.3 | .2671 | .3281 | 155.4 | .6365 |

#1 -1.218 102100. 3518. 2.361 3876.
 #2 .0836 101700. 3501. -.1112 3911.
 Check ?
 High Limit
 Low Limit

Sample Name: LRV Acquired: 5/17/2010 15:17:16 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3998. | 1921. | 47.39 | -1.032 | 3.744 |
| Stddev | 7. | 1. | 1.10 | .419 | .021 |
| %RSD | .1626 | .0748 | 2.325 | 40.63 | .5731 |

#1 4003. 1920. 48.16 -1.329 3.729
 #2 3994. 1922. 46.61 -.7357 3.759
 Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.168 | 1909. | 4095. | 3897. |
| Stddev | .011 | 9. | 16. | 1. |
| %RSD | .1730 | .4679 | .3844 | .0207 |

#1 6.160 1903. 4106. 3898.
 #2 6.176 1915. 4084. 3897.
 Check ?
 High Limit
 Low Limit

Sample Name: LRV Acquired: 5/17/2010 15:17:16 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 333.51 | 3372.1 | 3375.6 | 4608.9 |
| Stddev | 1.60 | 19.8 | 7.3 | 11.5 |
| %RSD | .47845 | .58591 | .21513 | .24938 |

#1 334.64 3358.1 3370.5 4600.8
 #2 332.38 3386.1 3380.8 4617.1

Sample Name: CCV Acquired: 5/17/2010 15:21:07 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 95.85 | 29810. | 105.2 | 710.4 | 191.7 |
| Stddev | .82 | 176. | 1.5 | 2.0 | 2.6 |
| %RSD | .8605 | .5893 | 1.400 | .2882 | 1.358 |
| #1 | 96.43 | 29690. | 104.1 | 709.0 | 189.8 |
| #2 | 95.27 | 29940. | 106.2 | 711.9 | 193.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.6 | 29650. | 97.84 | 188.7 | 191.6 |
| Stddev | .6 | 245. | .16 | .5 | .1 |
| %RSD | .6081 | .8259 | .1590 | .2722 | .0710 |
| #1 | 100.2 | 29480. | 97.95 | 189.0 | 191.5 |
| #2 | 101.0 | 29820. | 97.73 | 188.3 | 191.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/17/2010 15:21:07 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 186.2 | 30030. | 29890. | 30040. | 189.0 |
| Stddev | .2 | 21. | 110. | 239. | .3 |
| %RSD | .0968 | .0711 | .3679 | .7945 | .1324 |
| #1 | 186.0 | 30010. | 29810. | 29870. | 188.8 |
| #2 | 186.3 | 30040. | 29970. | 30210. | 189.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.5 | 29890. | 188.0 | 204.4 | 396.9 |
| Stddev | 1.9 | 9. | .6 | .2 | 5.7 |
| %RSD | .9758 | .0312 | .3041 | .0906 | 1.434 |
| #1 | 195.2 | 29890. | 187.6 | 204.2 | 401.0 |
| #2 | 197.9 | 29900. | 188.5 | 204.5 | 392.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/17/2010 15:21:07 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 298.6 | 98.79 | 1011. | 191.9 | 294.8 |
| Stddev | .3 | .74 | 3. | .2 | 2.1 |
| %RSD | .1075 | .7481 | .2525 | .0914 | .7082 |
| #1 | 298.4 | 98.27 | 1012. | 192.0 | 296.3 |
| #2 | 298.9 | 99.31 | 1009. | 191.8 | 293.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 390.8 | 102.5 | 202.6 | 193.8 |
| Stddev | 2.0 | .8 | .7 | .4 |
| %RSD | .5205 | .8205 | .3413 | .2016 |
| #1 | 392.3 | 103.1 | 202.1 | 194.0 |
| #2 | 389.4 | 101.9 | 203.1 | 193.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/17/2010 15:21:07 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 386.04 | 3722.0 | 3756.5 | 4801.1 |
| Stddev | 2.11 | 6.6 | 9.1 | 34.8 |
| %RSD | .54539 | .17793 | .24209 | .72455 |
| #1 | 384.55 | 3717.3 | 3750.1 | 4776.5 |
| #2 | 387.53 | 3726.7 | 3763.0 | 4825.7 |

Sample Name: CCB Acquired: 5/17/2010 15:24:56 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.721 | -6.635 | .4387 | 1.086 | 3.068 |
| Stddev | .0682 | 42.64 | 1.444 | .032 | 4.236 |
| %RSD | 10.15 | 642.7 | 329.2 | 2.987 | 138.1 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -6.239 | 23.52 | 1.460 | 1.109 | .0721 |
| #2 | -7.204 | -36.79 | -5826 | 1.063 | 6.063 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.228 | -131.4 | -1.141 | -8.724 | -1.584 |
| Stddev | .2939 | 93.3 | .1841 | .2039 | .4936 |
| %RSD | 239.3 | 70.99 | 161.4 | 23.37 | 311.6 |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | .0850 | -65.46 | .0161 | -1.017 | -5.074 |
| #2 | -3.307 | -197.4 | -2.442 | -7.283 | 1.906 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/17/2010 15:24:56 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.538 | 3.205 | -43.95 | 9.258 | -1.142 |
| Stddev | .143 | .720 | 24.98 | 9.753 | .0920 |
| %RSD | 9.286 | 22.47 | 56.84 | 105.3 | 80.57 |

| | | | | | |
|----|--------|-------|--------|-------|--------|
| #1 | -1.437 | 3.715 | -26.28 | 2.361 | -.0491 |
| #2 | -1.639 | 2.696 | -61.61 | 16.15 | -.1792 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5926 | -1.802 | .6828 | .2078 | -1.654 |
| Stddev | .2303 | 5.041 | 1.009 | .2160 | 1.221 |
| %RSD | 38.86 | 279.8 | 147.8 | 103.9 | 73.84 |

| | | | | | |
|----|-------|--------|--------|-------|--------|
| #1 | .4297 | -5.366 | -.0306 | .0551 | -.7903 |
| #2 | .7554 | 1.763 | 1.396 | .3605 | -2.518 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/17/2010 15:24:56 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.891 | 1.676 | -2.973 | .2350 | -.0263 |
| Stddev | 2.338 | 1.246 | .249 | 1.353 | .0015 |
| %RSD | 123.7 | 74.31 | 8.375 | 575.6 | 5.859 |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | 3.544 | 2.557 | -2.797 | 1.191 | -.0252 |
| #2 | .2373 | .7955 | -3.149 | -.7215 | -.0274 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -5.787 | -9.398 | -3.263 | -1.361 |
| Stddev | .3370 | .4803 | .6945 | .136 |
| %RSD | 58.23 | 51.10 | 212.8 | 10.01 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | -.3404 | -1.279 | -.8174 | -1.264 |
| #2 | -.8170 | -6.002 | -.1648 | -1.457 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCB Acquired: 5/17/2010 15:24:56 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 409.21 | 3770.7 | 3795.4 | 4798.1 |
| Stddev | .01 | .9 | 6.2 | 21.6 |
| %RSD | .00309 | .02259 | .16265 | .45096 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.22 | 3771.3 | 3791.0 | 4813.4 |
| #2 | 409.20 | 3770.1 | 3799.7 | 4782.8 |

Sample Name: PBS051410C Acquired: 5/17/2010 15:28:50 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.000 | -5.245 | 2.569 | 1.367 | -3.208 |
| Stddev | .340 | 15.54 | 2.356 | .133 | 2.577 |
| %RSD | 33.95 | 296.4 | 91.68 | 9.701 | 80.32 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -1.240 | -16.24 | .9036 | 1.273 | -1.386 |
| #2 | -.7602 | 5.746 | 4.235 | 1.461 | -5.030 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1650 | -72.68 | .4909 | -.1503 | .2770 |
| Stddev | .3564 | 11.40 | .0379 | .2254 | .2286 |
| %RSD | 216.1 | 15.68 | 7.717 | 150.0 | 82.52 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -.0871 | -80.74 | .4641 | -.3097 | .4387 |
| #2 | .4170 | -64.62 | .5176 | .0091 | .1154 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: PBS051410C Acquired: 5/17/2010 15:28:50 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6194 | 25.12 | 42.03 | 13.76 | .0433 |
| Stddev | 1.064 | 3.00 | 48.45 | 15.79 | .0105 |
| %RSD | 171.7 | 11.95 | 115.3 | 114.7 | 24.32 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -1.371 | 27.25 | 76.28 | 24.92 | .0507 |
| #2 | .1326 | 23.00 | 7.770 | 2.601 | .0358 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1593 | -7.754 | .0861 | 7.134 | -.7410 |
| Stddev | .0041 | 25.60 | .3927 | 1.035 | 1.455 |
| %RSD | 2.547 | 330.2 | 456.3 | 14.51 | 196.3 |

| | | | | | |
|----|-------|--------|--------|-------|--------|
| #1 | .1622 | 10.35 | .3637 | 7.866 | -1.770 |
| #2 | .1564 | -25.86 | -.1916 | 6.402 | .2877 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: PBS051410C Acquired: 5/17/2010 15:28:50 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.320 | -1.290 | 7.298 | 14.29 | -.0124 |
| Stddev | 1.278 | 1.011 | 1.238 | .21 | .0127 |
| %RSD | 38.49 | 78.44 | 16.97 | 1.488 | 102.5 |

| | | | | | |
|----|-------|--------|-------|-------|--------|
| #1 | 4.223 | -.5743 | 6.422 | 14.14 | -.0214 |
| #2 | 2.416 | -2.005 | 8.174 | 14.44 | -.0034 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.9449 | -.8990 | -.3390 | -.8893 |
| Stddev | .9576 | .9528 | .8745 | .0775 |
| %RSD | 101.3 | 106.0 | 258.0 | 8.717 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | -1.622 | -1.573 | -.9573 | -.9441 |
| #2 | -.2678 | -.2252 | .2794 | -.8344 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: PBS051410C Acquired: 5/17/2010 15:28:50 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 412.99 | 3824.2 | 3846.5 | 4847.9 |
| Stddev | .11 | 7.3 | 3.6 | 20.6 |
| %RSD | .02696 | .18959 | .09319 | .42401 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 412.92 | 3829.3 | 3849.0 | 4862.4 |
| #2 | 413.07 | 3819.0 | 3843.9 | 4833.4 |

Sample Name: LCSS051410C Acquired: 5/17/2010 15:32:42 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 245.6 | 2157. | 240.6 | 464.3 | 1977. |
| Stddev | 1.6 | 14. | 1.1 | 1.5 | 3. |
| %RSD | .6426 | .6680 | .4773 | .3157 | .1443 |
| #1 | 246.7 | 2147. | 241.4 | 465.4 | 1979. |
| #2 | 244.5 | 2167. | 239.8 | 463.3 | 1975. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.77 | 19720. | 239.1 | 437.0 | 205.0 |
| Stddev | .39 | 110. | .2 | .6 | .0 |
| %RSD | .7314 | .5572 | .0827 | .1312 | .0124 |
| #1 | 53.49 | 19650. | 239.2 | 436.6 | 205.0 |
| #2 | 54.05 | 19800. | 239.0 | 437.4 | 205.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS051410C Acquired: 5/17/2010 15:32:42 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 250.0 | 1133. | 20510. | 19260. | 473.9 |
| Stddev | .5 | 10. | 127. | 72. | 1.2 |
| %RSD | .1946 | .9003 | .6192 | .3730 | .2632 |
| #1 | 250.3 | 1141. | 20430. | 19210. | 474.8 |
| #2 | 249.7 | 1126. | 20600. | 19310. | 473.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 490.2 | 19670. | 470.1 | 500.0 | 217.5 |
| Stddev | 1.7 | 48. | .4 | 2.5 | .8 |
| %RSD | .3551 | .2455 | .0778 | .4946 | .3855 |
| #1 | 489.0 | 19640. | 470.4 | 501.7 | 218.0 |
| #2 | 491.4 | 19710. | 469.9 | 498.2 | 216.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS051410C Acquired: 5/17/2010 15:32:42 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 471.6 | 238.9 | 490.0 | 503.8 | 483.1 |
| Stddev | .1 | 2.8 | 5.9 | 1.3 | .7 |
| %RSD | .0215 | 1.184 | 1.206 | .2662 | .1369 |
| #1 | 471.5 | 240.9 | 494.2 | 504.7 | 483.6 |
| #2 | 471.7 | 236.9 | 485.8 | 502.8 | 482.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 485.0 | 247.9 | 499.1 | 472.8 | |
| Stddev | 1.1 | 1.3 | 1.9 | .1 | |
| %RSD | .2228 | .5258 | .3712 | .0265 | |
| #1 | 485.8 | 248.9 | 500.4 | 472.7 | |
| #2 | 484.3 | 247.0 | 497.8 | 472.9 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS051410C Acquired: 5/17/2010 15:32:42 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 386.22 | 3714.3 | 3721.9 | 4717.4 |
| Stddev | 1.26 | 23.0 | 2.3 | 37.4 |
| %RSD | .32517 | .61878 | .06283 | .79353 |
| #1 | 385.33 | 3698.0 | 3720.3 | 4743.9 |
| #2 | 387.11 | 3730.5 | 3723.6 | 4691.0 |

Sample Name: 829194 Acquired: 5/17/2010 15:36:37 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.330 | 163.5 | 2.059 | 11.93 | 22.52 |
| Stddev | .575 | 39.1 | .727 | .49 | 2.57 |
| %RSD | 43.21 | 23.91 | 35.29 | 4.094 | 11.39 |
| #1 | -.9238 | 191.1 | 2.573 | 11.59 | 20.71 |
| #2 | -1.737 | 135.8 | 1.545 | 12.28 | 24.33 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.389 | 11720. | .3833 | -.8184 | 1.820 |
| Stddev | .0449 | 11. | .0520 | .2297 | .393 |
| %RSD | 32.31 | .0957 | 13.56 | 28.06 | 21.59 |
| #1 | -.1072 | 11710. | .3465 | -.6560 | 2.098 |
| #2 | -.1706 | 11730. | .4200 | -.9808 | 1.542 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829194 Acquired: 5/17/2010 15:36:37 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.35 | 300.6 | 83380. | 2701. | 120.5 |
| Stddev | .56 | 7.1 | 62. | 7. | .5 |
| %RSD | 2.619 | 2.365 | .0744 | .2502 | .4395 |
| #1 | 21.75 | 305.6 | 83330. | 2706. | 120.8 |
| #2 | 20.96 | 295.6 | 83420. | 2696. | 120.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 303.5 | 75.20 | 2.168 | 6743. | -.5772 |
| Stddev | .0 | 12.47 | .170 | 9. | .3513 |
| %RSD | .0156 | 16.58 | 7.849 | .1342 | 60.86 |
| #1 | 303.5 | 84.02 | 2.288 | 6737. | -.3288 |
| #2 | 303.6 | 66.38 | 2.047 | 6749. | -.8256 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829194 Acquired: 5/17/2010 15:36:37 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.379 | 2.684 | 3304. | 8.334 | 117.1 |
| Stddev | 1.836 | 2.168 | 6. | 1.241 | .0 |
| %RSD | 54.34 | 80.79 | .1837 | 14.89 | .0140 |
| #1 | 2.081 | 4.217 | 3308. | 9.212 | 117.1 |
| #2 | 4.677 | 1.151 | 3300. | 7.457 | 117.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 6.038 | -2.929 | 3.794 | 128.6 | |
| Stddev | .000 | .447 | .005 | .0 | |
| %RSD | .0074 | 15.25 | .1300 | .0263 | |
| #1 | 6.038 | -3.245 | 3.791 | 128.6 | |
| #2 | 6.038 | -2.613 | 3.798 | 128.6 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829194 Acquired: 5/17/2010 15:36:37 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 390.78 | 3744.2 | 3751.3 | 4770.4 |
| Stddev | .57 | 1.1 | 2.8 | 30.6 |
| %RSD | .14506 | .02832 | .07390 | .64119 |
| #1 | 390.38 | 3743.4 | 3753.2 | 4792.0 |
| #2 | 391.18 | 3744.9 | 3749.3 | 4748.7 |

Sample Name: 829194L Acquired: 5/17/2010 15:40:30 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.356 | -63.11 | 10.95 | 8.549 | 18.89 |
| Stddev | 1.503 | 132.8 | 10.35 | 605 | 5.18 |
| %RSD | 44.78 | 210.4 | 94.57 | 7.079 | 27.41 |
| #1 | -4.418 | -157.0 | 3.627 | 8.977 | 15.23 |
| #2 | -2.293 | 30.80 | 18.27 | 8.121 | 22.55 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2633 | 11400. | .5563 | -3.566 | 1.474 |
| Stddev | .5695 | 426. | .6587 | .435 | 1.846 |
| %RSD | 216.3 | 3.740 | 118.4 | 12.19 | 125.3 |
| #1 | .1394 | 11100. | 1.022 | -3.873 | 1.684 |
| #2 | -6661 | 11700. | .0906 | -3.258 | 2.780 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829194L Acquired: 5/17/2010 15:40:30 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.40 | 308.7 | 85060. | 2757. | 120.8 |
| Stddev | 5.56 | 25.1 | 122. | 71. | .1 |
| %RSD | 44.81 | 8.120 | .1432 | 2.561 | .0718 |
| #1 | 8.474 | 326.4 | 84970. | 2807. | 120.8 |
| #2 | 16.34 | 291.0 | 85140. | 2707. | 120.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 297.4 | -153.2 | 3.475 | 6661. | -3.540 |
| Stddev | .5 | 17.3 | .901 | 2. | 7.999 |
| %RSD | .1669 | 11.30 | 25.92 | .0367 | 226.0 |
| #1 | 297.7 | -165.4 | 4.112 | 6660. | 2.116 |
| #2 | 297.0 | -141.0 | 2.838 | 6663. | -9.196 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829194L Acquired: 5/17/2010 15:40:30 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.305 | -7.801 | 3274. | 10.32 | 115.6 |
| Stddev | 2.912 | 3.635 | 14. | 2.23 | .5 |
| %RSD | 126.3 | 46.60 | .4301 | 21.56 | .4164 |
| #1 | 4.365 | -5.231 | 3284. | 11.90 | 115.2 |
| #2 | 2.462 | -10.37 | 3264. | 8.749 | 115.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 3.752 | -14.14 | 1.145 | 124.3 | |
| Stddev | .561 | 4.48 | 3.557 | .8 | |
| %RSD | 14.96 | 31.70 | 310.6 | .6780 | |
| #1 | 4.149 | -10.97 | 3.660 | 124.9 | |
| #2 | 3.355 | -17.31 | -1.370 | 123.7 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829194L Acquired: 5/17/2010 15:40:30 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 402.93 | 3781.2 | 3803.2 | 4765.3 |
| Stddev | .87 | 29.5 | 3.9 | 8.6 |
| %RSD | .21552 | .78072 | .10361 | .18073 |
| #1 | 403.55 | 3760.4 | 3800.4 | 4759.2 |
| #2 | 402.32 | 3802.1 | 3806.0 | 4771.4 |

Sample Name: 829¹94A Acquired: 5/17/2010 15:44:23 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 33.15 | 2217. | 44.82 | 467.8 | 1935. |
| Stddev | .90 | 27. | 1.43 | 2.6 | 1. |
| %RSD | 2.728 | 1.216 | 3.199 | .5619 | .0659 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 32.51 | 2236. | 45.83 | 469.7 | 1936. |
| #2 | 33.78 | 2198. | 43.80 | 465.9 | 1934. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.97 | 11860. | 49.03 | 443.7 | 197.3 |
| Stddev | .19 | 66. | .41 | 1.7 | .5 |
| %RSD | .3630 | .5577 | .8372 | .3910 | .2585 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | 52.11 | 11810. | 49.32 | 445.0 | 197.7 |
| #2 | 51.84 | 11910. | 48.74 | 442.5 | 197.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829¹94A Acquired: 5/17/2010 15:44:23 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 265.2 | 1375. | 82920. | 2751. | 582.3 |
| Stddev | .7 | 19. | 224. | 63. | .3 |
| %RSD | .2679 | 1.345 | .2697 | 2.278 | .0492 |

| | | | | | |
|---------|-------|-------|--------|-------|-------|
| #1 | 265.7 | 1362. | 83080. | 2706. | 582.1 |
| #2 | 264.7 | 1389. | 82760. | 2795. | 582.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 781.0 | 14.56 | 449.1 | 7146. | 21.85 |
| Stddev | 1.3 | 18.13 | 1.8 | 20. | 1.56 |
| %RSD | .1644 | 124.6 | .3907 | .2860 | 7.148 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 781.9 | 1.735 | 450.4 | 7160. | 22.95 |
| #2 | 780.1 | 27.38 | 447.9 | 7132. | 20.74 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829¹94A Acquired: 5/17/2010 15:44:23 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 463.7 | 52.75 | 4469. | 453.2 | 565.0 |
| Stddev | 1.9 | .47 | 1. | 3.6 | 4.4 |
| %RSD | .4081 | .8963 | .0154 | .7931 | .7749 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 465.1 | 52.42 | 4469. | 455.8 | 568.1 |
| #2 | 462.4 | 53.08 | 4468. | 450.7 | 561.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 464.2 | 51.47 | 491.4 | 577.0 |
| Stddev | .4 | .61 | 1.2 | 1.9 |
| %RSD | .0859 | 1.177 | .2468 | .3246 |

| | | | | |
|---------|-------|-------|-------|-------|
| #1 | 463.9 | 51.90 | 490.5 | 578.3 |
| #2 | 464.5 | 51.05 | 492.3 | 575.7 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829¹94A Acquired: 5/17/2010 15:44:23 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 392.46 | 3765.4 | 3779.6 | 4822.2 |
| Stddev | 1.07 | 14.2 | 14.5 | 2.4 |
| %RSD | .27366 | .37633 | .38366 | .04940 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 391.70 | 3775.4 | 3769.3 | 4820.6 |
| #2 | 393.22 | 3755.4 | 3789.8 | 4823.9 |

Sample Name: 829194MS Acquired: 5/17/2010 15:48:18 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 46.89 | 2314. | 44.65 | 476.4 | 2011. |
| Stddev | .32 | 13. | 2.32 | 1.2 | 3. |
| %RSD | .6828 | .5551 | 5.204 | .2613 | .1433 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 46.66 | 2305. | 46.29 | 475.5 | 2009. |
| #2 | 47.11 | 2323. | 43.01 | 477.2 | 2013. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.98 | 11590. | 50.62 | 446.9 | 209.8 |
| Stddev | .26 | 13. | .04 | .3 | .7 |
| %RSD | .4754 | .1128 | .0789 | .0726 | .3321 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 53.80 | 11600. | 50.59 | 447.1 | 209.3 |
| #2 | 54.16 | 11580. | 50.64 | 446.7 | 210.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829194MS Acquired: 5/17/2010 15:48:18 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 277.0 | 1443. | 82190. | 2805. | 598.9 |
| Stddev | .8 | 12. | 68. | 5. | .6 |
| %RSD | .2711 | .8196 | .0833 | .1830 | .0976 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 276.5 | 1452. | 82240. | 2809. | 598.5 |
| #2 | 277.6 | 1435. | 82140. | 2801. | 599.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 784.1 | 82.05 | 482.7 | 7090. | 21.19 |
| Stddev | .5 | 25.21 | .6 | 26. | 2.56 |
| %RSD | .0665 | 30.72 | .1151 | .3641 | 12.09 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 783.8 | 64.23 | 483.1 | 7108. | 23.00 |
| #2 | 784.5 | 99.88 | 482.3 | 7071. | 19.38 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829194MS Acquired: 5/17/2010 15:48:18 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 466.2 | 53.65 | 4729. | 500.9 | 598.6 |
| Stddev | 1.8 | 5.29 | 8. | 3.4 | 3.5 |
| %RSD | .3772 | 9.853 | .1625 | .6716 | .5773 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 467.4 | 49.91 | 4735. | 498.6 | 596.1 |
| #2 | 465.0 | 57.39 | 4724. | 503.3 | 601.0 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 492.4 | 54.90 | 509.0 | 608.0 |
| Stddev | 1.3 | 1.48 | 1.2 | .4 |
| %RSD | .2558 | 2.688 | .2344 | .0670 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 491.5 | 55.94 | 509.8 | 607.7 |
| #2 | 493.3 | 53.86 | 508.1 | 608.2 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829194MS Acquired: 5/17/2010 15:48:18 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 388.31 | 3745.3 | 3753.8 | 4777.3 |
| Stddev | 1.43 | 8.1 | 5.1 | 4.3 |
| %RSD | .36712 | .21699 | .13521 | .08979 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 387.30 | 3751.1 | 3750.2 | 4774.3 |
| #2 | 389.31 | 3739.6 | 3757.4 | 4780.4 |

Sample Name: 829194DP Acquired: 5/17/2010 15:52:13 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.066 | 144.0 | 3.702 | 9.337 | 19.77 |
| Stddev | .299 | 2.4 | 1.960 | .731 | 2.18 |
| %RSD | 28.08 | 1.670 | 52.94 | 7.832 | 11.04 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -8.544 | 145.7 | 2.316 | 8.820 | 21.32 |
| #2 | -1.278 | 142.3 | 5.087 | 9.854 | 18.23 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0625 | 9044. | .2427 | -.6074 | 1.445 |
| Stddev | .2765 | 22. | .0763 | .1686 | .269 |
| %RSD | 442.6 | .2398 | 31.45 | 27.76 | 18.63 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -.2580 | 9029. | .1888 | -.7267 | 1.635 |
| #2 | -.1330 | 9059. | .2967 | -.4882 | 1.255 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829194DP Acquired: 5/17/2010 15:52:13 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 19.10 | 249.4 | 73910. | 2298. | 100.1 |
| Stddev | .21 | 5.6 | 153. | 68. | .3 |
| %RSD | 1.101 | 2.239 | .2073 | 2.955 | .3086 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 19.25 | 245.4 | 73810. | 2346. | 100.4 |
| #2 | 18.95 | 253.3 | 74020. | 2250. | 99.92 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 239.8 | 74.90 | 1.602 | 5951. | 1.539 |
| Stddev | .2 | 6.19 | .506 | 31. | .086 |
| %RSD | .0909 | 8.269 | 31.61 | .5250 | 5.606 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 239.9 | 79.28 | 1.960 | 5973. | 1.600 |
| #2 | 239.6 | 70.52 | 1.244 | 5929. | 1.478 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829194DP Acquired: 5/17/2010 15:52:13 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.479 | 3.661 | 2720. | 7.461 | 93.54 |
| Stddev | 2.342 | 2.151 | 2. | 1.616 | .35 |
| %RSD | 158.3 | 58.76 | .0760 | 21.66 | .3769 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | 3.135 | 5.182 | 2719. | 6.318 | 93.29 |
| #2 | -.1767 | 2.140 | 2722. | 8.603 | 93.79 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.881 | -3.273 | 3.341 | 111.7 |
| Stddev | .025 | .062 | .187 | .5 |
| %RSD | .5220 | 1.890 | 5.593 | .4210 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 4.862 | -3.229 | 3.209 | 112.1 |
| #2 | 4.899 | -3.317 | 3.473 | 111.4 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829194DP Acquired: 5/17/2010 15:52:13 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 393.30 | 3745.6 | 3770.2 | 4782.8 |
| Stddev | 2.02 | 2.0 | 1.9 | 5.9 |
| %RSD | .51298 | .05338 | .04924 | .12433 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 391.87 | 3744.1 | 3771.5 | 4787.0 |
| #2 | 394.73 | 3747.0 | 3768.9 | 4778.5 |

Sample Name: 829195 Acquired: 5/17/2010 15:56:06 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.102 | 11560. | 9.116 | 10.70 | 221.1 |
| Stddev | .012 | 60. | 1.631 | .06 | 4.1 |
| %RSD | 1.123 | .5150 | 17.89 | .5907 | 1.864 |
| #1 | -1.093 | 11510. | 10.27 | 10.74 | 218.2 |
| #2 | -1.110 | 11600. | 7.963 | 10.65 | 224.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7248 | 40270. | 2.080 | 9.847 | 50.24 |
| Stddev | .1967 | 6. | .063 | .009 | .17 |
| %RSD | 27.14 | .0153 | 3.027 | .0921 | .3441 |
| #1 | .5857 | 40270. | 2.124 | 9.853 | 50.36 |
| #2 | .8639 | 40280. | 2.035 | 9.841 | 50.12 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829195 Acquired: 5/17/2010 15:56:06 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 121.0 | 18100. | 17070. | 7293. | 533.1 |
| Stddev | .1 | 20. | 20. | 6. | 1.3 |
| %RSD | .0666 | .1083 | .1166 | .0815 | .2401 |
| #1 | 120.9 | 18110. | 17060. | 7289. | 534.0 |
| #2 | 121.1 | 18090. | 17080. | 7297. | 532.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 222.5 | 231.8 | 22.87 | 3090. | 37.32 |
| Stddev | .2 | 33.7 | .55 | 14. | .94 |
| %RSD | .1040 | 14.54 | 2.414 | .4458 | 2.507 |
| #1 | 222.6 | 255.7 | 22.48 | 3099. | 37.98 |
| #2 | 222.3 | 208.0 | 23.26 | 3080. | 36.66 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829195 Acquired: 5/17/2010 15:56:06 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.530 | 6.665 | 3359. | 5.602 | 198.5 |
| Stddev | 2.565 | 1.340 | 13. | .098 | 1.1 |
| %RSD | 167.7 | 20.11 | .3877 | 1.754 | .5341 |
| #1 | -.2841 | 5.718 | 3369. | 5.533 | 199.2 |
| #2 | 3.344 | 7.613 | 3350. | 5.671 | 197.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 482.1 | -2.477 | 43.13 | 175.4 | |
| Stddev | 2.9 | .456 | .42 | .6 | |
| %RSD | .6073 | 18.43 | .9813 | .3658 | |
| #1 | 484.2 | -2.154 | 43.43 | 175.9 | |
| #2 | 480.1 | -2.800 | 42.83 | 175.0 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829195 Acquired: 5/17/2010 15:56:06 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 397.91 | 3785.9 | 3814.4 | 4830.1 |
| Stddev | 1.16 | 17.0 | 2.2 | 11.2 |
| %RSD | .29114 | .44973 | .05870 | .23145 |
| #1 | 398.73 | 3798.0 | 3812.8 | 4838.0 |
| #2 | 397.09 | 3773.9 | 3816.0 | 4822.2 |

Sample Name: 829195L Acquired: 5/17/2010 15:59:56 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.252 | 11520. | 10.58 | 11.43 | 225.6 |
| Stddev | 2.399 | 130. | 14.04 | 2.62 | 1.7 |
| %RSD | 56.42 | 1.127 | 132.7 | 22.93 | .7712 |
| #1 | -5.949 | 11610. | 20.50 | 13.28 | 226.8 |
| #2 | -2.556 | 11420. | .6538 | 9.577 | 224.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0258 | 39990. | 2.864 | 7.137 | 50.27 |
| Stddev | 1.358 | 51. | .692 | .577 | .03 |
| %RSD | 5269. | .1281 | 24.15 | 8.078 | .0629 |
| #1 | .9860 | 39950. | 3.353 | 6.730 | 50.25 |
| #2 | -.9344 | 40020. | 2.375 | 7.545 | 50.29 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829195L Acquired: 5/17/2010 15:59:56 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 113.0 | 18470. | 16790. | 7698. | 542.1 |
| Stddev | .3 | 96. | 341. | 10. | 1.7 |
| %RSD | .2854 | .5201 | 2.028 | .1350 | .3072 |
| #1 | 112.8 | 18540. | 17030. | 7690. | 543.3 |
| #2 | 113.3 | 18400. | 16550. | 7705. | 540.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 220.9 | 156.7 | 24.59 | 3110. | 34.61 |
| Stddev | .2 | 107.3 | 1.14 | 10. | 3.87 |
| %RSD | .0996 | 68.48 | 4.627 | .3180 | 11.19 |
| #1 | 221.1 | 80.81 | 23.78 | 3103. | 31.87 |
| #2 | 220.8 | 232.6 | 25.39 | 3117. | 37.34 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829195L Acquired: 5/17/2010 15:59:56 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.237 | -2.329 | 3389. | 7.482 | 197.7 |
| Stddev | 8.068 | 9.118 | 22. | 6.322 | .3 |
| %RSD | 87.34 | 391.5 | .6426 | 84.51 | .1360 |
| #1 | 3.533 | 4.118 | 3405. | 3.011 | 197.5 |
| #2 | 14.94 | -8.776 | 3374. | 11.95 | 197.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 475.6 | -1.058 | 42.09 | 173.6 | |
| Stddev | 2.7 | 1.607 | 4.38 | .8 | |
| %RSD | .5631 | 151.9 | 10.42 | .4759 | |
| #1 | 477.5 | -2.194 | 45.19 | 174.2 | |
| #2 | 473.7 | .0786 | 38.99 | 173.0 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829195L Acquired: 5/17/2010 15:59:56 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 407.80 | 3759.1 | 3824.9 | 4791.5 |
| Stddev | .76 | 17.7 | 5.1 | 9.0 |
| %RSD | .18596 | .47177 | .13295 | .18772 |
| #1 | 408.34 | 3746.6 | 3821.3 | 4785.2 |
| #2 | 407.27 | 3771.7 | 3828.5 | 4797.9 |

Sample Name: 829195A Acquired: 5/17/2010 16:03:49 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 33.32 | 13760. | 48.80 | 469.9 | 2154. |
| Stddev | .06 | 6. | 1.62 | 1.1 | 9. |
| %RSD | .1675 | .0455 | 3.314 | .2290 | .4079 |
| #1 | 33.36 | 13760. | 47.66 | 469.1 | 2148. |
| #2 | 33.29 | 13750. | 49.94 | 470.7 | 2160. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.66 | 40290. | 51.15 | 459.0 | 248.6 |
| Stddev | .17 | 119. | .05 | .3 | .3 |
| %RSD | .3141 | .2951 | .1003 | .0719 | .1139 |
| #1 | 53.78 | 40370. | 51.18 | 458.8 | 248.4 |
| #2 | 53.54 | 40210. | 51.11 | 459.2 | 248.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829195A Acquired: 5/17/2010 16:03:49 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 369.1 | 19230. | 16990. | 7324. | 1002. |
| Stddev | .9 | 38. | 62. | 4. | |
| %RSD | .2312 | .1984 | .3637 | .0487 | .0064 |
| #1 | 369.7 | 19200. | 17040. | 7326. | 1002. |
| #2 | 368.5 | 19260. | 16950. | 7321. | 1002. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 704.0 | 211.6 | 474.4 | 3547. | 60.13 |
| Stddev | 1.8 | 38.6 | .5 | 7. | 2.62 |
| %RSD | .2528 | 18.25 | .1143 | .2063 | 4.361 |
| #1 | 702.8 | 184.3 | 474.1 | 3542. | 61.98 |
| #2 | 705.3 | 238.9 | 474.8 | 3552. | 58.27 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829195A Acquired: 5/17/2010 16:03:49 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 461.5 | 50.98 | 4770. | 451.4 | 658.0 |
| Stddev | 2.3 | 2.57 | 5. | 1.0 | 3.4 |
| %RSD | .4933 | 5.047 | .1024 | .2296 | .5215 |
| #1 | 459.9 | 49.16 | 4767. | 450.7 | 660.5 |
| #2 | 463.1 | 52.80 | 4773. | 452.1 | 655.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 948.8 | 52.79 | 533.8 | 628.0 | |
| Stddev | .7 | .68 | .5 | .1 | |
| %RSD | .0703 | 1.296 | .0963 | .0201 | |
| #1 | 948.3 | 52.31 | 534.1 | 627.9 | |
| #2 | 949.2 | 53.28 | 533.4 | 628.1 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829195A Acquired: 5/17/2010 16:03:49 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 394.87 | 3800.9 | 3805.5 | 4837.4 |
| Stddev | .03 | 15.8 | 5.3 | 11.1 |
| %RSD | .00797 | .41640 | .13818 | .22847 |
| #1 | 394.89 | 3812.1 | 3809.2 | 4829.6 |
| #2 | 394.85 | 3789.7 | 3801.8 | 4845.3 |

Sample Name: CCV Acquired: 5/17/2010 16:07:42 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 95.74 | 29610. | 101.7 | 710.8 | 188.3 |
| Stddev | .69 | 144. | 2.0 | 2.1 | 2.8 |
| %RSD | .7208 | .4851 | 1.958 | .2983 | 1.494 |
| #1 | 96.23 | 29710. | 100.3 | 709.3 | 186.3 |
| #2 | 95.25 | 29510. | 103.1 | 712.3 | 190.3 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.92 | 29320. | 96.77 | 186.9 | 190.3 |
| Stddev | .45 | 280. | .06 | .2 | .4 |
| %RSD | .4589 | .9560 | .0617 | .1071 | .1919 |
| #1 | 99.24 | 29520. | 96.73 | 186.7 | 190.0 |
| #2 | 98.60 | 29130. | 96.81 | 187.0 | 190.5 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/17/2010 16:07:42 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 185.3 | 29810. | 29490. | 29740. | 187.5 |
| Stddev | .4 | 149. | 87. | 214. | .7 |
| %RSD | .2339 | .5002 | .2964 | .7198 | .3566 |
| #1 | 185.6 | 29920. | 29550. | 29900. | 188.0 |
| #2 | 185.0 | 29710. | 29430. | 29590. | 187.1 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 197.1 | 29650. | 187.3 | 203.9 | 389.6 |
| Stddev | .8 | 162. | .8 | 4.7 | 2.0 |
| %RSD | .3989 | .5458 | .4342 | 2.319 | .5250 |
| #1 | 196.6 | 29770. | 186.7 | 207.3 | 388.1 |
| #2 | 197.7 | 29540. | 187.9 | 200.6 | 391.0 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/17/2010 16:07:42 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 294.8 | 96.04 | 1015. | 192.9 | 296.0 |
| Stddev | .7 | 1.81 | 2. | .9 | .6 |
| %RSD | .2315 | 1.887 | .2070 | .4706 | .2097 |
| #1 | 295.3 | 94.76 | 1014. | 193.5 | 296.4 |
| #2 | 294.4 | 97.32 | 1017. | 192.2 | 295.6 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 390.8 | 99.78 | 200.7 | 192.1 |
| Stddev | 1.5 | .27 | .3 | .4 |
| %RSD | .3944 | .2677 | .1351 | .2132 |
| #1 | 391.9 | 99.97 | 200.8 | 192.4 |
| #2 | 389.7 | 99.59 | 200.5 | 191.8 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/17/2010 16:07:42 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 386.71 | 3712.7 | 3735.8 | 4771.2 |
| Stddev | .51 | 40.6 | 8.3 | 47.0 |
| %RSD | .13208 | 1.0945 | .22279 | .98545 |
| #1 | 387.08 | 3683.9 | 3729.9 | 4737.9 |
| #2 | 386.35 | 3741.4 | 3741.7 | 4804.4 |

Sample Name: CCB Acquired: 5/17/2010 16:11:30 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.856 | -20.48 | .7980 | .0621 | -3.403 |
| Stddev | 1.344 | 35.69 | 1.195 | .6904 | 4.275 |
| %RSD | 72.44 | 174.3 | 149.8 | 1112. | 125.6 |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | -2.806 | -45.71 | 1.643 | -.4261 | -.3799 |
| #2 | -.9051 | 4.759 | -.0470 | .5503 | -6.426 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0880 | -106.8 | .1898 | -.9439 | -.1461 |
| Stddev | .0596 | 14.2 | .3285 | .0969 | .2276 |
| %RSD | 67.71 | 13.27 | 173.1 | 10.27 | 155.8 |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | -.1301 | -116.9 | .4221 | -1.012 | -.3070 |
| #2 | -.0459 | -96.80 | -.0425 | -.8754 | .0148 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/17/2010 16:11:30 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.256 | 4.794 | 65.84 | 22.99 | -.1458 |
| Stddev | 1.391 | 2.671 | 39.10 | 19.00 | .0447 |
| %RSD | 110.8 | 55.71 | 59.40 | 82.62 | 30.68 |

| | | | | | |
|----|--------|-------|-------|-------|--------|
| #1 | -.2719 | 6.682 | 93.49 | 9.560 | -.1774 |
| #2 | -2.239 | 2.906 | 38.19 | 36.43 | -.1141 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7435 | -23.30 | .6972 | 1.907 | -.6724 |
| Stddev | .1961 | 14.80 | 1.193 | .098 | .3050 |
| %RSD | 26.38 | 63.53 | 171.1 | 5.114 | 45.36 |

| | | | | | |
|----|-------|--------|--------|-------|--------|
| #1 | .6049 | -12.83 | 1.541 | 1.838 | -.4567 |
| #2 | .8822 | -33.77 | -1.463 | 1.976 | -.8880 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/17/2010 16:11:30 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.252 | -1.310 | 3.689 | .1429 | -.0263 |
| Stddev | .205 | .826 | .569 | .3326 | .0533 |
| %RSD | 9.109 | 63.06 | 15.43 | 232.8 | 202.4 |

| | | | | | |
|----|-------|--------|-------|--------|--------|
| #1 | 2.397 | -1.894 | 4.091 | .3781 | .0114 |
| #2 | 2.107 | -.7259 | 3.286 | -.0923 | -.0640 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.8056 | -1.313 | -.6356 | -1.335 |
| Stddev | .1283 | .267 | .0371 | .127 |
| %RSD | 15.93 | 20.35 | 5.831 | 9.541 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | -.8964 | -1.124 | -.6094 | -1.245 |
| #2 | -.7149 | -1.502 | -.6618 | -1.425 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/17/2010 16:11:30 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 410.12 | 3752.2 | 3784.4 | 4786.3 |
| Stddev | .68 | 3.9 | 1.0 | 33.2 |
| %RSD | .16580 | .10439 | .02669 | .69303 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.64 | 3754.9 | 3783.7 | 4762.8 |
| #2 | 410.60 | 3749.4 | 3785.1 | 4809.7 |

Sample Name: 829195MS Acquired: 5/17/2010 16:15:22 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 45.67 | 14290. | 46.58 | 445.9 | 2037. |
| Stddev | .56 | 229. | .66 | .4 | 11. |
| %RSD | 1.219 | 1.603 | 1.427 | .0871 | .5372 |
| #1 | 45.28 | 14450. | 47.05 | 446.1 | 2045. |
| #2 | 46.07 | 14130. | 46.11 | 445.6 | 2030. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.98 | 33380. | 49.85 | 434.5 | 238.1 |
| Stddev | .54 | 535. | .07 | .0 | .4 |
| %RSD | 1.044 | 1.602 | .1397 | .0013 | .1568 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 52.36 | 33750. | 49.90 | 434.5 | 237.8 |
| #2 | 51.60 | 33000. | 49.80 | 434.5 | 238.4 |

Check ? Value Range
 None None None None None

Sample Name: 829195MS Acquired: 5/17/2010 16:15:22 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 349.0 | 17440. | 14920. | 6270. | 986.2 |
| Stddev | 1.2 | 36. | 265. | 54. | 3.3 |
| %RSD | .3348 | .2083 | 1.773 | .8541 | .3326 |
| #1 | 349.9 | 17460. | 15100. | 6307. | 988.6 |
| #2 | 348.2 | 17410. | 14730. | 6232. | 983.9 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 691.6 | 251.7 | 478.4 | 3304. | 46.04 |
| Stddev | .4 | 8.1 | .3 | . | 2.35 |
| %RSD | .0612 | 3.213 | .0598 | .0004 | 5.100 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 691.3 | 257.5 | 478.2 | 3304. | 47.70 |
| #2 | 691.9 | 246.0 | 478.6 | 3304. | 44.38 |

Check ? Value Range
 None None None None None

Sample Name: 829195MS Acquired: 5/17/2010 16:15:22 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 399.1 | 47.48 | 3345. | 473.8 | 629.4 |
| Stddev | 1.1 | 1.81 | 9. | 1.0 | 2.2 |
| %RSD | .2777 | 3.821 | .2577 | .2015 | .3508 |
| #1 | 398.4 | 48.76 | 3351. | 474.5 | 627.8 |
| #2 | 399.9 | 46.20 | 3339. | 473.1 | 630.9 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 897.3 | 51.65 | 518.4 | 618.7 |
| Stddev | 4.7 | 1.24 | .4 | .2 |
| %RSD | .5261 | 2.402 | .0721 | .0314 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 900.6 | 50.78 | 518.6 | 618.5 |
| #2 | 894.0 | 52.53 | 518.1 | 618.8 |

Check ? Value Range
 None None None None

Sample Name: 829195MS Acquired: 5/17/2010 16:15:22 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 401.05 | 3831.2 | 3852.3 | 4939.8 |
| Stddev | 2.62 | .6 | 15.4 | 16.5 |
| %RSD | .65363 | .01578 | .39927 | .33310 |
| #1 | 402.91 | 3830.7 | 3863.2 | 4928.2 |
| #2 | 399.20 | 3831.6 | 3841.5 | 4951.4 |

| | | | | |
|----|--------|--------|--------|--------|
| #2 | 399.20 | 3831.6 | 3841.5 | 4951.4 |
|----|--------|--------|--------|--------|

Sample Name: 829195DP Acquired: 5/17/2010 16:19:17 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.200 | 9601. | 7.288 | 10.29 | 170.0 |
| Stddev | .406 | 29. | .305 | .50 | 8.3 |
| %RSD | 33.87 | .3068 | 4.186 | 4.814 | 4.911 |
| #1 | -.9123 | 9622. | 7.504 | 9.936 | 175.9 |
| #2 | -1.487 | 9580. | 7.072 | 10.64 | 164.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7586 | 33080. | 1.863 | 8.347 | 56.49 |
| Stddev | .3263 | 55. | .092 | .058 | .10 |
| %RSD | 43.01 | .1668 | 4.957 | .6944 | .1741 |
| #1 | .9893 | 33120. | 1.798 | 8.306 | 56.42 |
| #2 | .5279 | 33050. | 1.928 | 8.388 | 56.56 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829195DP Acquired: 5/17/2010 16:19:17 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 108.3 | 14940. | 15610. | 6055. | 414.8 |
| Stddev | .1 | 20. | 25. | 45. | .7 |
| %RSD | .0971 | .1351 | .1615 | .7387 | .1704 |
| #1 | 108.3 | 14950. | 15630. | 6087. | 415.3 |
| #2 | 108.2 | 14930. | 15590. | 6024. | 414.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 240.1 | 188.9 | 18.74 | 3060. | 20.80 |
| Stddev | .3 | 2.9 | .45 | 2. | 1.77 |
| %RSD | .1429 | 1.554 | 2.392 | .0585 | 8.494 |
| #1 | 240.4 | 191.0 | 18.42 | 3062. | 19.55 |
| #2 | 239.9 | 186.9 | 19.05 | 3059. | 22.05 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829195DP Acquired: 5/17/2010 16:19:17 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.846 | 5.822 | 2907. | 6.992 | 172.6 |
| Stddev | 2.145 | .341 | 7. | .045 | 1.3 |
| %RSD | 75.36 | 5.852 | .2418 | .6388 | .7655 |
| #1 | 1.330 | 6.063 | 2912. | 6.961 | 173.5 |
| #2 | 4.363 | 5.581 | 2902. | 7.024 | 171.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 392.6 | -1.982 | 35.94 | 152.0 | |
| Stddev | .7 | 3.281 | .78 | .1 | |
| %RSD | .1685 | 165.5 | 2.182 | .0407 | |
| #1 | 393.1 | .3376 | 36.50 | 152.0 | |
| #2 | 392.2 | -4.302 | 35.39 | 152.1 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829195DP Acquired: 5/17/2010 16:19:17 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 399.74 | 3804.3 | 3832.1 | 4889.0 |
| Stddev | .59 | 1.7 | 6.2 | 20.2 |
| %RSD | .14847 | .04520 | .16280 | .41263 |
| #1 | 399.32 | 3803.1 | 3836.5 | 4874.8 |
| #2 | 400.16 | 3805.5 | 3827.7 | 4903.3 |

Sample Name: 829196 Acquired: 5/17/2010 16:23:07 Type: Unk
Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.017 | 310.1 | 2.684 | 13.85 | 25.19 |
| Stddev | .344 | 28.2 | 1.550 | .36 | 1.16 |
| %RSD | 33.81 | 9.090 | 57.73 | 2.636 | 4.608 |

| | | | | | |
|----|---------|-------|-------|-------|-------|
| #1 | - .7739 | 290.2 | 1.589 | 13.59 | 24.37 |
| #2 | -1.260 | 330.1 | 3.780 | 14.11 | 26.01 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2375 | 15790. | .4442 | -.2580 | 2.245 |
| Stddev | .0318 | 183. | .0034 | .0821 | .065 |
| %RSD | 13.41 | 1.158 | .7583 | 31.84 | 2.889 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .2600 | 15920. | .4466 | -.3160 | 2.291 |
| #2 | .2150 | 15660. | .4418 | -.1999 | 2.200 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829196 Acquired: 5/17/2010 16:23:07 Type: Unk
Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 19.95 | 562.3 | 76710. | 3557. | 194.6 |
| Stddev | .09 | .4 | 235. | 82. | .4 |
| %RSD | .4730 | .0644 | .3064 | 2.318 | .2217 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 19.88 | 562.0 | 76870. | 3615. | 194.9 |
| #2 | 20.02 | 562.6 | 76540. | 3499. | 194.3 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 250.5 | 67.01 | 1.053 | 8396. | 1.665 |
| Stddev | .6 | 9.98 | .120 | 1. | 1.658 |
| %RSD | .2525 | 14.89 | 11.35 | .0069 | 99.63 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 250.9 | 74.06 | 1.138 | 8395. | .4918 |
| #2 | 250.0 | 59.95 | .9687 | 8396. | 2.837 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829196 Acquired: 5/17/2010 16:23:07 Type: Unk
Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2064 | 2.170 | 3646. | 6.373 | 153.1 |
| Stddev | .4720 | 1.865 | .3 | .608 | .3 |
| %RSD | 228.7 | 85.96 | .0766 | 9.548 | .1942 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.5401 | 3.489 | 3648. | 6.803 | 153.3 |
| #2 | .1274 | .8511 | 3644. | 5.942 | 152.9 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 14.04 | -1.709 | 3.254 | 120.6 |
| Stddev | .38 | .801 | .206 | .0 |
| %RSD | 2.734 | 46.87 | 6.329 | .0083 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 13.77 | -1.143 | 3.399 | 120.6 |
| #2 | 14.31 | -2.275 | 3.108 | 120.7 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829196 Acquired: 5/17/2010 16:23:07 Type: Unk
Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 393.76 | 3725.3 | 3780.8 | 4813.0 |
| Stddev | 2.95 | 8.2 | 8.9 | 10.4 |
| %RSD | .74956 | .21986 | .23417 | .21618 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 391.67 | 3719.5 | 3774.6 | 4805.7 |
| #2 | 395.84 | 3731.1 | 3787.1 | 4820.4 |

Sample Name: 829197 Acquired: 5/17/2010 16:27:00 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7137 | 2992. | 7.132 | 6.621 | 86.30 |
| Stddev | .1068 | 14. | 1.419 | .701 | 6.35 |
| %RSD | 14.96 | .4704 | 19.89 | 10.59 | 7.364 |
| #1 | -6383 | 3002. | 6.129 | 6.125 | 81.81 |
| #2 | -7892 | 2982. | 8.136 | 7.116 | 90.80 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1755 | 22620. | 2.494 | 5.870 | 7.032 |
| Stddev | .1768 | 84. | .063 | .423 | .081 |
| %RSD | 100.7 | .3734 | 2.540 | 7.213 | 1.150 |

#1 .3005 22680. 2.450 5.570 6.975
 #2 .0505 22560. 2.539 6.169 7.089

Check ? Value Range
 None None None None None

Sample Name: 829197 Acquired: 5/17/2010 16:27:00 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 136.8 | 4270. | 22150. | 2904. | 195.1 |
| Stddev | .5 | 18. | 142. | 44. | .6 |
| %RSD | .3750 | .4166 | .6418 | 1.501 | .3096 |
| #1 | 137.2 | 4283. | 22250. | 2934. | 195.5 |
| #2 | 136.4 | 4258. | 22050. | 2873. | 194.7 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 318.6 | 143.0 | 9.016 | 5291. | 10.36 |
| Stddev | .2 | 25.7 | .702 | 1. | .44 |
| %RSD | .0472 | 17.95 | 7.781 | .0158 | 4.255 |

#1 318.8 161.1 9.512 5292. 10.05
 #2 318.5 124.8 8.520 5290. 10.67

Check ? Value Range
 None None None None None

Sample Name: 829197 Acquired: 5/17/2010 16:27:00 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.164 | 5.104 | 2527. | 6.130 | 145.3 |
| Stddev | 1.311 | 1.816 | . | .545 | 1.3 |
| %RSD | 60.60 | 35.59 | .0154 | 8.891 | .9196 |

#1 3.091 6.389 2528. 5.745 146.2
 #2 1.237 3.820 2527. 6.515 144.3

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 105.5 | -4.470 | 21.92 | 256.4 |
| Stddev | .5 | .784 | .67 | .1 |
| %RSD | .4418 | 17.54 | 3.055 | .0379 |

#1 105.9 -5.025 22.40 256.4
 #2 105.2 -3.916 21.45 256.5

Check ? Value Range
 None None None None

Sample Name: 829197 Acquired: 5/17/2010 16:27:00 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 401.66 | 3781.2 | 3812.2 | 4859.2 |
| Stddev | 1.63 | 7.1 | 11.5 | 27.8 |
| %RSD | .40684 | .18760 | .30228 | .57262 |

#1 400.50 3786.2 3804.1 4839.5
 #2 402.81 3776.2 3820.4 4878.8

Sample Name: 829198 Acquired: 5/17/2010 16:30:51 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.880 | 302.1 | 6.174 | 12.27 | 42.56 |
| Stddev | 1.132 | 38.2 | .321 | .51 | 4.54 |
| %RSD | 60.22 | 12.64 | 5.201 | 4.146 | 10.66 |

| | | | | | |
|---------|--------|-------|-------|-------|-------|
| #1 | -1.080 | 275.1 | 5.947 | 12.63 | 45.77 |
| #2 | -2.681 | 329.1 | 6.401 | 11.91 | 39.35 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1891 | 13560. | .7053 | -.1956 | 2.521 |
| Stddev | .3522 | 259. | .1682 | .0682 | .262 |
| %RSD | 186.3 | 1.907 | 23.85 | 34.88 | 10.38 |

| | | | | | |
|---------|--------|--------|-------|--------|-------|
| #1 | -.0600 | 13740. | .5863 | -.2439 | 2.705 |
| #2 | -.4382 | 13380. | .8242 | -.1474 | 2.336 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829198 Acquired: 5/17/2010 16:30:51 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 26.19 | 529.8 | 76040. | 3585. | 195.4 |
| Stddev | .24 | 10.1 | 990. | 55. | .1 |
| %RSD | .9002 | 1.903 | 1.302 | 1.541 | .0348 |

| | | | | | |
|---------|-------|-------|--------|-------|-------|
| #1 | 26.35 | 536.9 | 76740. | 3624. | 195.3 |
| #2 | 26.02 | 522.7 | 75340. | 3546. | 195.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_-LWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 305.8 | 17.06 | 1.237 | 8427. | -.0288 |
| Stddev | 1.0 | 1.57 | .630 | . | 1.189 |
| %RSD | .3157 | 9.188 | 50.93 | .0056 | 4123. |

| | | | | | |
|---------|-------|-------|-------|-------|--------|
| #1 | 306.5 | 18.16 | 1.683 | 8427. | .8116 |
| #2 | 305.2 | 15.95 | .7918 | 8427. | -.8692 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829198 Acquired: 5/17/2010 16:30:51 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_-LWAX) | (Y_-LWAX) | (Y_HWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2309 | 1.823 | 4585. | 7.838 | 128.5 |
| Stddev | 1.360 | .910 | . | .658 | .3 |
| %RSD | 589.1 | 49.93 | .0008 | 8.389 | .1953 |

| | | | | | |
|---------|--------|-------|-------|-------|-------|
| #1 | -.7309 | 1.179 | 4585. | 7.373 | 128.3 |
| #2 | 1.193 | 2.467 | 4585. | 8.303 | 128.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 13.16 | -2.223 | 3.679 | 146.9 |
| Stddev | .38 | .457 | .615 | .3 |
| %RSD | 2.901 | 20.54 | 16.72 | .1808 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 12.89 | -2.546 | 3.244 | 147.0 |
| #2 | 13.43 | -1.901 | 4.114 | 146.7 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829198 Acquired: 5/17/2010 16:30:51 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_-LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 390.06 | 3747.6 | 3745.7 | 4821.0 |
| Stddev | .13 | 6.4 | 1.8 | 4.3 |
| %RSD | .03279 | .17210 | .04927 | .08835 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 389.97 | 3743.1 | 3747.0 | 4818.0 |
| #2 | 390.15 | 3752.2 | 3744.4 | 4824.0 |

Sample Name: 829199 Acquired: 5/17/2010 16:34:45 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.8851 | 7308. | 6.538 | 20.69 | 159.4 |
| Stddev | .4674 | 18. | .379 | .03 | 1.3 |
| %RSD | 52.81 | .2400 | 5.789 | .1358 | .8425 |

| | | | | | |
|---------|--------|-------|-------|-------|-------|
| #1 | -.5546 | 7295. | 6.806 | 20.71 | 160.4 |
| #2 | -1.216 | 7320. | 6.271 | 20.67 | 158.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6167 | 28540. | 2.708 | 8.147 | 34.53 |
| Stddev | .0560 | 148. | .051 | .142 | .32 |
| %RSD | 9.074 | .5173 | 1.867 | 1.744 | .9324 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | .5771 | 28430. | 2.672 | 8.248 | 34.30 |
| #2 | .6563 | 28640. | 2.744 | 8.047 | 34.76 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829199 Acquired: 5/17/2010 16:34:45 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 146.9 | 11900. | 22760. | 5093. | 320.8 |
| Stddev | .2 | 32. | 128. | 55. | .6 |
| %RSD | .1114 | .2650 | .5631 | 1.076 | .1954 |

| | | | | | |
|---------|-------|--------|--------|-------|-------|
| #1 | 146.8 | 11920. | 22670. | 5054. | 321.2 |
| #2 | 147.0 | 11880. | 22850. | 5132. | 320.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 210.8 | 334.2 | 15.15 | 3233. | 18.82 |
| Stddev | .4 | 38.4 | .06 | . | 1.53 |
| %RSD | .1706 | 11.49 | .4163 | .0032 | 8.106 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 211.1 | 307.0 | 15.19 | 3233. | 17.74 |
| #2 | 210.6 | 361.3 | 15.10 | 3233. | 19.90 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829199 Acquired: 5/17/2010 16:34:45 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.439 | 1.606 | 2661. | 6.945 | 202.2 |
| Stddev | .394 | .098 | 13. | .954 | 1.3 |
| %RSD | 27.41 | 6.107 | .4784 | 13.74 | .6566 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 1.718 | 1.537 | 2670. | 6.270 | 201.3 |
| #2 | 1.160 | 1.675 | 2652. | 7.620 | 203.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 254.7 | -3.065 | 28.79 | 272.1 |
| Stddev | .7 | 1.578 | .28 | .2 |
| %RSD | .2683 | 51.48 | .9642 | .0695 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 255.2 | -1.949 | 28.99 | 272.3 |
| #2 | 254.2 | -4.181 | 28.60 | 272.0 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829199 Acquired: 5/17/2010 16:34:45 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 398.39 | 3799.3 | 3813.1 | 4864.3 |
| Stddev | .71 | 14.7 | 16.9 | 25.3 |
| %RSD | .17871 | .38666 | .44312 | .52027 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 397.89 | 3788.9 | 3801.1 | 4882.2 |
| #2 | 398.90 | 3809.7 | 3825.0 | 4846.4 |

Sample Name: 829200 Acquired: 5/17/2010 16:38:35 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.337 | 219.5 | 3.485 | 20.31 | 42.90 |
| Stddev | .102 | 28.3 | 1.430 | 1.39 | .51 |
| %RSD | 7.612 | 12.92 | 41.02 | 6.866 | 1.196 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -1.409 | 199.4 | 2.474 | 19.32 | 42.54 |
| #2 | -1.265 | 239.5 | 4.496 | 21.29 | 43.26 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0532 | 14430. | 1.211 | -.2573 | 2.718 |
| Stddev | .0855 | 173. | .178 | .3176 | .057 |
| %RSD | 160.8 | 1.196 | 14.72 | 123.4 | 2.095 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | .0073 | 14550. | 1.338 | -.0327 | 2.678 |
| #2 | -.1137 | 14310. | 1.085 | -.4819 | 2.758 |

Check ? Value Range
 None None None None None

Sample Name: 829200 Acquired: 5/17/2010 16:38:35 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 22.42 | 560.8 | 88040. | 3820. | 304.0 |
| Stddev | .78 | 8.7 | 386. | 52. | .7 |
| %RSD | 3.487 | 1.560 | .4383 | 1.349 | .2447 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 21.87 | 567.0 | 88310. | 3856. | 304.6 |
| #2 | 22.98 | 554.6 | 87760. | 3784. | 303.5 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 162.8 | 52.15 | 1.971 | 7183. | .9186 |
| Stddev | .1 | 10.94 | .006 | 1. | .2598 |
| %RSD | .0572 | 20.98 | .2893 | .0075 | 28.28 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 162.7 | 44.41 | 1.967 | 7183. | .7349 |
| #2 | 162.9 | 59.89 | 1.975 | 7182. | 1.102 |

Check ? Value Range
 None None None None None

Sample Name: 829200 Acquired: 5/17/2010 16:38:35 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.186 | .9595 | 5390. | 8.131 | 187.9 |
| Stddev | 1.040 | 1.544 | 3. | .729 | .2 |
| %RSD | 87.65 | 160.9 | .0572 | 8.971 | .1176 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .4511 | 2.051 | 5393. | 7.615 | 187.8 |
| #2 | 1.922 | -.1320 | 5388. | 8.647 | 188.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 12.93 | -4.348 | 1.969 | 163.5 |
| Stddev | .07 | 1.356 | .114 | .3 |
| %RSD | .5277 | 31.20 | 5.803 | .1782 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 12.98 | -3.389 | 2.050 | 163.7 |
| #2 | 12.88 | -5.307 | 1.888 | 163.2 |

Check ? Value Range
 None None None None

Sample Name: 829200 Acquired: 5/17/2010 16:38:35 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 390.47 | 3724.9 | 3760.0 | 4827.5 |
| Stddev | 1.20 | 3.4 | 3.1 | 5.3 |
| %RSD | .30850 | .09134 | .08304 | .11063 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 391.32 | 3722.5 | 3762.2 | 4831.2 |
| #2 | 389.62 | 3727.4 | 3757.8 | 4823.7 |

Sample Name: 829201 Acquired: 5/17/2010 16:42:27 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5361 | 6453. | 6.335 | 7.297 | 67.81 |
| Stddev | .5999 | 16. | 2.209 | 240 | 2.73 |
| %RSD | 111.9 | .2456 | 34.87 | 3.290 | 4.022 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -9603 | 6464. | 7.897 | 7.466 | 65.88 |
| #2 | -1119 | 6441. | 4.773 | 7.127 | 69.74 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4486 | 15200. | 2.843 | 5.050 | 16.98 |
| Stddev | .3352 | 194. | .055 | .165 | .14 |
| %RSD | 74.72 | 1.276 | 1.948 | 3.270 | .8319 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .6856 | 15340. | 2.882 | 4.933 | 16.88 |
| #2 | .2116 | 15060. | 2.804 | 5.167 | 17.08 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829201 Acquired: 5/17/2010 16:42:27 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 50.97 | 9382. | 14440. | 4034. | 272.1 |
| Stddev | .59 | 43. | 145. | 11. | .9 |
| %RSD | 1.166 | .4623 | 1.001 | .2614 | .3189 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 51.40 | 9413. | 14540. | 4041. | 272.7 |
| #2 | 50.55 | 9351. | 14340. | 4026. | 271.5 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 82.65 | 114.5 | 11.89 | 3921. | 15.16 |
| Stddev | .71 | 25.2 | .32 | 8. | .27 |
| %RSD | .8642 | 22.03 | 2.726 | .2035 | 1.751 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 83.16 | 132.3 | 12.12 | 3926. | 15.34 |
| #2 | 82.14 | 96.63 | 11.66 | 3915. | 14.97 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829201 Acquired: 5/17/2010 16:42:27 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.457 | -.2248 | 2715. | 4.968 | 157.3 |
| Stddev | 2.493 | 1.172 | 11. | .128 | .7 |
| %RSD | 171.1 | 521.2 | .4164 | 2.573 | .4204 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.3054 | -1.053 | 2723. | 4.878 | 156.8 |
| #2 | 3.220 | .6037 | 2707. | 5.059 | 157.8 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 181.2 | -3.186 | 24.36 | 119.6 |
| Stddev | .4 | .857 | .99 | .1 |
| %RSD | .2303 | 26.90 | 4.049 | .0431 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 181.5 | -2.580 | 25.06 | 119.7 |
| #2 | 180.9 | -3.792 | 23.66 | 119.6 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829201 Acquired: 5/17/2010 16:42:27 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 399.91 | 3783.8 | 3811.9 | 4832.9 |
| Stddev | .14 | 2.9 | 3.7 | 19.8 |
| %RSD | .03401 | .07776 | .09679 | .41040 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 399.81 | 3781.7 | 3814.5 | 4846.9 |
| #2 | 400.00 | 3785.9 | 3809.3 | 4818.9 |

Sample Name: 829202 Acquired: 5/17/2010 16:46:17 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.101 | 284.1 | 3.426 | 13.61 | 28.61 |
| Stddev | .113 | 1.1 | 1.150 | 1.12 | 1.12 |
| %RSD | 10.28 | .3815 | 33.57 | 8.239 | 3.898 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -1.021 | 283.3 | 2.613 | 14.40 | 29.40 |
| #2 | -1.181 | 284.9 | 4.239 | 12.81 | 27.83 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0414 | 14230. | 1.238 | -.3992 | 2.828 |
| Stddev | .3020 | 10. | .033 | .2067 | .390 |
| %RSD | 729.0 | .0694 | 2.693 | 51.79 | 13.79 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | .2550 | 14230. | 1.214 | -.2530 | 2.552 |
| #2 | -.1721 | 14240. | 1.262 | -.5453 | 3.103 |

Check ? Value Range
 None None None None None

Sample Name: 829202 Acquired: 5/17/2010 16:46:17 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 26.43 | 664.9 | 94510. | 3418. | 285.0 |
| Stddev | .80 | 11.9 | 89. | 10. | .5 |
| %RSD | 3.034 | 1.793 | .0944 | .2846 | .1682 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 25.86 | 673.3 | 94570. | 3411. | 285.3 |
| #2 | 26.99 | 656.4 | 94450. | 3425. | 284.6 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 114.6 | 2.827 | 2.815 | 6910. | .5157 |
| Stddev | .1 | 21.79 | .234 | 11. | .5092 |
| %RSD | .0593 | 770.7 | 8.306 | .1570 | 98.74 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 114.6 | 18.23 | 2.980 | 6918. | .8757 |
| #2 | 114.7 | -12.58 | 2.650 | 6902. | .1557 |

Check ? Value Range
 None None None None None

Sample Name: 829202 Acquired: 5/17/2010 16:46:17 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.642 | 1.242 | 3318. | 7.367 | 169.1 |
| Stddev | .225 | 1.581 | 11. | .215 | .2 |
| %RSD | 13.68 | 127.3 | .3397 | 2.913 | .1409 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1.483 | .1243 | 3326. | 7.519 | 168.9 |
| #2 | 1.801 | 2.360 | 3310. | 7.215 | 169.3 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWRD) | (In2306) | (Y_HWRD) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 13.35 | -3.072 | 1.962 | 192.9 |
| Stddev | .74 | .187 | .993 | .7 |
| %RSD | 5.507 | 6.085 | 50.62 | .3754 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 12.83 | -3.204 | 1.260 | 192.3 |
| #2 | 13.87 | -2.940 | 2.664 | 193.4 |

Check ? Value Range
 None None None None

Sample Name: 829202 Acquired: 5/17/2010 16:46:17 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWRD | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 391.35 | 3769.2 | 3759.3 | 4825.8 |
| Stddev | .80 | 8.2 | 10.9 | 12.6 |
| %RSD | .20382 | .21781 | .28906 | .26082 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 390.78 | 3775.0 | 3766.9 | 4834.7 |
| #2 | 391.91 | 3763.4 | 3751.6 | 4816.9 |

Sample Name: 829203 Acquired: 5/17/2010 16:50:09 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6338 | 9063. | 5.460 | 9.714 | 108.7 |
| Stddev | .4648 | 33. | .807 | .353 | 7.6 |
| %RSD | 73.34 | .3679 | 14.78 | 3.638 | 6.949 |
| #1 | .9625 | 9039. | 6.030 | 9.464 | 103.4 |
| #2 | .3051 | 9086. | 4.889 | 9.964 | 114.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9348 | 21670. | 5.873 | 7.960 | 20.23 |
| Stddev | .0366 | 4. | .274 | .025 | .03 |
| %RSD | 3.912 | .0170 | 4.662 | .3101 | .1504 |
| #1 | .9089 | 21670. | 6.067 | 7.977 | 20.26 |
| #2 | .9606 | 21670. | 5.680 | 7.942 | 20.21 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829203 Acquired: 5/17/2010 16:50:09 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 147.6 | 12510. | 17710. | 4873. | 445.9 |
| Stddev | .2 | 61. | 42. | 6. | 2.1 |
| %RSD | .1218 | .4840 | .2365 | .1170 | .4794 |
| #1 | 147.7 | 12560. | 17740. | 4869. | 447.4 |
| #2 | 147.4 | 12470. | 17680. | 4877. | 444.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 125.1 | 205.9 | 21.20 | 2157. | 24.35 |
| Stddev | .5 | 10.0 | .79 | 7. | 2.83 |
| %RSD | .3771 | 4.877 | 3.711 | .3112 | 11.64 |
| #1 | 125.4 | 213.0 | 21.76 | 2162. | 26.35 |
| #2 | 124.8 | 198.8 | 20.65 | 2153. | 22.34 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829203 Acquired: 5/17/2010 16:50:09 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.9999 | 2.869 | 2874. | 7.698 | 181.5 |
| Stddev | .5138 | 1.795 | 5. | 1.302 | 2.0 |
| %RSD | 51.39 | 62.56 | .1853 | 16.91 | 1.080 |
| #1 | -.6366 | 4.139 | 2878. | 8.619 | 182.9 |
| #2 | -1.363 | 1.600 | 2870. | 6.778 | 180.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 260.3 | -2.517 | 23.52 | 261.3 | |
| Stddev | .9 | 1.170 | .68 | .3 | |
| %RSD | .3359 | 46.47 | 2.892 | .1236 | |
| #1 | 260.9 | -1.690 | 24.00 | 261.6 | |
| #2 | 259.7 | -3.344 | 23.04 | 261.1 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829203 Acquired: 5/17/2010 16:50:09 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 404.44 | 3842.3 | 3847.7 | 4951.3 |
| Stddev | .74 | .1 | 10.8 | 27.9 |
| %RSD | .18276 | .00207 | .27963 | .56282 |
| #1 | 403.92 | 3842.3 | 3840.1 | 4931.6 |
| #2 | 404.97 | 3842.4 | 3855.3 | 4971.0 |

Sample Name: CCV Acquired: 5/17/2010 16:54:00 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.16 | 29520. | 102.1 | 716.7 | 194.1 |
| Stddev | .21 | 81. | .6 | 3.7 | 1.6 |
| %RSD | .2229 | .2747 | .6066 | .5205 | .8071 |
| #1 | 96.01 | 29580. | 101.6 | 714.0 | 193.0 |
| #2 | 96.31 | 29470. | 102.5 | 719.3 | 195.2 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.06 | 29070. | 97.25 | 188.5 | 193.5 |
| Stddev | .38 | 227. | .28 | .0 | .5 |
| %RSD | .3789 | .7816 | .2896 | .0133 | .2395 |
| #1 | 99.33 | 29230. | 97.05 | 188.6 | 193.1 |
| #2 | 98.80 | 28910. | 97.45 | 188.5 | 193.8 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/17/2010 16:54:00 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 185.1 | 29370. | 29550. | 29450. | 187.4 |
| Stddev | 1.5 | 37. | 57. | 152. | .0 |
| %RSD | .7889 | .1259 | .1937 | .5165 | .0117 |
| #1 | 186.1 | 29400. | 29510. | 29550. | 187.4 |
| #2 | 184.1 | 29340. | 29590. | 29340. | 187.4 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.8 | 29490. | 186.1 | 202.2 | 393.4 |
| Stddev | 1.0 | 79. | .4 | 1.0 | .6 |
| %RSD | .5260 | .2684 | .2264 | .4818 | .1563 |
| #1 | 198.0 | 29540. | 186.4 | 201.5 | 393.8 |
| #2 | 199.5 | 29430. | 185.8 | 202.9 | 392.9 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/17/2010 16:54:00 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 296.3 | 101.9 | 1010. | 196.6 | 295.8 |
| Stddev | 1.0 | 1.7 | 1. | 1.3 | 3.6 |
| %RSD | .3444 | 1.621 | .1398 | .6409 | 1.232 |
| #1 | 295.6 | 100.7 | 1009. | 195.7 | 298.4 |
| #2 | 297.0 | 103.1 | 1011. | 197.5 | 293.2 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 392.3 | 101.0 | 197.8 | 195.4 |
| Stddev | 1.4 | .0 | .9 | .0 |
| %RSD | .3631 | .0182 | .4713 | .0057 |
| #1 | 393.3 | 101.0 | 198.5 | 195.4 |
| #2 | 391.3 | 101.0 | 197.2 | 195.4 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/17/2010 16:54:00 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 388.75 | 3753.8 | 3737.6 | 4822.7 |
| Stddev | .32 | 13.9 | 4.5 | 36.5 |
| %RSD | .08210 | .37083 | .12070 | .75744 |
| #1 | 388.52 | 3763.7 | 3734.5 | 4796.9 |
| #2 | 388.97 | 3744.0 | 3740.8 | 4848.6 |

Sample Name: CCB Acquired: 5/17/2010 16:57:49 Type: QC
Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8610 | 21.40 | .2346 | .0924 | -3.844 |
| Stddev | .9137 | 8.47 | .1206 | .1232 | 1.523 |
| %RSD | 106.1 | 39.57 | 51.43 | 133.3 | 39.62 |

| | | | | | |
|----|--------|-------|-------|-------|--------|
| #1 | -1.507 | 27.38 | .3199 | .1795 | -4.921 |
| #2 | -.2149 | 15.41 | .1493 | .0053 | -2.767 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0385 | -27.63 | .3447 | -.5299 | .1935 |
| Stddev | .0924 | 48.08 | .0683 | .1351 | .1283 |
| %RSD | 240.2 | 174.0 | 19.82 | 25.49 | 66.32 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -.1038 | 6.360 | .2964 | -.4344 | .1028 |
| #2 | -.0269 | -61.63 | .3930 | -.6254 | .2842 |

Check ? High Limit Low Limit
Check Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/17/2010 16:57:49 Type: QC
Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3615 | 9.904 | 153.6 | 1.578 | -.1175 |
| Stddev | .6016 | 13.02 | 133.7 | 30.98 | .0228 |
| %RSD | 166.4 | 131.5 | 87.02 | 1963. | 19.43 |

| | | | | | |
|----|--------|-------|-------|--------|--------|
| #1 | -.7868 | .6947 | 59.09 | 23.48 | -.1337 |
| #2 | .0639 | 19.11 | 248.2 | -20.33 | -.1014 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5144 | -45.78 | .7093 | -1.558 | -.4069 |
| Stddev | .1557 | 33.81 | .6417 | .196 | .0900 |
| %RSD | 30.27 | 73.84 | 90.47 | 12.55 | 22.12 |

| | | | | | |
|----|-------|--------|-------|--------|--------|
| #1 | .4043 | -69.69 | .2555 | -1.420 | -.3433 |
| #2 | .6245 | -21.88 | 1.163 | -1.697 | -.4706 |

Check ? High Limit Low Limit
Check Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/17/2010 16:57:49 Type: QC
Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.943 | -.5216 | 8.483 | .1069 | .0057 |
| Stddev | 2.364 | 3.633 | .004 | .9139 | .0204 |
| %RSD | 121.7 | 696.6 | .0482 | 854.9 | 358.4 |

| | | | | | |
|----|--------|--------|-------|--------|--------|
| #1 | -.2715 | -3.091 | 8.480 | .7532 | .0201 |
| #2 | -3.614 | 2.048 | 8.486 | -.5393 | -.0087 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.3342 | -.1044 | -.3023 | -1.400 |
| Stddev | .1887 | .5443 | .3329 | .083 |
| %RSD | 56.46 | 521.6 | 110.1 | 5.948 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | -.4676 | .2805 | -.0669 | -1.341 |
| #2 | -.2007 | -.4892 | -.5377 | -1.459 |

Check ? High Limit Low Limit
Check Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/17/2010 16:57:49 Type: QC
Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 410.14 | 3803.1 | 3788.1 | 4828.9 |
| Stddev | .27 | 13.5 | 15.7 | 37.6 |
| %RSD | .06559 | .35379 | .41331 | .77828 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.95 | 3793.6 | 3777.0 | 4855.5 |
| #2 | 410.33 | 3812.6 | 3799.1 | 4802.4 |

Sample Name: 829204 Acquired: 5/17/2010 17:01:44 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.252 | 266.3 | 1.653 | 11.06 | 27.14 |
| Stddev | .157 | 14.8 | 2.557 | .50 | 2.03 |
| %RSD | 12.52 | 5.569 | 154.7 | 4.533 | 7.468 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -1.141 | 276.8 | 3.461 | 10.71 | 25.71 |
| #2 | -1.362 | 255.8 | -1.551 | 11.42 | 28.57 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0761 | 10500. | .8160 | -.4056 | 3.246 |
| Stddev | .1291 | 69. | .0123 | .0533 | .348 |
| %RSD | 169.7 | .6542 | 1.502 | 13.15 | 10.73 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | .1673 | 10550. | .8074 | -.4433 | 2.999 |
| #2 | -.0152 | 10460. | .8247 | -.3679 | 3.492 |

Check ? Value Range
 None None None None None

Sample Name: 829204 Acquired: 5/17/2010 17:01:44 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.65 | 675.4 | 89820. | 3139. | 255.4 |
| Stddev | .97 | 7.8 | 249. | 58. | .4 |
| %RSD | 4.490 | 1.148 | .2767 | 1.845 | .1722 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 20.96 | 670.0 | 89650. | 3180. | 255.7 |
| #2 | 22.34 | 680.9 | 90000. | 3098. | 255.1 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 150.0 | 27.79 | 2.694 | 5356. | 1.183 |
| Stddev | .4 | 6.55 | .620 | 7. | 2.731 |
| %RSD | .2861 | 23.56 | 23.01 | .1251 | 230.9 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | 150.3 | 23.16 | 2.256 | 5361. | 3.115 |
| #2 | 149.7 | 32.41 | 3.133 | 5351. | -.7483 |

Check ? Value Range
 None None None None None

Sample Name: 829204 Acquired: 5/17/2010 17:01:44 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.512 | 3.974 | 3202. | 9.028 | 121.6 |
| Stddev | .590 | .632 | 5. | .208 | .7 |
| %RSD | 23.49 | 15.90 | .1437 | 2.305 | .5644 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.095 | 3.527 | 3205. | 8.881 | 122.1 |
| #2 | 2.929 | 4.420 | 3199. | 9.175 | 121.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 14.52 | -2.941 | 2.149 | 188.8 |
| Stddev | .61 | .602 | .447 | .6 |
| %RSD | 4.234 | 20.47 | 20.79 | .3149 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 14.95 | -3.367 | 2.465 | 189.2 |
| #2 | 14.08 | -2.515 | 1.834 | 188.4 |

Check ? Value Range
 None None None None

Sample Name: 829204 Acquired: 5/17/2010 17:01:44 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 397.14 | 3839.9 | 3809.9 | 4906.6 |
| Stddev | .41 | 21.9 | 6.0 | 12.1 |
| %RSD | .10304 | .57123 | .15681 | .24708 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 397.43 | 3855.4 | 3805.7 | 4915.2 |
| #2 | 396.85 | 3824.4 | 3814.1 | 4898.1 |

Sample Name: 829205 Acquired: 5/17/2010 17:05:37 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.397 | 326.7 | 2.854 | 12.46 | 25.12 |
| Stddev | .141 | 45.1 | .185 | .02 | 6.27 |
| %RSD | 10.10 | 13.81 | 6.492 | .1990 | 24.95 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -1.297 | 358.6 | 2.985 | 12.48 | 20.69 |
| #2 | -1.497 | 294.8 | 2.723 | 12.45 | 29.56 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0605 | 9883. | .9331 | -.2715 | 3.961 |
| Stddev | .1430 | 56. | .0189 | .4589 | .044 |
| %RSD | 236.3 | .5684 | 2.031 | 169.0 | 1.122 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -.1616 | 9843. | .9197 | -.5960 | 3.993 |
| #2 | .0406 | 9922. | .9465 | .0530 | 3.930 |

Check ? Value Range
 None None None None None

Sample Name: 829205 Acquired: 5/17/2010 17:05:37 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 19.78 | 934.3 | 76820. | 2918. | 252.5 |
| Stddev | .96 | 9.1 | 7. | 37. | 1.1 |
| %RSD | 4.852 | .9693 | .0092 | 1.283 | .4190 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 19.10 | 927.9 | 76830. | 2944. | 253.2 |
| #2 | 20.46 | 940.7 | 76820. | 2891. | 251.7 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 129.1 | 18.52 | 2.376 | 4358. | 2.507 |
| Stddev | .9 | 5.95 | .020 | 9. | .499 |
| %RSD | .7103 | 32.15 | .8585 | .2039 | 19.92 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 128.5 | 14.31 | 2.361 | 4351. | 2.154 |
| #2 | 129.8 | 22.72 | 2.390 | 4364. | 2.860 |

Check ? Value Range
 None None None None None

Sample Name: 829205 Acquired: 5/17/2010 17:05:37 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.227 | 1.206 | 2664. | 7.763 | 116.9 |
| Stddev | .967 | 5.104 | 24. | .674 | .5 |
| %RSD | 29.96 | 423.2 | .8943 | 8.677 | .4530 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 3.910 | 4.815 | 2681. | 7.287 | 117.2 |
| #2 | 2.543 | -2.403 | 2647. | 8.240 | 116.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 23.95 | -.9107 | 1.776 | 173.2 |
| Stddev | .52 | .3997 | .170 | .4 |
| %RSD | 2.172 | 43.89 | 9.565 | .2182 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 24.32 | -1.193 | 1.896 | 172.9 |
| #2 | 23.58 | -.6280 | 1.656 | 173.5 |

Check ? Value Range
 None None None None

Sample Name: 829205 Acquired: 5/17/2010 17:05:37 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 396.05 | 3788.2 | 3771.1 | 4828.0 |
| Stddev | 2.28 | 8.5 | 4.2 | 22.3 |
| %RSD | .57483 | .22429 | .11204 | .46251 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 394.44 | 3794.2 | 3768.1 | 4843.7 |
| #2 | 397.66 | 3782.2 | 3774.1 | 4812.2 |

Sample Name: 829206 Acquired: 5/17/2010 17:09:30 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5048 | 7342. | 6.050 | 19.25 | 141.5 |
| Stddev | .0622 | 2. | 2.469 | .01 | 2.3 |
| %RSD | 12.32 | .0339 | 40.81 | .0452 | 1.637 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -5488 | 7344. | 4.304 | 19.26 | 143.1 |
| #2 | -4609 | 7340. | 7.796 | 19.25 | 139.8 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8332 | 32450. | 3.422 | 8.014 | 26.76 |
| Stddev | .1407 | 12. | .394 | .582 | .34 |
| %RSD | 16.88 | .0382 | 11.51 | 7.266 | 1.256 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .9326 | 32440. | 3.700 | 7.602 | 27.00 |
| #2 | .7337 | 32460. | 3.143 | 8.426 | 26.52 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829206 Acquired: 5/17/2010 17:09:30 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 130.1 | 14240. | 14950. | 4902. | 537.3 |
| Stddev | 1.1 | 33. | 90. | 17. | 1.9 |
| %RSD | .8819 | .2350 | .5989 | .3491 | .3574 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | 130.9 | 14260. | 15010. | 4890. | 538.6 |
| #2 | 129.3 | 14210. | 14890. | 4914. | 535.9 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 154.8 | 198.3 | 22.06 | 1818. | 21.50 |
| Stddev | .3 | 6.3 | .05 | 7. | 2.80 |
| %RSD | .1703 | 3.154 | .2078 | .4012 | 13.03 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 155.0 | 193.8 | 22.09 | 1813. | 23.48 |
| #2 | 154.6 | 202.7 | 22.03 | 1823. | 19.51 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829206 Acquired: 5/17/2010 17:09:30 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6385 | 1.905 | 4699. | 6.716 | 349.6 |
| Stddev | .0239 | .052 | 18. | .995 | 8.1 |
| %RSD | 3.742 | 2.744 | .3747 | 14.81 | 2.324 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .6554 | 1.868 | 4711. | 7.420 | 355.3 |
| #2 | .6216 | 1.942 | 4686. | 6.013 | 343.8 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 254.3 | -2.086 | 29.94 | 310.4 |
| Stddev | .4 | 2.437 | .51 | .4 |
| %RSD | .1585 | 116.8 | 1.710 | .1386 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 254.6 | -3.809 | 30.30 | 310.7 |
| #2 | 254.0 | -3.631 | 29.58 | 310.1 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829206 Acquired: 5/17/2010 17:09:30 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 402.63 | 3860.8 | 3863.0 | 4930.6 |
| Stddev | .52 | 12.8 | 9.3 | 14.6 |
| %RSD | .13003 | .33159 | .24033 | .29614 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 403.00 | 3851.7 | 3856.4 | 4920.3 |
| #2 | 402.26 | 3869.8 | 3869.5 | 4941.0 |

Sample Name: 829207 Acquired: 5/17/2010 17:13:27 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6713 | 5056. | 5.527 | 17.30 | 117.8 |
| Stddev | .3015 | 43. | 1.069 | .60 | .5 |
| %RSD | 44.92 | .8450 | 19.35 | 3.459 | .3896 |
| #1 | -4580 | 5026. | 6.283 | 17.73 | 118.1 |
| #2 | -.8845 | 5086. | 4.771 | 16.88 | 117.5 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4941 | 28170. | 3.733 | 4.453 | 46.74 |
| Stddev | .0703 | 77. | .173 | .241 | .00 |
| %RSD | 14.23 | .2738 | 4.645 | 5.409 | .0070 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .4444 | 28230. | 3.610 | 4.283 | 46.75 |
| #2 | .5438 | 28120. | 3.856 | 4.623 | 46.74 |

Check ? Value Range
 None None None None None

Sample Name: 829207 Acquired: 5/17/2010 17:13:27 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 123.6 | 7963. | 13460. | 3676. | 343.7 |
| Stddev | .7 | 23. | 220. | 78. | .3 |
| %RSD | .5954 | .2934 | 1.636 | 2.118 | .0891 |
| #1 | 123.1 | 7946. | 13300. | 3621. | 343.9 |
| #2 | 124.2 | 7979. | 13610. | 3731. | 343.5 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 147.4 | 211.3 | 18.82 | 1670. | 11.46 |
| Stddev | .3 | 5.7 | .19 | 3. | 1.77 |
| %RSD | .2059 | 2.716 | .9848 | .1646 | 15.43 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 147.2 | 207.2 | 18.69 | 1668. | 12.70 |
| #2 | 147.6 | 215.4 | 18.95 | 1672. | 10.21 |

Check ? Value Range
 None None None None None

Sample Name: 829207 Acquired: 5/17/2010 17:13:27 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.228 | 2.390 | 2866. | 8.781 | 313.1 |
| Stddev | .458 | 4.254 | 10. | .476 | 1.5 |
| %RSD | 37.28 | 178.0 | .3463 | 5.422 | .4672 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .9041 | 5.399 | 2859. | 8.444 | 312.1 |
| #2 | 1.551 | -.6179 | 2873. | 9.117 | 314.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 176.9 | -2.151 | 18.03 | 203.6 |
| Stddev | .8 | 2.483 | 1.07 | .3 |
| %RSD | .4436 | 115.4 | 5.946 | .1456 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 177.5 | -.3950 | 18.79 | 203.4 |
| #2 | 176.4 | -3.906 | 17.27 | 203.8 |

Check ? Value Range
 None None None None

Sample Name: 829207 Acquired: 5/17/2010 17:13:27 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 408.25 | 3866.1 | 3875.8 | 4946.9 |
| Stddev | 1.16 | 3.1 | 5.7 | 15.1 |
| %RSD | .28330 | .08080 | .14753 | .30475 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 407.43 | 3868.3 | 3871.7 | 4957.6 |
| #2 | 409.07 | 3863.9 | 3879.8 | 4936.2 |

Sample Name: 829208 Acquired: 5/17/2010 17:17:18 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.345 | 378.1 | 3.395 | 12.87 | 38.58 |
| Stddev | .763 | .7 | 1.219 | .60 | 2.80 |
| %RSD | 56.71 | .1720 | 35.90 | 4.673 | 7.265 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -8057 | 378.6 | 4.257 | 13.29 | 36.60 |
| #2 | -1.884 | 377.7 | 2.533 | 12.44 | 40.56 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1006 | 10640. | .3307 | -.3780 | 3.606 |
| Stddev | .2317 | 161. | .0987 | .2958 | .111 |
| %RSD | 230.3 | 1.513 | 29.84 | 78.24 | 3.088 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -.0632 | 10750. | .2609 | -.5872 | 3.685 |
| #2 | -.2644 | 10520. | .4005 | -.1689 | 3.527 |

Check ? Value Range
 None None None None None

Sample Name: 829208 Acquired: 5/17/2010 17:17:18 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.40 | 637.0 | 69110. | 2815. | 221.0 |
| Stddev | .97 | 3.5 | 74. | 29. | .4 |
| %RSD | 5.247 | .5512 | .1064 | 1.037 | .1752 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 19.08 | 639.5 | 69170. | 2836. | 220.7 |
| #2 | 17.72 | 634.5 | 69060. | 2794. | 221.3 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 143.1 | 36.76 | 1.366 | 5944. | .2393 |
| Stddev | .8 | 12.17 | .343 | 7. | 3.124 |
| %RSD | .5450 | 33.11 | 25.12 | .1115 | 1305. |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | 142.5 | 45.36 | 1.123 | 5939. | 2.448 |
| #2 | 143.6 | 28.15 | 1.608 | 5948. | -1.970 |

Check ? Value Range
 None None None None None

Sample Name: 829208 Acquired: 5/17/2010 17:17:18 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2312 | .0301 | 5145. | 8.311 | 106.1 |
| Stddev | 1.520 | 3.978 | 13. | .283 | .2 |
| %RSD | 657.4 | 13230. | .2446 | 3.409 | .2162 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.8435 | -2.782 | 5154. | 8.512 | 106.0 |
| #2 | 1.306 | 2.843 | 5136. | 8.111 | 106.3 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 19.89 | -3.000 | 1.869 | 143.9 |
| Stddev | 2.56 | .415 | .339 | .5 |
| %RSD | 12.87 | 13.84 | 18.13 | .3488 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 21.70 | -2.706 | 1.629 | 143.6 |
| #2 | 18.08 | -3.293 | 2.108 | 144.3 |

Check ? Value Range
 None None None None

Sample Name: 829208 Acquired: 5/17/2010 17:17:18 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 398.33 | 3800.1 | 3819.9 | 4853.7 |
| Stddev | .15 | 6.7 | 2.1 | 23.3 |
| %RSD | .03756 | .17747 | .05516 | .48045 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 398.22 | 3804.9 | 3818.4 | 4870.2 |
| #2 | 398.44 | 3795.3 | 3821.4 | 4837.2 |

Sample Name: 829209 Acquired: 5/17/2010 17:21:12 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0484 | 9071. | 6.352 | 5.040 | 76.97 |
| Stddev | 1.378 | 21. | .374 | 1.252 | 10.54 |
| %RSD | 2845. | .2318 | 5.893 | 24.84 | 13.69 |
| #1 | .9259 | 9086. | 6.617 | 4.154 | 69.52 |
| #2 | -1.023 | 9056. | 6.088 | 5.925 | 84.43 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5335 | 14240. | 2.296 | 6.678 | 18.16 |
| Stddev | .1397 | 47. | .283 | .206 | .27 |
| %RSD | 26.19 | .3298 | 12.34 | 3.083 | 1.502 |
| #1 | .4347 | 14210. | 2.496 | 6.824 | 17.97 |
| #2 | .6322 | 14270. | 2.095 | 6.533 | 18.35 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829209 Acquired: 5/17/2010 17:21:12 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 75.67 | 13970. | 13460. | 4822. | 452.9 |
| Stddev | .96 | 7. | 4. | 1. | 1.1 |
| %RSD | 1.264 | .0488 | .0305 | .0309 | .2320 |
| #1 | 76.35 | 13980. | 13460. | 4823. | 453.7 |
| #2 | 74.99 | 13970. | 13470. | 4821. | 452.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 105.0 | 195.4 | 15.34 | 2716. | 20.99 |
| Stddev | .7 | 16.9 | .11 | 7. | .14 |
| %RSD | .6991 | 8.642 | .7146 | .2730 | .6788 |
| #1 | 105.5 | 207.4 | 15.41 | 2722. | 21.09 |
| #2 | 104.5 | 183.5 | 15.26 | 2711. | 20.89 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829209 Acquired: 5/17/2010 17:21:12 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5456 | -3.239 | 5298. | 7.515 | 125.1 |
| Stddev | .6859 | .052 | 16. | 1.345 | .1 |
| %RSD | 125.7 | 1.608 | .3059 | 17.90 | .0480 |
| #1 | -.0606 | -3.276 | 5309. | 6.564 | 125.0 |
| #2 | -1.031 | -3.202 | 5286. | 8.466 | 125.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 234.5 | -2.678 | 23.08 | 181.6 | |
| Stddev | 1.0 | .928 | .23 | .2 | |
| %RSD | .4433 | 34.66 | 1.017 | .1294 | |
| #1 | 235.2 | -3.334 | 22.92 | 181.4 | |
| #2 | 233.8 | -2.022 | 23.25 | 181.8 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829209 Acquired: 5/17/2010 17:21:12 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 407.07 | 3852.1 | 3880.9 | 4887.0 |
| Stddev | 2.06 | 16.1 | 1.3 | 57.9 |
| %RSD | .50727 | .41890 | .03360 | 1.1852 |
| #1 | 405.61 | 3863.5 | 3880.0 | 4927.9 |
| #2 | 408.53 | 3840.7 | 3881.8 | 4846.0 |

Sample Name: 829210 Acquired: 5/17/2010 17:25:04 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.492 | 340.4 | 2.063 | 31.47 | 75.05 |
| Stddev | .509 | 15.6 | .156 | 1.75 | 1.15 |
| %RSD | 34.10 | 4.584 | 7.538 | 5.559 | 1.537 |
| #1 | -1.851 | 351.4 | 2.173 | 30.23 | 74.23 |
| #2 | -1.132 | 329.3 | 1.953 | 32.71 | 75.86 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0218 | 55730. | .4103 | .0798 | 1.933 |
| Stddev | .0110 | 288. | .1220 | .3480 | .064 |
| %RSD | 50.46 | .5170 | 29.74 | 436.4 | 3.290 |
| #1 | .0296 | 55940. | .3241 | -.1663 | 1.978 |
| #2 | .0140 | 55530. | .4966 | .3259 | 1.888 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829210 Acquired: 5/17/2010 17:25:04 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.45 | 652.0 | 59720. | 10020. | 135.5 |
| Stddev | .52 | 12.1 | 31. | 35. | .0 |
| %RSD | 2.556 | 1.849 | .0527 | .3467 | .0349 |
| #1 | 20.08 | 660.5 | 59750. | 9999. | 135.5 |
| #2 | 20.82 | 643.5 | 59700. | 10050. | 135.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 149.9 | 64.11 | 6.941 | 7160. | -1.188 |
| Stddev | .6 | 1.97 | .524 | 9. | .357 |
| %RSD | .4089 | 3.070 | 7.554 | .1211 | 30.06 |
| #1 | 149.5 | 65.50 | 7.311 | 7166. | -1.440 |
| #2 | 150.4 | 62.72 | 6.570 | 7154. | -.9353 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829210 Acquired: 5/17/2010 17:25:04 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.378 | -1.424 | 660.3 | 12.31 | 497.8 |
| Stddev | .572 | 4.506 | 4.8 | .57 | 1.8 |
| %RSD | 41.51 | 316.4 | .7321 | 4.613 | .3685 |
| #1 | 1.783 | -4.610 | 663.7 | 11.91 | 496.5 |
| #2 | .9737 | 1.762 | 656.9 | 12.71 | 499.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 18.45 | -1.559 | 1.146 | 117.5 | |
| Stddev | .22 | .106 | .640 | .3 | |
| %RSD | 1.189 | 6.805 | 55.82 | .2928 | |
| #1 | 18.61 | -1.484 | 1.599 | 117.3 | |
| #2 | 18.30 | -1.634 | .6939 | 117.7 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829210 Acquired: 5/17/2010 17:25:04 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 393.95 | 3786.1 | 3805.0 | 4877.6 |
| Stddev | .64 | 7.5 | 2.0 | 9.0 |
| %RSD | .16151 | .19723 | .05159 | .18421 |
| #1 | 394.40 | 3780.8 | 3803.6 | 4871.3 |
| #2 | 393.50 | 3791.4 | 3806.4 | 4884.0 |

Sample Name: 829211 Acquired: 5/17/2010 17:29:01 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6547 | 2013. | 2.170 | 31.25 | 43.27 |
| Stddev | .7593 | 1. | 1.804 | .42 | 1.32 |
| %RSD | 116.0 | .0254 | 83.12 | 1.346 | 3.059 |
| #1 | -.1178 | 2013. | .8946 | 31.55 | 44.20 |
| #2 | -.1.192 | 2014. | 3.446 | 30.95 | 42.33 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1529 | 10690. | 1.301 | 1.305 | 4.183 |
| Stddev | .1965 | 12. | .091 | .098 | .199 |
| %RSD | 128.6 | .1102 | 7.015 | 7.492 | 4.749 |

#1 -.2918 10700. 1.236 1.236 4.043
 #2 -.0139 10680. 1.365 1.374 4.324

Check ? Value Range
 None None None None None

Sample Name: 829211 Acquired: 5/17/2010 17:29:01 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.68 | 2541. | 30370. | 8892. | 93.99 |
| Stddev | .47 | 10. | 163. | 25. | .35 |
| %RSD | 2.280 | .4111 | .5354 | .2855 | .3741 |
| #1 | 20.35 | 2549. | 30480. | 8874. | 94.24 |
| #2 | 21.02 | 2534. | 30250. | 8910. | 93.74 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 211.4 | 356.9 | 15.73 | 2484. | 3.555 |
| Stddev | .4 | 12.3 | .56 | 11. | 2.317 |
| %RSD | .2107 | 3.433 | 3.565 | .4605 | 65.17 |

#1 211.7 365.6 15.33 2492. 1.917
 #2 211.1 348.2 16.12 2476. 5.194

Check ? Value Range
 None None None None None

Sample Name: 829211 Acquired: 5/17/2010 17:29:01 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.936 | .5424 | 2283. | 6.090 | 179.8 |
| Stddev | .382 | 8.137 | 3. | 1.685 | .4 |
| %RSD | 13.00 | 1500. | .1465 | 27.66 | .2417 |

#1 2.666 6.296 2286. 7.281 180.1
 #2 3.205 -5.212 2281. 4.899 179.5

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 50.80 | -3.018 | 7.578 | 129.8 |
| Stddev | .14 | .779 | .576 | .6 |
| %RSD | .2837 | 25.80 | 7.601 | .4959 |

#1 50.70 -2.467 7.985 130.3
 #2 50.90 -3.569 7.170 129.4

Check ? Value Range
 None None None None

Sample Name: 829211 Acquired: 5/17/2010 17:29:01 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 404.23 | 3809.8 | 3834.7 | 4833.0 |
| Stddev | .84 | 12.0 | 6.7 | 17.9 |
| %RSD | .20736 | .31467 | .17433 | .36972 |

#1 404.83 3801.3 3830.0 4820.4
 #2 403.64 3818.2 3839.4 4845.6

Sample Name: 829212 Acquired: 5/17/2010 17:32:53 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.138 | 196.5 | 1.005 | 11.95 | 34.37 |
| Stddev | 1.070 | 6.2 | .252 | .78 | 7.97 |
| %RSD | 94.04 | 3.137 | 25.09 | 6.509 | 23.18 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -3811 | 200.9 | 1.183 | 11.40 | 28.74 |
| #2 | -1.894 | 192.2 | .8268 | 12.50 | 40.01 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.0406 | 14470. | 1.232 | -.2644 | 2.759 |
| Stddev | .0897 | 52. | .106 | .1447 | .121 |
| %RSD | 221.1 | .3590 | 8.582 | 54.74 | 4.397 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | .0229 | 14430. | 1.307 | -.1621 | 2.673 |
| #2 | -.1040 | 14510. | 1.157 | -.3667 | 2.844 |

Check ? Value Range
 None None None None None

Sample Name: 829212 Acquired: 5/17/2010 17:32:53 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 19.61 | 461.1 | 76870. | 3202. | 186.2 |
| Stddev | .24 | 5.8 | 227. | 11. | .2 |
| %RSD | 1.219 | 1.255 | .2948 | .3397 | .1331 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 19.44 | 457.0 | 76710. | 3195. | 186.4 |
| #2 | 19.78 | 465.2 | 77030. | 3210. | 186.1 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 175.1 | 20.92 | .8594 | 7351. | -.7342 |
| Stddev | .6 | 1.83 | .4238 | 15. | 1.214 |
| %RSD | .3356 | 8.762 | 49.31 | .2067 | 165.3 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | 174.7 | 19.62 | 1.159 | 7340. | .1242 |
| #2 | 175.5 | 22.21 | .5597 | 7362. | -1.593 |

Check ? Value Range
 None None None None None

Sample Name: 829212 Acquired: 5/17/2010 17:32:53 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7471 | 1.445 | 3110. | 8.306 | 122.0 |
| Stddev | .4713 | 1.843 | 4. | .600 | 1.3 |
| %RSD | 63.09 | 127.5 | .1406 | 7.225 | 1.065 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -1.080 | 2.748 | 3107. | 8.730 | 121.0 |
| #2 | -.4138 | .1419 | 3113. | 7.882 | 122.9 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.222 | -1.998 | 2.056 | 150.6 |
| Stddev | .159 | 1.471 | .349 | .0 |
| %RSD | 1.929 | 73.62 | 16.98 | .0006 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 8.334 | -3.039 | 2.303 | 150.6 |
| #2 | 8.110 | -.9580 | 1.810 | 150.6 |

Check ? Value Range
 None None None None

Sample Name: 829212 Acquired: 5/17/2010 17:32:53 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 397.08 | 3782.7 | 3803.9 | 4855.8 |
| Stddev | .41 | 17.8 | 1.7 | 11.5 |
| %RSD | .10368 | .47143 | .04519 | .23770 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 396.79 | 3770.1 | 3805.1 | 4864.0 |
| #2 | 397.37 | 3795.4 | 3802.7 | 4847.7 |

Sample Name: 829213 Acquired: 5/17/2010 17:36:46 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5222 | 206.9 | 1.832 | 9.022 | 48.43 |
| Stddev | .3011 | 6.7 | .038 | .531 | .39 |
| %RSD | 57.66 | 3.242 | 2.092 | 5.881 | .8150 |
| #1 | -.3093 | 211.6 | 1.859 | 8.647 | 48.71 |
| #2 | -.7351 | 202.2 | 1.805 | 9.397 | 48.15 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2345 | 15200. | 1.523 | -.6358 | 1.949 |
| Stddev | .2099 | 35. | .423 | .1158 | .186 |
| %RSD | 89.55 | .2277 | 27.79 | 18.21 | 9.552 |
| #1 | -.0860 | 15220. | 1.224 | -.5539 | 1.817 |
| #2 | -.3829 | 15170. | 1.822 | -.7176 | 2.081 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829213 Acquired: 5/17/2010 17:36:46 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 16.93 | 349.8 | 73740. | 3270. | 178.6 |
| Stddev | .19 | 6.1 | 555. | 40. | .5 |
| %RSD | 1.105 | 1.739 | .7525 | 1.224 | .2973 |
| #1 | 17.06 | 354.1 | 74130. | 3299. | 179.0 |
| #2 | 16.80 | 345.5 | 73340. | 3242. | 178.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 144.3 | 28.48 | .8234 | 6883. | 1.035 |
| Stddev | .5 | 34.92 | 1.288 | 2. | 1.073 |
| %RSD | .3747 | 122.6 | 156.5 | .0353 | 103.7 |
| #1 | 143.9 | 53.17 | 1.734 | 6885. | .2765 |
| #2 | 144.7 | 3.784 | -.0876 | 6881. | 1.794 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829213 Acquired: 5/17/2010 17:36:46 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.045 | 2.031 | 3572. | 8.340 | 130.4 |
| Stddev | 1.451 | 2.262 | 15. | .537 | .2 |
| %RSD | 138.9 | 111.4 | .4274 | 6.443 | .1169 |
| #1 | .0188 | .4316 | 3582. | 7.960 | 130.3 |
| #2 | 2.071 | 3.631 | 3561. | 8.719 | 130.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 6.688 | -1.370 | 1.784 | 150.1 | |
| Stddev | .118 | .925 | .449 | .3 | |
| %RSD | 1.759 | 67.51 | 25.19 | .2248 | |
| #1 | 6.605 | -2.024 | 2.102 | 150.4 | |
| #2 | 6.772 | -.7161 | 1.466 | 149.9 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829213 Acquired: 5/17/2010 17:36:46 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (150) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 395.95 | 3784.8 | 3805.2 | 4826.2 |
| Stddev | .16 | 4.6 | 7.5 | 6.1 |
| %RSD | .04089 | .12118 | .19654 | .12627 |
| #1 | 396.06 | 3781.6 | 3799.9 | 4830.5 |
| #2 | 395.83 | 3788.1 | 3810.5 | 4821.9 |

Sample Name: CCV Acquired: 5/17/2010 17:40:38 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.26 | 29690. | 104.3 | 707.1 | 188.4 |
| Stddev | 1.05 | 106. | .4 | 3.2 | .2 |
| %RSD | 1.090 | .3560 | .3413 | .4591 | .1206 |
| #1 | 95.51 | 29610. | 104.0 | 704.8 | 188.5 |
| #2 | 97.00 | 29760. | 104.5 | 709.4 | 188.2 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.57 | 29280. | 96.66 | 186.8 | 190.0 |
| Stddev | .18 | 23. | .17 | .0 | .3 |
| %RSD | .1847 | .0771 | .1722 | .0123 | .1740 |
| #1 | 99.70 | 29290. | 96.78 | 186.8 | 189.8 |
| #2 | 99.44 | 29260. | 96.54 | 186.8 | 190.2 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/17/2010 17:40:38 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 184.6 | 29810. | 29610. | 29750. | 187.1 |
| Stddev | .6 | 99. | 94. | 36. | .2 |
| %RSD | .3454 | .3317 | .3172 | .1200 | .1120 |
| #1 | 184.2 | 29740. | 29550. | 29720. | 187.0 |
| #2 | 185.1 | 29880. | 29680. | 29770. | 187.3 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.2 | 29680. | 185.2 | 203.0 | 388.2 |
| Stddev | .7 | 97. | 1.1 | 1.3 | .5 |
| %RSD | .3335 | .3265 | .5774 | .6413 | .1215 |
| #1 | 195.7 | 29750. | 184.5 | 202.1 | 388.5 |
| #2 | 196.7 | 29610. | 186.0 | 204.0 | 387.9 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/17/2010 17:40:38 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 293.1 | 96.88 | 1017. | 191.2 | 296.4 |
| Stddev | .7 | 2.36 | .2 | 1.6 | 1.8 |
| %RSD | .2413 | 2.437 | .1763 | .8199 | .6135 |
| #1 | 292.6 | 95.21 | 1015. | 190.1 | 297.7 |
| #2 | 293.6 | 98.55 | 1018. | 192.3 | 295.2 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 389.5 | 98.16 | 200.1 | 191.2 |
| Stddev | .1 | 1.64 | 1.9 | .2 |
| %RSD | .0155 | 1.671 | .9306 | .1071 |
| #1 | 389.4 | 99.32 | 198.8 | 191.1 |
| #2 | 389.5 | 97.00 | 201.4 | 191.3 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/17/2010 17:40:38 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 388.49 | 3739.8 | 3760.5 | 4775.6 |
| Stddev | 1.28 | 15.2 | 11.9 | 13.3 |
| %RSD | .33034 | .40532 | .31733 | .27905 |
| #1 | 387.58 | 3750.5 | 3752.0 | 4766.2 |
| #2 | 389.40 | 3729.1 | 3768.9 | 4785.1 |

Sample Name: CCB Acquired: 5/17/2010 17:44:27 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.660 | 32.07 | 1.948 | -.2330 | -8.757 |
| Stddev | 1.196 | 5.50 | .012 | .7546 | 7.951 |
| %RSD | 72.09 | 17.14 | .6142 | 323.9 | 90.80 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | -2.505 | 28.18 | 1.939 | .3007 | -14.38 |
| #2 | -.8136 | 35.96 | 1.956 | -.7666 | -3.134 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0131 | -57.86 | .0914 | -.2747 | .0834 |
| Stddev | .0390 | 52.43 | .0486 | .0626 | .5568 |
| %RSD | 298.8 | 90.62 | 53.21 | 22.78 | 667.3 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | .0145 | -94.94 | .0570 | -.2305 | .4772 |
| #2 | -.0406 | -20.78 | .1258 | -.3190 | -.3103 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/17/2010 17:44:27 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.298 | -2.192 | 72.41 | 72.11 | -.1667 |
| Stddev | .362 | 1.147 | 122.5 | 25.37 | .0819 |
| %RSD | 27.91 | 52.30 | 169.1 | 35.19 | 49.12 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | -1.042 | -3.003 | 159.0 | 54.17 | -.1088 |
| #2 | -1.554 | -1.382 | -14.20 | 90.05 | -.2246 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4137 | -18.20 | .6256 | .0733 | -2.400 |
| Stddev | .3372 | 14.83 | .5270 | 2.291 | .989 |
| %RSD | 81.51 | 81.51 | 84.23 | 3125. | 41.22 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | .6522 | -28.68 | .9982 | -1.547 | -3.099 |
| #2 | .1753 | -7.708 | .2530 | 1.693 | -1.700 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/17/2010 17:44:27 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.085 | -3.063 | 9.375 | -.9988 | -.0337 |
| Stddev | .285 | .436 | 4.885 | .3264 | .0100 |
| %RSD | 26.29 | 14.22 | 52.10 | 32.68 | 29.54 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| #1 | .8831 | -2.755 | 12.83 | -1.230 | -.0408 |
| #2 | 1.286 | -3.372 | 5.921 | -.7680 | -.0267 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.8374 | -1.171 | .1023 | -1.378 |
| Stddev | .3126 | 1.881 | .2370 | .114 |
| %RSD | 37.33 | 160.7 | 231.6 | 8.243 |

| | | | | |
|------------|----------|----------|----------|----------|
| #1 | -1.058 | .1594 | -.0652 | -1.298 |
| #2 | -.6163 | -2.501 | .2699 | -1.458 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCB Acquired: 5/17/2010 17:44:27 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 412.70 | 3807.2 | 3835.1 | 4805.6 |
| Stddev | 1.63 | 8.7 | 4.2 | 10.6 |
| %RSD | .39425 | .22859 | .10838 | .21983 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 413.85 | 3801.0 | 3838.0 | 4813.1 |
| #2 | 411.54 | 3813.3 | 3832.1 | 4798.1 |

Sample Name: 829214 Acquired: 5/17/2010 17:48:23 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.088 | 32.23 | 1.592 | -.6648 | 1.017 |
| Stddev | .160 | 11.09 | 2.284 | .7454 | 1.216 |
| %RSD | 14.75 | 34.42 | 143.5 | 112.1 | 119.6 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -9.745 | 40.07 | 3.207 | -1.192 | .1569 |
| #2 | -1.201 | 24.38 | -.0232 | -.1377 | 1.877 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1209 | -105.8 | .0516 | -.6101 | .1658 |
| Stddev | .2459 | 36.6 | .1889 | .0181 | .2687 |
| %RSD | 203.3 | 34.61 | 366.1 | 2.964 | 162.1 |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | .0529 | -79.94 | .1852 | -.5973 | .3558 |
| #2 | -.2948 | -131.7 | -.0820 | -.6228 | -.0243 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829214 Acquired: 5/17/2010 17:48:23 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.511 | 9.084 | 5.334 | 38.77 | -.1375 |
| Stddev | .285 | 3.356 | 9.286 | 32.44 | .0402 |
| %RSD | 18.87 | 36.94 | 174.1 | 83.66 | 29.26 |

| | | | | | |
|----|--------|-------|--------|-------|--------|
| #1 | -1.713 | 6.711 | -1.232 | 15.84 | -.1090 |
| #2 | -1.309 | 11.46 | 11.90 | 61.71 | -.1659 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1246 | 12.60 | 1.520 | 5.429 | -.4295 |
| Stddev | .2007 | 10.13 | .717 | .464 | 1.112 |
| %RSD | 161.0 | 80.39 | 47.17 | 8.548 | 258.9 |

| | | | | | |
|----|--------|-------|-------|-------|--------|
| #1 | .0173 | 5.437 | 2.026 | 5.757 | .3568 |
| #2 | -.2665 | 19.76 | 1.013 | 5.101 | -1.216 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829214 Acquired: 5/17/2010 17:48:23 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3873 | -2.949 | 12.57 | 14.99 | -.0155 |
| Stddev | .0280 | .523 | 3.89 | .15 | .0025 |
| %RSD | 7.239 | 17.72 | 30.93 | 1.009 | 16.03 |

| | | | | | |
|----|-------|--------|-------|-------|--------|
| #1 | .4071 | -2.579 | 15.32 | 15.10 | -.0137 |
| #2 | .3674 | -3.319 | 9.819 | 14.88 | -.0172 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.3507 | -2.880 | -.4456 | -1.090 |
| Stddev | .0202 | .826 | .1673 | .132 |
| %RSD | 5.760 | 28.66 | 37.56 | 12.07 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | -.3364 | -3.464 | -.3272 | -1.183 |
| #2 | -.3649 | -2.296 | -.5639 | -.9966 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829214 Acquired: 5/17/2010 17:48:23 Type: Unk
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 413.42 | 3836.3 | 3859.6 | 4854.4 |
| Stddev | 1.36 | 13.4 | .1 | 5.2 |
| %RSD | .32791 | .34977 | .00374 | .10634 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 412.47 | 3845.8 | 3859.7 | 4850.7 |
| #2 | 414.38 | 3826.9 | 3859.5 | 4858.0 |

Sample Name: CCV Acquired: 5/17/2010 17:52:17 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 95.42 | 29750. | 104.3 | 709.2 | 188.7 |
| Stddev | .35 | 8. | 1.7 | 2.6 | 1.4 |
| %RSD | .3623 | .0285 | 1.610 | .3691 | .7401 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 95.67 | 29750. | 103.1 | 707.3 | 187.7 |
| #2 | 95.18 | 29760. | 105.4 | 711.0 | 189.7 |

Check ? High Limit Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.1 | 29490. | 96.46 | 187.1 | 190.8 |
| Stddev | .4 | 48. | .25 | 1.4 | .7 |
| %RSD | .3902 | .1619 | .2606 | .7281 | .3680 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 100.4 | 29520. | 96.28 | 186.2 | 190.3 |
| #2 | 99.82 | 29450. | 96.63 | 188.1 | 191.3 |

Check ? High Limit Low Limit

Sample Name: CCV Acquired: 5/17/2010 17:52:17 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 184.9 | 29780. | 29710. | 29860. | 187.2 |
| Stddev | .1 | 28. | 68. | 1. | .1 |
| %RSD | .0668 | .0941 | .2306 | .0039 | .0467 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 185.0 | 29760. | 29750. | 29860. | 187.2 |
| #2 | 184.8 | 29800. | 29660. | 29870. | 187.3 |

Check ? High Limit Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.1 | 29780. | 186.3 | 203.2 | 395.0 |
| Stddev | 1.3 | 19. | 1.0 | 2.0 | 4.4 |
| %RSD | .6470 | .0628 | .5100 | .9851 | 1.122 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 195.2 | 29770. | 185.7 | 204.6 | 391.9 |
| #2 | 197.0 | 29800. | 187.0 | 201.8 | 398.2 |

Check ? High Limit Low Limit

Sample Name: CCV Acquired: 5/17/2010 17:52:17 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 294.2 | 98.09 | 1011. | 193.2 | 295.1 |
| Stddev | 5.8 | .60 | 2. | .1 | .6 |
| %RSD | 1.988 | .6128 | .2367 | .0565 | .1892 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 290.0 | 98.52 | 1013. | 193.2 | 295.5 |
| #2 | 298.3 | 97.67 | 1009. | 193.1 | 294.7 |

Check ? High Limit Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 390.5 | 100.7 | 200.1 | 191.3 |
| Stddev | .6 | 2.0 | .1 | 1.0 |
| %RSD | .1530 | 1.952 | .0341 | .5326 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 390.1 | 99.34 | 200.2 | 190.6 |
| #2 | 390.9 | 102.1 | 200.1 | 192.0 |

Check ? High Limit Low Limit

Sample Name: CCV Acquired: 5/17/2010 17:52:17 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 386.13 | 3728.4 | 3757.5 | 4785.3 |
| Stddev | .97 | 6.2 | 4.4 | 3.4 |
| %RSD | .25067 | .16654 | .11792 | .07110 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 386.82 | 3732.8 | 3754.3 | 4787.7 |
| #2 | 385.45 | 3724.0 | 3760.6 | 4782.9 |

Sample Name: CCB Acquired: 5/17/2010 17:56:06 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.494 | 27.50 | -2.071 | .4786 | -3.214 |
| Stddev | .804 | 64.29 | 2.173 | .5637 | 2.446 |
| %RSD | 53.83 | 233.8 | 104.9 | 117.8 | 76.09 |

| | | | | | |
|----|--------|--------|--------|-------|--------|
| #1 | -.9250 | -17.96 | -.5345 | .8772 | -4.943 |
| #2 | -2.062 | 72.96 | -3.608 | .0800 | -1.485 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0235 | -116.9 | .0069 | -.4618 | -.1953 |
| Stddev | .0931 | 70.4 | .1033 | .0565 | .0417 |
| %RSD | 395.7 | 60.20 | 1501. | 12.24 | 21.33 |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | .0423 | -166.7 | -.0662 | -.4219 | -.2248 |
| #2 | -.0894 | -67.16 | .0799 | -.5018 | -.1659 |

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/17/2010 17:56:06 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7631 | 2.541 | -95.38 | -6.008 | -.0757 |
| Stddev | .3961 | 11.43 | 84.61 | 32.07 | .1468 |
| %RSD | 51.91 | 449.7 | 88.71 | 533.7 | 193.9 |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | -1.043 | -5.539 | -155.2 | -28.68 | .0281 |
| #2 | -.4830 | 10.62 | -35.55 | 16.67 | -.1796 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3903 | -12.25 | .2417 | .4675 | -1.133 |
| Stddev | .3146 | 15.21 | .4269 | .2750 | 1.536 |
| %RSD | 80.62 | 124.2 | 176.6 | 58.83 | 135.5 |

| | | | | | |
|----|-------|--------|--------|-------|--------|
| #1 | .6128 | -1.495 | -.0601 | .6619 | -.0474 |
| #2 | .1678 | -23.01 | .5435 | .2730 | -2.219 |

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/17/2010 17:56:06 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2730 | -2.666 | 1.032 | .3075 | -.0123 |
| Stddev | .6864 | .529 | 1.829 | .6205 | .0108 |
| %RSD | 251.5 | 19.83 | 177.2 | 201.8 | 88.12 |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | -.7583 | -2.292 | -.2613 | -.1313 | -.0199 |
| #2 | .2124 | -3.040 | 2.325 | .7463 | -.0046 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.9310 | .4414 | -.8587 | -1.362 |
| Stddev | .3494 | .7591 | .7106 | .022 |
| %RSD | 37.53 | 172.0 | 82.75 | 1.599 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | -.6839 | .9782 | -1.361 | -1.378 |
| #2 | -1.178 | -.0953 | -.3562 | -1.347 |

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/17/2010 17:56:06 Type: QC
 Method: 6010B(v50) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 411.76 | 3779.0 | 3814.4 | 4812.2 |
| Stddev | .91 | 2.8 | .6 | 28.7 |
| %RSD | .22096 | .07473 | .01480 | .59716 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 411.12 | 3781.0 | 3814.8 | 4832.6 |
| #2 | 412.40 | 3777.0 | 3814.0 | 4791.9 |



Sample Preparation – Metals

Date: 5/10/10

[illegible]

01/21/23

137201

METALS DIGESTION LOG

| Batch Information: | | | | Method Information: | | | | Reagent & Standard Traceability: | | | | |
|--------------------|-------------|-------------------------------|--------------|---------------------|-------------|---|---|----------------------------------|-------------------------|----------------|----------------|------|
| Date: | 5/14/10 | Digestion Method(s): | ILM04.1 | ILM05.4 | HCl Tag ID: | ME-HCL-LID-00014 | 10 mL | LCS Lot # | ME-SPIKE-00008 | ME-LCS-00003 | ME-SPIKE-00003 | mg/L |
| Start Time: | 10:00 | 3005AES | 3005MS | 3010AES | 3010MS | HNO ₃ Tag ID: | ME-HNO ₃ -00003 | 5 mL | Spike Added | 1.0 | 1.0 | mg/L |
| Stop Time: | 13:25 | 3050AES | 3050MS | 200.7 | 200.8 DW | 1:1 HCl Lot # | N/A | mL | True Value | See SOP | | |
| Analyst: | AUS | TTMS | CEC | SAR | | 1:1 HNO ₃ Lot # | ME-HNO ₃ -00004 | 10 mL | MS Lot # | ME-SPIKE-00008 | ME-SPIKE-00003 | mg/L |
| Spike Analyst: | AUS | Matrix: | Water | Soil | Tissue | 30% H ₂ O ₂ Lot # | ME-H ₂ O ₂ -00003 | 312 mL | Spike Added | 1.0 | 1.0 | mg/L |
| Spike Witness: | (Signature) | | | | | 2% HNO ₃ Lot # | N/A | mL | True Value | See SOP | | |
| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Color | Clarity | Texture ² | Artifacts | After Digestion Color | After Digestion Clarity | Comments | | |
| PBS051410C | N/A | 1.00 | 100 | Green | | 13.5/14.0 | Gross | LT Yellow | clear | | | |
| LCS051410C | A1 | 1.10 | | ↓ | | Meat | ↓ | | | | | |
| 829194 | | 1.08 | | LT Brown | | Grass | roots | | | | | |
| 829194MS | | 1.02 | | ↓ | | | ↓ | | | | | |
| 829194DP | | 1.41 | | Green | | | Grass | | | | | |
| 829195MS | | 1.24 | | LT Brown | | | roots | | | | | |
| 829195DP | | 1.32 | | Green | | | Grass | | | | | |
| 829196 | | 1.07 | | LT Brown | | | roots | | | | | |
| 829197 | | 1.47 | | Green | | | Grass | | | | | |
| 829198 | | 1.18 | | LT Brown | | | Grass | | | | | |
| 829199 | | 1.43 | | Green | | | roots | | | | | |
| 829200 | | 1.10 | | LT Brown | | | Grass | | | | | |
| 829202 | | 1.12 | | Green | | | roots | | | | | |
| 829203 | | 1.30 | | LT Brown | | | Grass | | | | | |
| 829204 | | 1.79 | | Green | | | roots | | | | | |
| 829205 | | 1.17 | | LT Brown | | | Grass | | | | | |
| 829206 | | 1.16 | | ↓ | | | ↓ | | | | | |
| 829207 | | 1.07 | | LT Brown | | | roots | | | | | |
| 829208 | | 1.44 | | Green | | | Grass | | | | | |
| 829209 | | 1.05 | | LT Brown | | | roots | | | | | |
| 829210 | | 1.06 | | Green | | | Grass | | | | | |
| 829211 | | 1.17 | | LT Brown | | | roots | | | | | |
| 829211 | | 1.21 | | ↓ | | | ↓ | | | | | |

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature: Block 1 °C Block 2 °C Block 3 °C Block 4 °C Block 5 °C Block 6 °C Block 7 °C Block 8 °C

137201

METALS DIGESTION LOG

| Batch Information: | | | Method Information: | | | Reagent & Standard Traceability: | | | | |
|--------------------|----------------|-------------------------------|----------------------|-----------|----------|---|-------------|-----------------------|-------------------------|----------|
| Date: | Start Time: | Stop Time: | Digestion Method(s): | ILM04.1 | ILM05.4 | HCl Tag ID: | LCS Lot # | | | |
| 5/14/10 | 10:00 | 13:25 | 3005AES | 3010AES | 3010MS | MESHUM-00018 | 5 | mL | | |
| Analyst: | Analyst: | Analyst: | 3050AES | 200.7 | 200.8 DW | 1:1 HCl Lot # | True Value | mg/L | | |
| Analyst: | Analyst: | Analyst: | TMS | CEC | SAR | 1:1 HNO ₃ Lot # | MS Lot # | | | |
| Spike Analyst: | Spike Analyst: | Spike Analyst: | Matrix: | Water | Soil | 30% H ₂ O ₂ Lot # | Spike Added | mg/L | | |
| Spike Witness: | Spike Witness: | Spike Witness: | Water | Soil | Air | 2% HNO ₃ Lot # | True Value | mg/L | | |
| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Color | Clarity | Texture | Artifacts | After Digestion Color | After Digestion Clarity | Comments |
| 829212 | A1 | 1.17 | 100 | Green | | arse | Grass | Yellow | Clear | |
| 829213 | + | 1.11 | ↓ | ↓ | | | + | ↓ | ↓ | |
| 829214 | N/A | 1.00 | ↓ | Colorless | clear | | | | | |
| N/A 5/14/10 | | | | | | | | | | |

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature: Block 1 °C Block 3 °C Block 5 °C Block 7 °C
 Block 2 °C Block 4 °C Block 6 °C Block 8 °C

BR-FME002:04.02.08:7
 TestAmerica

Page 99 of 100

| STANDARD TRACEABILITY RECORDS | | |
|-------------------------------------|---------------------------|--|
| ICP-OES Instrument | | |
| Date: 5/17/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 051710-01 | SLD | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 051710-02 | mu | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 051710-03 | mu | <input type="checkbox"/> 6010 / 200.7 <input checked="" type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | Lot Number | |
| Used for all methods | | |
| STD 7: | ME STD7 W 00002 | |
| STD 8: | ME STD8 W 00008 | |
| STD 4: | ME STD4 W 00002 | |
| ICV: | ME ICV W 00005 | |
| CCV: | ME CCV W 00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME 5% (x) % RINSE W 00015 | |
| Internal Standard Solution: | ME ICP7 IS W 00007 | |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | ME 6010 ICSA W 00003 | |
| ICSAB 6010: | ME 6010 ICSAB W 00001 | |
| CRI 6010: | ME 6010 CRI W 00002 | |
| DOD LRV Solution: | ME DODLRV W 00001 | |
| 6010 Post Spiking Solution: | | |
| 5 PPM AG: | | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | ME 5.4 AG SCR1 W 00005 | |
| ICSA ILM05.4: | ME 5.4 ICSA W 00004 | |
| ICSAB ILM05.4: | ME 5.4 ICSAB W 00001 | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |



Sample Handling



DO NOT LIFT USING THIS TAG

| | | | |
|------------------------------------|--|---------------------------------|--|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number () | |
| Company | | Plant / Floor / Suite / Room | |
| Street Address (1) | | Codes | |
| City | | | |

FedEx 0005 OF 0006
MPS# 0260 8716 0065 9992
Mstr# 8675 7103 9650 0215

XH BTVA



Emp# 580578 03MAY10 APAA
© 2004 FedEx 149849 RE

TUE - 04 MAY AA
PRIORITY OVERNIGHT

05403
VT-US
BTB

DO NOT LIFT USING THIS TAG

| | | | |
|------------------------------------|--|---------------------------------|--|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number () | |
| Company | | Plant / Floor / Suite / Room | |
| Street Address (1) | | Codes | |
| City | | | |

FedEx 0005 OF 0006
MPS# 0260 8716 0066 0003
Mstr# 8675 7103 9650 0215

XH BTVA



Emp# 580578 03MAY10 APAA
© 2004 Fed

TUE - 04 MAY AA
PRIORITY OVERNIGHT

05403
VT-US
BTB

TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

| | | |
|--|--------------------------------|----------------------------------|
| Client: <u>URS COD</u> | Date Received: <u>05/04/10</u> | Log In Date: <u>05/06/10</u> |
| ETR: <u>137201</u> | Time Received: <u>10:15</u> | By: <u>[Signature]</u> |
| SDG: <u>137201</u> | Received By: <u>VP</u> | Signature: <u>[Signature]</u> |
| Project: <u>296000</u> | # Coolers Received: <u>6</u> | PM Signature: <u>[Signature]</u> |
| Samples Delivered By: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify) | | Date: <u>05/01/10</u> |
| List Air bill Number(s) or Attach a photocopy of the Air Bill: | | |

| COOLER SCREEN | YES | NO | NA | COMMENTS |
|---|-------------------------------------|--------------------------|--------------------------|----------|
| There is <u>no</u> evidence to indicate tampering | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Custody seals are present and intact | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Custody seal numbers are present | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| If yes, list custody seal numbers: | | | | |

Thermal Preservation Type: ☒ Wet Ice ☐ Blue Ice ☐ None ☐ Other (specify)

IR Gun ID: 96 Correction Factor (CF) = -2 °C

| | | | |
|-------------------------|-------------------------|---------------|---------------|
| Cooler 1: <u>2.0</u> °C | Cooler 6: <u>4.3</u> °C | Cooler 11: °C | Cooler 16: °C |
| Cooler 2: <u>2.2</u> °C | Cooler 7: °C | Cooler 12: °C | Cooler 17: °C |
| Cooler 3: <u>4.2</u> °C | Cooler 8: °C | Cooler 13: °C | Cooler 18: °C |
| Cooler 4: <u>0.5</u> °C | Cooler 9: °C | Cooler 14: °C | Cooler 19: °C |
| Cooler 5: <u>2.8</u> °C | Cooler 10: °C | Cooler 15: °C | Cooler 20: °C |

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun

EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.

Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

| SAMPLE CONDITION | YES | NO | NA | COMMENTS |
|---|-------------------------------------|--------------------------|--------------------------|----------|
| Sample containers were received intact | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Legible sample labels are affixed to each container | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| CHAIN OF CUSTODY (COC) | YES | NO | NA | COMMENTS |
|---|-------------------------------------|-------------------------------------|-------------------------------------|----------|
| COC is present and includes the following information for each container: | | | | |
| • Sample ID / Sample Description | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Date of Sample Collection | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Time of Sample Collection | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Identification of the Sampler | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Preservation Type | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| • Requested Tests Method(s) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Necessary Signatures | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Internal Chain of Custody (ICOC) Required | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| If yes to above, ICOC Record initiated for every Worksheet | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

| SAMPLE INTEGRITY / USABILITY | YES | NO | NA | COMMENTS |
|---|-------------------------------------|-------------------------------------|-------------------------------------|------------------|
| The sample container matches the COC | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>See below</u> |
| Appropriate sample containers were received for the tests requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Samples were received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Sufficient amount of sample is provided for requested analyses | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| VOA vials do not have headspace or a bubble >6mm (1/4" diameter) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Appropriate preservatives were used for the tests requested | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| pH of inorganic samples checked and is within method specification | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If no, attach Inorganic Sample pH Adjustment Form | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

ANOMALY / NCR SUMMARY:

All values for this log in received in 2 of 6 cooler at 2.2°C and 4.3°C, copies of airbills attached.

Revised 2 vials labeled as CVR ITR2-3-T02N-PLTGAW, one of the vials should be labeled as CVR ITR2-3-T02D-PLTGAW, one of the labels is hand written and will be labeled as CVR ITR2-3-T02D-PLTGAW. Also 2 vials for CVR ITR2-3-T02N-PLTGAW had the label legible as CVR ITR2-3-T02D-PLTGAW. 30s w/QC samples truncated for length due to length, all plus removed.

TestAmerica
South Burlington, VT
Extended Data Package

137205

TestAmerica Laboratories, Inc.

May 25, 2010

Ms. Sheri O'Conner
URS Operating Services, Inc.
1099 18th Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: CMI; SDG: 137205

Dear Ms. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137205 | | | |
| 829219 | CVR1TR3-2-T02N-PLTGBW | 04/28/10 | TISSUE |
| 829220 | CVR1TR3-2-T02D-PLTGBW | 04/28/10 | TISSUE |
| 829221 | CVR1TR32T03NPLTFAW | 04/28/10 | TISSUE |
| 829221DP | CVR1TR32T03NPLTFAWREP | 04/28/10 | TISSUE |
| 829221MD | CVR1TR32T03NPLTFAWMSD | 04/28/10 | TISSUE |
| 829222 | CVR1TR32T03NFLTFBW | 04/28/10 | TISSUE |
| 829222DP | CVR1TR32T03NFLTFBWREP | 04/28/10 | TISSUE |
| 829222MD | CVR1TR32T03NFLTFBWMSD | 04/28/10 | TISSUE |
| 829223 | CVR1TR3-3-T02N-PLTGAW | 04/28/10 | TISSUE |
| 829224 | CVR1TR3-3-T02N-PLTGBW | 04/28/10 | TISSUE |
| 829225 | CVR1TR3-3-T03N-PLTFAW | 04/28/10 | TISSUE |
| 829226 | CVR1TR3-3-T03N-PLTFBW | 04/28/10 | TISSUE |
| 829227 | CVR3TR1-1-T02N-PLTGAW | 05/02/10 | TISSUE |
| 829228 | CVR3TR1-1-T02N-PLTGBW | 05/02/10 | TISSUE |
| 829229 | CVR3TR1-2-T03N-PLTFAW | 05/02/10 | TISSUE |
| 829230 | CVR3TR1-2-T03N-PLTFBW | 05/02/10 | TISSUE |
| 829231 | CVR3TR1-2-T04N-PLTSAW | 05/02/10 | TISSUE |
| 829232 | CVR3TR1-2-T04N-PLTSBW | 05/02/10 | TISSUE |
| 829233 | CVR3TR1-3-T02N-PLTGAW | 05/02/10 | TISSUE |
| 829234 | CVR3TR1-3-T02N-PLTGBW | 05/02/10 | TISSUE |
| 829235 | CVR3TR1-3-T03N-PLTFAW | 05/02/10 | TISSUE |
| 829236 | CVR3TR1-3-T03N-PLTFBW | 05/02/10 | TISSUE |
| 829237 | CVR3TR1-3-T04N-PLTSBW | 05/02/10 | TISSUE |
| 829238 | CVR3TR1-3-T04N-PLTSAW | 05/02/10 | TISSUE |



| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137205 | | | |
| 829239 | EQBLK01 | | TISSUE |

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B: Plant Tissue

These sample volumes were homogenized prior to analysis via 6010B. The relative percent difference (RPD) for sample CVR1TR32T03NFLTFBWD was outside the established quality control criteria. Please refer to report for details.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|---|------------|
| Chain of Custody | 2 |
| Sample Report Summary Wet Chemistry | 7 |
| Supportive Documentation Wet Chemistry | 30 |
| Sample Report Summary Metals | 33 |
| QC Summary Metals | 56 |
| Supportive Documentation Metals | 85 |
| Sample Preparation Metals | 140 |
| Sample Handling | 145 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

URS Corporation • 8181 E. Tufts Avenue, Denver, CO 80237 • 303-694-2770 • Fax 303-694-3946

PAGE 3 OF 13

| Project Name | | Project Number | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|------------------------------------|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|-------------------------|--|
| CMI Soil + Vegetation | | 332-5247 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager Mare Soellner | | Report CC Sheri O'Connor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address 5181 E Tufts Ave Denver, CO 80237 | | sheri-oconnor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5247 | | FAX # (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature dy Best | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING | | MATRIX | | Total Number of Containers | | Total Metals moly | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| CVR1 TR3-1-T03N-PLTFAW | | 04/27/10 1500 | | O | | O | | 1 X | | | | | | | | | | | | | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | | | |
| CVR1 TR3-1-T03N-PLTFBW | | 04/27/10 1500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TR3-2-T02N-PLTGAW | | 04/28/10 1110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TR3-2-T02D-PLTGAW | | 04/28/10 1110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TR3-2-T02N-PLTGBW | | 04/28/10 1405 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TR3-2-T02D-PLTGBW | | 04/28/10 1405 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TR3-2-T03N-PLTFAW | | 04/28/10 1150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TR3-2-T03N-PLTFBW | | 04/28/10 1345 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS | | Inorganic suite includes: | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | TURNAROUND REQUIREMENTS RUSH (surcharges apply) 24 hr 48 hr 5 day X STANDARD per work order REQUESTED FAX DATE REQUESTED REPORT DATE | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No per work order | | INVOICE INFORMATION PO# BILL TO: Sheri O'Connor SUBMISSION #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.2 | | CUSTODY SEALS Y N | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | | |
| Signature dy Best | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | | Signature V. Pharten | |
| Printed Name Liz Best | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | Printed Name V. Pharten | | | |
| Firm URS | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | Firm TA Lab | | | |
| Date/Time 05/03/10 1500 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | Date/Time 05/03/10 1015 | | | |

COPY - ORIGINAL ON FILE

White and Yellow to lab

Pink - sample management

SDG 137201 of 137201



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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PAGE 5 OF 13

Work Order #

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|---|--|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Project Name CMI Soil + Vegetation | | Project Number 2241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager Marc Soellner | | Report CC shvi_o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address 381 E. Tufts Ave Denver, CO 80237 | | FAX # (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5297 | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature Liz Best | | Matrix 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | DATE | | TIME | | MATRIX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TRI-2-TOZN-PLTGAW | | 05/02/10 | | 0945 | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TRI-2-TOZN-PLTGBW | | 05/02/10 | | 0955 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TRI-2-TO3N-PLTFAW | | 05/02/10 | | 1025 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TRI-2-TO3N-PLTFSW | | 05/02/10 | | 1030 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TRI-2-TO4N-PLTSAW | | 05/02/10 | | 1005 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TRI-2-TO4N-PLTFSW | | 05/02/10 | | 1015 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TRI-3-TOZN-PLTGAW | | 05/02/10 | | 1240 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TRI-3-TOZN-PLTGBW | | 05/02/10 | | 1245 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | | | | | | | | | | | TURNAROUND REQUIREMENTS RUSH (surcharge apply) 24 hr 48 hr 5 day X STANDARD per work order REQUESTED FAX DATE REQUESTED REPORT DATE | | | | | | | | | | | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No per work order | | | | | | | | | | | | INVOICE INFORMATION PO# BILL TO: Shvi O'Connor SUBMISSION #: | | | | | | | | | | | |
| URS Contact: shvi_o'connor@urscorp.com | | | | | | | | | | | | CUSTODY SEALS (Y/N) | | | | | | | | | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | | | |
| See SOW <input checked="" type="checkbox"/> See QAPP <input type="checkbox"/> | | | | | | | | | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.2 | | | | | | | | | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | | | |

White and Yellow to lab

Pink - sample management

Cooler of



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

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PAGE 6 OF 13

| Project Name CMI Soil + Vegetation | | Project Number 22241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | |
|---|------------------|---|------|---|----------------------------|--------------|------------------|-----------------------------|------|------|-------|-------|-------|------------|------|------------|------------|-----------|---|
| Project Manager Marc Soellner | | Report CC sheri-o'connor@urscorp.com | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | FAX # (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5297 | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | |
| Sampler's Signature Liz Best | | Matrix | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | FOR LAB USE ONLY | DATE | TIME | MATRIX | Total Number of Containers | Total Metals | Dissolved Metals | Inorganic Suite (see notes) | VOCs | BTEX | TPH-G | TPH-D | SVOCs | Pesticides | PCBs | Explosives | PCDD/PCDFs | Herbicide | PRESERVATIVE |
| CVR3TR1-3-T03N-PLTFAW | | 05/02/10 | 1220 | 0 | 1 | X | | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 4°C 9. Other |
| CVR3TR1-3-T03N-PLTFBW | | 05/02/10 | 1225 | | | | | | | | | | | | | | | | |
| CVR3TR1-3-T04N-PLTSBW | | 05/02/10 | 1210 | | | | | | | | | | | | | | | | |
| CVR3TR1-3-T04N-PLTSAW | | 05/02/10 | 1200 | | | | | | | | | | | | | | | | |
| CVR3TR2-1-T03N-PLTFAW | | 04/29/10 | 1555 | | | | | | | | | | | | | | | | |
| CVR3TR2-1-T03N-PLTFBW | | 04/29/10 | 1605 | | | | | | | | | | | | | | | | |
| CVR3TR2-1-T04N-PLTSAW | | 04/29/10 | 1625 | | | | | | | | | | | | | | | | |
| CVR3TR2-1-T04N-PLTSBW | | 04/29/10 | 1630 | | | | | | | | | | | | | | | | |

SPECIAL INSTRUCTIONS/COMMENTS
Inorganic suite includes:

Matrix Key:
W = Water
S = Soil/Sediment
B = Biota
O = Other veg.

Container Key:
P = Plastic
G = Glass
C = Clear
A = Amber
V = Vial
Z = Ziploc bag
M = Multiple types

URS Contact: sheri-o'connor@urscorp.com

See SOW ☒ See QAPP ☐

TURNAROUND REQUIREMENTS
RUSH (surcharges apply)
24 hr 48 hr 5 day

X STANDARD
WORK ORDER
REQUESTED FAX DATE

REQUESTED REPORT DATE

REPORT REQUIREMENTS
I. Results Only
II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
III. Results + QC and Calibration Summaries
IV. Data Validation Report with Raw Data
Specialized Forms/Custom Report
Edata Yes No
per work order

INVOICE INFORMATION
PO#
BILL TO: Sheri O'Connor
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.2

| RELINQUISHED BY | | RECEIVED BY | |
|----------------------------|----------------------------|-----------------------|----------------------|
| Signature Liz Best | Signature VJ Pham | Signature Liz Best | Signature VJ Pham |
| Printed Name Liz Best | Printed Name VJ Pham | Printed Name | Printed Name |
| Firm URS | Firm TA Lab | Firm | Firm |
| Date/Time 05/03/10 1500 | Date/Time 05/04/10 1015 | Date/Time | Date/Time |

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White and Yellow to lab

Pink - sample management

Cooler of



Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR1TR3-2-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137205

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829219

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 31.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 31.6 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-2-T02D-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137205

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829220

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 30.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 30.9 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR32T03NPLTFAW

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137205

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829221

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 14.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 14.9 | |

Client Sample No.
CVR1TR32T03NPLTFAWR

% Solids: 17.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | Sample Result Conc. | Sample Result Qual. | Duplicate Sample Result Conc. | Duplicate Sample Result Qual. | RPD ¹ |
|--------|-----------------|---------------------|------------------|-------|---------------------|---------------------|-------------------------------|-------------------------------|------------------|
| IN623 | Solids, Percent | 05/13/10 | | % | 14.9 | | 17.9 | | 18 |

1 - Control Limit for RPD is +/- 20%, unless otherwise specified.

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR32T03NFLTFBW

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137205

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829222

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 36.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 36.1 | |

Client Sample No.
CVR1TR32T03NFLTFBWR

% Solids: 31.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | Sample Result Conc. | Sample Result Qual. | Duplicate Sample Result Conc. | Duplicate Sample Result Qual. | RPD ¹ |
|--------|-----------------|---------------------|------------------|-------|---------------------|---------------------|-------------------------------|-------------------------------|------------------|
| IN623 | Solids, Percent | 05/13/10 | | % | 36.1 | | 31.9 | | 12 |

1 - Control Limit for RPD is +/- 20%, unless otherwise specified.

WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR1TR3-3-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137205

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829223

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 30.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 30.9 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-3-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137205

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829224

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 33.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 33.4 | |

Sample Report Summary

CVR1TR3-3-T03N-PLTFA

% Solids: 21.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 21.3 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR1TR3-3-T03N-PLTFB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137205

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829226

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 38.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 38.7 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-1-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137205

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829227

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 32.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 32.2 | |

Sample Report Summary

CVR3TR1-1-T02N-PLTGB

% Solids: 33.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 33.0 | |

Sample Report Summary

CVR3TR1-2-T03N-PLTFA

% Solids: 20.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 20.2 | |

Sample Report Summary

CVR3TR1-2-T03N-PLTFB

% Solids: 26.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 26.6 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-2-T04N-PLTSA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137205

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829231

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 32.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 32.7 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR3TR1-2-T04N-PLTSB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137205

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829232

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 35.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 35.8 | |

Sample Report Summary

CVR3TR1-3-T02N-PLTGA

% Solids: 38.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 38.2 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-3-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137205

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829234

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 35.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 35.8 | |

Sample Report Summary

CVR3TR1-3-T03N-PLTFB

% Solids: 14.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 14.1 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-3-T04N-PLTSB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137205

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829237

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 28.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 28.9 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR1-3-T04N-PLTSA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137205

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829238

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 29.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/13/10 | | % | 1 | 0.10 | 29.5 | |



Supportive Documentation – Wet Chemistry



Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

| | | | | | | |
|-------------------------------------|---------|----------------|-----------------------------|------------------------------|----------------|------------------|
| Analysis Start Date: 5/13/2010 | | Oven ID: 2 | | Analysis End Date: 5/14/2010 | | |
| Analysis Start Time: 19:10 | | Time In: 20:00 | | Analysis End Time: 8:46 | | |
| Start Analyst: MNT | | Time Out: 8:22 | | End Analyst: AN | | |
| Start Analyst Signature: AN for MNT | | | | End Analyst Signature: AN | | |
| | | | | | | |
| LAB ID | Dish ID | Dish Weight | Weight of Dish + Wet Sample | Weight of Dish + Dry Sample | Percent Solids | Percent Moisture |
| | | (g) | (g) | (g) | (%) | (%) |
| 829212 | 31 | 1.02 | 4.83 | 1.93 | 23.9 | 76 |
| 829213 | 32 | 0.99 | 3.39 | 1.61 | 25.8 | 74 |
| 829219 | 33 | 1.01 | 4.49 | 2.11 | 31.6 | 68 |
| 829220 | 34 | 0.99 | 3.55 | 1.78 | 30.9 | 69 |
| 829221 | 35 | 1.03 | 2.77 | 1.29 | 14.9 | 85 |
| 829221DP | 36 | 1.00 | 2.68 | 1.30 | 17.9 | 82 |
| 829222 | 37 | 0.99 | 2.21 | 1.43 | 36.1 | 64 |
| 829222DP | 38 | 1.01 | 2.20 | 1.39 | 31.9 | 68 |
| 829223 | 39 | 1.00 | 3.59 | 1.80 | 30.9 | 69 |
| 829224 | 40 | 1.00 | 3.96 | 1.99 | 33.4 | 67 |
| 829225 | 41 | 1.03 | 3.10 | 1.47 | 21.3 | 79 |
| 829226 | 42 | 1.00 | 3.38 | 1.92 | 38.7 | 61 |
| 829227 | 43 | 0.97 | 2.40 | 1.43 | 32.2 | 68 |
| 829228 | 44 | 0.98 | 3.59 | 1.84 | 33.0 | 67 |
| 829229 | 45 | 1.00 | 2.98 | 1.40 | 20.2 | 80 |
| 829230 | 46 | 0.99 | 3.21 | 1.58 | 26.6 | 73 |
| 829231 | 47 | 1.00 | 3.17 | 1.71 | 32.7 | 67 |
| 829232 | 48 | 0.96 | 4.09 | 2.08 | 35.8 | 64 |
| 829233 | 49 | 0.98 | 2.55 | 1.58 | 38.2 | 62 |
| 829234 | 50 | 1.01 | 3.44 | 1.88 | 35.8 | 64 |
| 829235 | 51 | 0.98 | 2.87 | 1.38 | 21.2 | 79 |
| 829236 | 52 | 1.02 | 3.43 | 1.36 | 14.1 | 86 |
| 829237 | 53 | 0.98 | 4.34 | 1.95 | 28.9 | 71 |
| 829238 | 54 | 1.00 | 3.58 | 1.76 | 29.5 | 71 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Calculation: Percent Wet Weight =
$$\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205

SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|-----------------------|----------------|
| CVR1TR3-2-T02D-PLTGBW | 829220 |
| CVR1TR3-2-T02N-PLTGBW | 829219 |
| CVR1TR32T03NFLTFBW | 829222 |
| CVR1TR32T03NFLTFBWD | 829222DP |
| CVR1TR32T03NFLTFBWS | 829222MS |
| CVR1TR32T03NPLTFAW | 829221 |
| CVR1TR32T03NPLTFAWD | 829221DP |
| CVR1TR32T03NPLTFAWS | 829221MS |
| CVR1TR3-3-T02N-PLTGAW | 829223 |
| CVR1TR3-3-T02N-PLTGBW | 829224 |
| CVR1TR3-3-T03N-PLTFAW | 829225 |
| CVR1TR3-3-T03N-PLTFBW | 829226 |
| CVR3TR1-1-T02N-PLTGAW | 829227 |
| CVR3TR1-1-T02N-PLTGBW | 829228 |
| CVR3TR1-2-T03N-PLTFAW | 829229 |
| CVR3TR1-2-T03N-PLTFBW | 829230 |
| CVR3TR1-2-T04N-PLTSAW | 829231 |
| CVR3TR1-2-T04N-PLTSBW | 829232 |
| CVR3TR1-3-T02N-PLTGAW | 829233 |
| CVR3TR1-3-T02N-PLTGBW | 829234 |
| CVR3TR1-3-T03N-PLTFAW | 829235 |
| CVR3TR1-3-T03N-PLTFBW | 829236 |
| CVR3TR1-3-T04N-PLTSAW | 829238 |
| CVR3TR1-3-T04N-PLTSBW | 829237 |
| EQBLK01 | 829239 |

Were ICP interelement corrections applied? Yes/No YESWere ICP background corrections applied? Yes/No YESIf yes-were raw data generated before
application of background corrections? Yes/No NOComments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

COVER PAGE - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-2-T02D-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829220
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 30.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 18.8 | * | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse

Color After: pale yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-2-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829219
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 31.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 43.8 | | * | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: pale yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

-1-

EPA SAMPLE NO.

CVR1TR32T03NFLTFBW

| | | | | |
|----------------------|-------------------------------|----------------|-------------------|---|
| Lab Name: | <u>TestAmerica Burlington</u> | Contract: | <u>29000</u> | |
| Lab Code: | <u>STLVT</u> | Case No.: | <u>CMIS&V</u> | SAS No.: <u> </u> SDG No.: <u>137205</u> |
| Matrix (soil/water): | <u>TISSUE</u> | Lab Sample ID: | <u>829222</u> | |
| Level (low/med): | <u>LOW</u> | Date Received: | <u>5/4/2010</u> | |
| % Solids: | <u>36.1</u> | | | |

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 28.9 | | * | P |

| | | | | | |
|---------------|--------------|-----------------|---------|------------|---------------|
| Color Before: | <u>brown</u> | Clarity Before: | <u></u> | Texture: | <u>coarse</u> |
| Color After: | pale yellow | Clarity After: | clear | Artifacts: | roots |

Comments:

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR32T03NPLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829221
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 14.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 77.9 | | * | P |

Color Before: brown Clarity Before: _____ Texture: coarse
Color After: pale yellow Clarity After: clear Artifacts: grass

Comments: _____

_____Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-3-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829223
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 30.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 27.4 | | * | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: pale yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-3-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829224
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 33.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 19.8 | | * | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: pale yellow Clarity After: clear Artifacts: roots

Comments: _____

_____Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-3-T03N-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829225
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 21.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 43.8 | | * | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: pale yellow Clarity After: clear Artifacts: grass
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR1TR3-3-T03N-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829226
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 38.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 74.6 | | * | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: pale yellow Clarity After: clear Artifacts: roots

Comments: _____

_____Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-1-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829227
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 32.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 51.2 | | * | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: pale yellow Clarity After: clear Artifacts: grass
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-1-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829228
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 33.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 25.5 | | * | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: pale yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-2-T03N-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829229
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 20.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 51.7 | | * | P |

Color Before: green Clarity Before: Texture: coarse
Color After: pale yellow Clarity After: clear Artifacts: grass

Comments:

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-2-T03N-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829230
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 26.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 197 | | * | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: pale yellow Clarity After: clear Artifacts: roots

Comments: _____

_____Form I - IN

-1-

EPA SAMPLE NO.

CVR3TR1-2-T04N-PLTSAW

| | | | | | |
|----------------------|------------------------|-----------|-----------|----------------|-----------------|
| Lab Name: | TestAmerica Burlington | | Contract: | 29000 | |
| Lab Code: | STLVT | Case No.: | CMIS&V | SAS No.: | SDG No.: 137205 |
| Matrix (soil/water): | TISSUE | | | Lab Sample ID: | 829231 |
| Level (low/med): | LOW | | | Date Received: | 5/4/2010 |
| % Solids: | 32.7 | | | | |

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 23.9 | | * | P |

| | | | | | |
|---------------|--------------------|-----------------|-----------------------------|------------|---------------|
| Color Before: | <u>green</u> | Clarity Before: | <u> </u> | Texture: | <u>coarse</u> |
| Color After: | <u>pale yellow</u> | Clarity After: | <u>clear</u> | Artifacts: | <u>twigs</u> |

Comments:

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-2-T04N-PLTSBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829232
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 35.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 37.9 | | * | P |

Color Before: light brown Clarity Before: _____ Texture: coarseColor After: pale yellow Clarity After: clear Artifacts: rootsComments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-3-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829233
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 38.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 60.6 | | * | P |

Color Before: green Clarity Before: _____ Texture: coarseColor After: pale yellow Clarity After: clear Artifacts: grassComments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-3-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829234
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 35.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 51.9 | | * | P |

Color Before: light brown Clarity Before: _____ Texture: coarse

Color After: pale yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-3-T03N-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829235
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 21.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 88.2 | | * | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: pale yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR1-3-T03N-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829236
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 14.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 276 | | * | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: pale yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

-1-

EPA SAMPLE NO.

CVR3TR1-3-T04N-PLTSAW

Concentration Units (ug/L or mg/kg dry weight): MG/KG

-1-

EPA SAMPLE NO.

CVR3TR1-3-T04N-PLTSBW

| | | | | |
|----------------------|-------------------------------|-----------|-------------------|---|
| Lab Name: | <u>TestAmerica Burlington</u> | Contract: | <u>29000</u> | |
| Lab Code: | <u>STLVT</u> | Case No.: | <u>CMIS&V</u> | SAS No.: <u> </u> SDG No.: <u>137205</u> |
| Matrix (soil/water): | <u>TISSUE</u> | | Lab Sample ID: | <u>829237</u> |
| Level (low/med): | <u>LOW</u> | | Date Received: | <u>5/4/2010</u> |
| % Solids: | <u>28.9</u> | | | |

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 78.3 | | * | P |

| | | | | | |
|---------------|--------------------|-----------------|-----------------------------|------------|---------------|
| Color Before: | <u>light brown</u> | Clarity Before: | <u> </u> | Texture: | <u>coarse</u> |
| Color After: | <u>pale yellow</u> | Clarity After: | <u>clear</u> | Artifacts: | <u>roots</u> |

Comments:

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

EQBLK01

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Lab Sample ID: 829239
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.047 | U | * | P |

Color Before: colorless Clarity Before: clear Texture: _____Color After: pale yellow Clarity After: clear Artifacts: _____Comments: _____

Form I - IN



QC Summary – Metals

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Initial Calibration Source: Inorganic Ventures/Fisher
Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 516.60 | 103.3 | 200.0 | 200.90 | 100.4 | 198.20 | 99.1 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137205
Initial Calibration Source: Inorganic Ventures/Fisher
Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 197.60 | 98.8 | 196.20 | 98.1 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137205
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|-------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 196.60 | 98.3 | | | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | | |
|------------|------|-------|----|-----------------------|-------|-------|-------|----|--|
| | True | Found | %R | Initial | | | Final | | |
| | | | | True | Found | %R | Found | %R | |
| Molybdenum | | | | 10.0 | 13.34 | 133.4 | | | |

Control Limits: no limits have been established by EPA at this time

Form IIB-IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137205

Preparation Blank Matrix (soil/water): SOLID

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | |
|------------|--------------------------------------|--|-----|-----|--|--|-------|----------------------|--|
| | | 1 | 2 | 3 | | | | | |
| | | | | | | | | | |
| Molybdenum | 2.0 | 0.9 | 0.5 | 0.5 | | | 0.047 | | |

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137205

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|------------|--------------------------------------|--|---|-----|---|---|---|----------------------|---|---|
| | | 1 | C | 2 | C | 3 | C | | | |
| Molybdenum | | 0.5 | U | 0.5 | B | | | | | P |

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205ICP ID Number: TJA ICAP 7 ICS Source: Inorganic VenturesConcentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|-------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | 0 | 992.3 | 100.6 | | | |

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR1TR32T03NPLTFAWS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 14.9Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|---------------------|------|---|---|
| Molybdenum | 80 - 120 | 390.6815 | 77.8628 | 322.66 | 96.9 | | P |

Comments:

Form V (PART 1) - IN

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR1TR32T03NFLTFBWS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 36.1Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|---------------------|-------|---|---|
| Molybdenum | 80 - 120 | 163.1501 | 28.8842 | 129.44 | 103.7 | | P |

Comments:

Form V (PART 1) - IN

USEPA-CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR1TR32T03NPLTFAWA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205Matrix (soil/water): TISSUE Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added(SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|--------------------|-------|---|---|
| Molybdenum | | 660.40 | | 148.50 | | 500.0 | 102.4 | | P |

Comments: _____

USEPA-CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR1TR32T03NFLTFBWA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205Matrix (soil/water): TISSUE Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added(SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|--------------------|-------|---|---|
| Molybdenum | | 607.90 | 107.40 | 500.0 | 100.1 | | P |

Comments: _____

Form V (PART 2) - IN

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR1TR32T03NPLTFAWD

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205

Matrix (soil/water): TISSUE Level (low/med): LOW

% Solids for Sample: 14.9 % Solids for Duplicate: 17.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) C | Duplicate (D) C | RPD | Q | M |
|------------|------------------|--------------|-----------------|-----|---|---|
| Molybdenum | | 77.8628 | 78.4207 | 0.7 | | P |

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR1TR32T03NFLTFBWD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 36.1 % Solids for Duplicate: 31.9Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) C | Duplicate (D) C | RPD | Q | M |
|------------|---------------|--------------|-----------------|------|---|---|
| Molybdenum | | 28.8842 | 38.7279 | 29.1 | * | P |

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137205Solid LCS Source: Inorganic VenturesAqueous LCS Source:

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | |
|------------|----------------|-------|----|---------------|-------|---|-------------|-------|
| | True | Found | %R | True | Found | C | Limits | %R |
| Molybdenum | | | | 50.0 | 50.6 | | 40.0 60.0 | 101.2 |

Form VII - IN

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

CVR1TR32T03NPLTFAWL

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205Matrix (soil/water): TISSUE Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) C | Serial Dilution Result (S) C | % Differ- ence | Q | M |
|------------|-----------------------------------|------------------------------------|-------------------|---|---|
| Molybdenum | 148.50 | 144.20 | 2.9 | | P |

Form IX - IN

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

CVR1TR32T03NFLTFBWL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
Matrix (soil/water): TISSUE Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) | | Serial Dilution Result (S) | | % Differ- ence | Q | M |
|------------|------------------------------|--|-------------------------------|--|-------------------|---|---|
| | C | | C | | | | |
| Molybdenum | 107.40 | | 105.50 | | 1.8 | | P |

USEPA-CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205

ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|------------|------------------|-------------|-------------|------------|---|
| Molybdenum | 202.030 | | 10 | 0.47 | P |

Comments:

Form X - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137205

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205

ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments:

Form XII - IN

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205Method: P

| EPA Sample No. | Preparation Date | Initial Volume mL | Volume (mL) |
|----------------------|---------------------|----------------------|----------------|
| CVR1TR3-2-T02D-PLTGB | 5/18/2010 | 1.05 | 100.0 |
| CVR1TR3-2-T02N-PLTGB | 5/18/2010 | 1.15 | 100.0 |
| CVR1TR32T03NPLTFBW | 5/18/2010 | 1.03 | 100.0 |
| CVR1TR32T03NPLTFBWD | 5/18/2010 | 1.04 | 100.0 |
| CVR1TR32T03NPLTFBWS | 5/18/2010 | 1.07 | 100.0 |
| CVR1TR32T03NPLTFAW | 5/18/2010 | 1.28 | 100.0 |
| CVR1TR32T03NPLTFAWD | 5/18/2010 | 1.11 | 100.0 |
| CVR1TR32T03NPLTFAWS | 5/18/2010 | 1.04 | 100.0 |
| CVR1TR3-3-T02N-PLTGA | 5/18/2010 | 1.04 | 100.0 |
| CVR1TR3-3-T02N-PLTGB | 5/18/2010 | 1.29 | 100.0 |
| CVR1TR3-3-T03N-PLTFA | 5/18/2010 | 1.08 | 100.0 |
| CVR1TR3-3-T03N-PLTFB | 5/18/2010 | 1.14 | 100.0 |
| CVR3TR1-1-T02N-PLTGA | 5/18/2010 | 1.04 | 100.0 |
| CVR3TR1-1-T02N-PLTGB | 5/18/2010 | 1.19 | 100.0 |
| CVR3TR1-2-T03N-PLTFA | 5/18/2010 | 1.09 | 100.0 |
| CVR3TR1-2-T03N-PLTFB | 5/18/2010 | 1.11 | 100.0 |
| CVR3TR1-2-T04N-PLTSA | 5/18/2010 | 1.10 | 100.0 |
| CVR3TR1-2-T04N-PLTSE | 5/18/2010 | 1.02 | 100.0 |
| CVR3TR1-3-T02N-PLTGA | 5/18/2010 | 1.09 | 100.0 |
| CVR3TR1-3-T02N-PLTGB | 5/18/2010 | 1.19 | 100.0 |
| CVR3TR1-3-T03N-PLTFA | 5/18/2010 | 1.30 | 100.0 |
| CVR3TR1-3-T03N-PLTFB | 5/18/2010 | 1.29 | 100.0 |
| CVR3TR1-3-T04N-PLTSA | 5/18/2010 | 1.27 | 100.0 |
| CVR3TR1-3-T04N-PLTSE | 5/18/2010 | 1.36 | 100.0 |
| EQBLK01 | 5/18/2010 | 1.00 | 100.0 |
| LCSS051810C | 5/18/2010 | 1.00 | 100.0 |
| PBS051810C | 5/18/2010 | 1.00 | 100.0 |

ANALYSIS RUN LOG

End Date: 5/20/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|---|--------|--------|--|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K | S E | A G | N A | T L | V | Z N | C N | | | | |
| S0 | 1.00 | 1108 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD7 | 1.00 | 1112 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 1116 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 1120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1124 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICB | 1.00 | 1128 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSA | 1.00 | 1132 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSAB | 1.00 | 1136 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CRI | 1.00 | 1139 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1143 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1147 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PBS051810C | 1.00 | 1151 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LCSS051810C | 1.00 | 1155 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR3-2-T02N-PLTG | 1.00 | 1159 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR3-2-T02D-PLTG | 1.00 | 1203 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFAW | 1.00 | 1207 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFAWL | 5.00 | 1211 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFAWA | 1.00 | 1214 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFAWS | 1.00 | 1218 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFAWD | 1.00 | 1222 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR32T03NFLTFBW | 1.00 | 1226 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1230 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1234 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR32T03NFLTFBWL | 5.00 | 1238 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR32T03NFLTFBWA | 1.00 | 1242 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR32T03NFLTFBWS | 1.00 | 1246 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR32T03NFLTFBWD | 1.00 | 1250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR3-3-T02N-PLTG | 1.00 | 1253 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR3-3-T02N-PLTG | 1.00 | 1257 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR3-3-T03N-PLTF | 1.00 | 1301 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1TR3-3-T03N-PLTF | 1.00 | 1305 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR1-1-T02N-PLTG | 1.00 | 1309 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR1-1-T02N-PLTG | 1.00 | 1313 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1317 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1321 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR1-2-T03N-PLTF | 1.00 | 1325 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR1-2-T03N-PLTF | 1.00 | 1329 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR1-2-T04N-PLTS | 1.00 | 1333 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Form XIV - IN

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137205
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/20/2010 End Date: 5/20/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|---|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K S | A E | N G | A L | T V | Z N | C N | | | | | |
| CVR3TR1-2-T04N-PLTS | 1.00 | 1336 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CVR3TR1-3-T02N-PLTG | 1.00 | 1340 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CVR3TR1-3-T02N-PLTG | 1.00 | 1344 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CVR3TR1-3-T03N-PLTF | 1.00 | 1348 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CVR3TR1-3-T03N-PLTF | 1.00 | 1352 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CVR3TR1-3-T04N-PLTS | 1.00 | 1356 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CVR3TR1-3-T04N-PLTS | 1.00 | 1400 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CCV | 1.00 | 1404 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CCB | 1.00 | 1408 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| EQBLK01 | 1.00 | 1411 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CCV | 1.00 | 1415 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CCB | 1.00 | 1419 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137205
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/20/2010 End Date: 5/20/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|--|--|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I | | |
| S0 | 1.00 | 11:08 | | | | | X | | | | | | | | | | | | | | |
| STD7 | 1.00 | 11:12 | | | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 11:16 | | | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 11:20 | | | | | X | | | | | | | | | | | | | | |
| ICV | 1.00 | 11:24 | | | | | X | | | | | | | | | | | | | | |
| ICB | 1.00 | 11:28 | | | | | X | | | | | | | | | | | | | | |
| ICSA | 1.00 | 11:32 | | | | | X | | | | | | | | | | | | | | |
| ICSAB | 1.00 | 11:36 | | | | | X | | | | | | | | | | | | | | |
| CRI | 1.00 | 11:39 | | | | | X | | | | | | | | | | | | | | |
| CCV | 1.00 | 11:43 | | | | | X | | | | | | | | | | | | | | |
| CCB | 1.00 | 11:47 | | | | | X | | | | | | | | | | | | | | |
| PBS051810C | 1.00 | 11:51 | | | | | X | | | | | | | | | | | | | | |
| LCSS051810C | 1.00 | 11:55 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR3-2-T02N-PLT | 1.00 | 11:59 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR3-2-T02D-PLT | 1.00 | 12:03 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFAW | 1.00 | 12:07 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFAW | 5.00 | 12:11 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFAW | 1.00 | 12:14 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFAW | 1.00 | 12:18 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFAW | 1.00 | 12:22 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFBW | 1.00 | 12:26 | | | | | X | | | | | | | | | | | | | | |
| CCV | 1.00 | 12:30 | | | | | X | | | | | | | | | | | | | | |
| CCB | 1.00 | 12:34 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFBW | 5.00 | 12:38 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFBW | 1.00 | 12:42 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFBW | 1.00 | 12:46 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR32T03NPLTFBW | 1.00 | 12:50 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR3-3-T02N-PLT | 1.00 | 12:53 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR3-3-T02N-PLT | 1.00 | 12:57 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR3-3-T03N-PLT | 1.00 | 13:01 | | | | | X | | | | | | | | | | | | | | |
| CVR1TR3-3-T03N-PLT | 1.00 | 13:05 | | | | | X | | | | | | | | | | | | | | |
| CVR3TR1-1-T02N-PLT | 1.00 | 13:09 | | | | | X | | | | | | | | | | | | | | |
| CVR3TR1-1-T02N-PLT | 1.00 | 13:13 | | | | | X | | | | | | | | | | | | | | |
| CCV | 1.00 | 13:17 | | | | | X | | | | | | | | | | | | | | |
| CCB | 1.00 | 13:21 | | | | | X | | | | | | | | | | | | | | |

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137205
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/20/2010 End Date: 5/20/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|--|--|--|--|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I | | | | |
| CVR3TR1-2-T03N-PLT | 1.00 | 13:25 | | | | | X | | | | | | | | | | | | | | | | |
| CVR3TR1-2-T03N-PLT | 1.00 | 13:29 | | | | | X | | | | | | | | | | | | | | | | |
| CVR3TR1-2-T04N-PLT | 1.00 | 13:33 | | | | | X | | | | | | | | | | | | | | | | |
| CVR3TR1-2-T04N-PLT | 1.00 | 13:36 | | | | | X | | | | | | | | | | | | | | | | |
| CVR3TR1-3-T02N-PLT | 1.00 | 13:40 | | | | | X | | | | | | | | | | | | | | | | |
| CVR3TR1-3-T02N-PLT | 1.00 | 13:44 | | | | | X | | | | | | | | | | | | | | | | |
| CVR3TR1-3-T03N-PLT | 1.00 | 13:48 | | | | | X | | | | | | | | | | | | | | | | |
| CVR3TR1-3-T03N-PLT | 1.00 | 13:52 | | | | | X | | | | | | | | | | | | | | | | |
| CVR3TR1-3-T04N-PLT | 1.00 | 13:56 | | | | | X | | | | | | | | | | | | | | | | |
| CVR3TR1-3-T04N-PLT | 1.00 | 14:00 | | | | | X | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 14:04 | | | | | X | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 14:08 | | | | | X | | | | | | | | | | | | | | | | |
| EQBLK01 | 1.00 | 14:11 | | | | | X | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 14:15 | | | | | X | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 14:19 | | | | | X | | | | | | | | | | | | | | | | |



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: TFS

Date: 5/20/2010

Reviewed by: TFS

Date: 5/20/10

QC Review by: B2

Date: 05/24/10

TJA ICAP 7

ICP METALS 6010 B

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis Date | Time | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----------------|---------------|----------|----|--------|---------------|------------|------------------|
| 1. CalibStd-Blk | 5/20/2010 | 11:08:50 | 1 | WATER | 052010-01.txt | | +mo |
| 2. STD7 | 5/20/2010 | 11:12:44 | 1 | WATER | 052010-01.txt | | |
| 3. STD8 | 5/20/2010 | 11:16:37 | 1 | WATER | 052010-01.txt | | |
| 4. STD4 | 5/20/2010 | 11:20:34 | 1 | WATER | 052010-01.txt | | |
| 5. ICV1 | 5/20/2010 | 11:24:33 | 1 | WATER | 052010-01.txt | | |
| 6. ICB1 | 5/20/2010 | 11:28:28 | 1 | WATER | 052010-01.txt | | |
| 7. ICSA1 | 5/20/2010 | 11:32:23 | 1 | WATER | 052010-01.txt | | |
| 8. ICSAB1 | 5/20/2010 | 11:36:11 | 1 | WATER | 052010-01.txt | | |
| 9. CRI1 | 5/20/2010 | 11:39:58 | 1 | WATER | 052010-01.txt | | |
| 10. CCV1 | 5/20/2010 | 11:43:50 | 1 | WATER | 052010-01.txt | | |
| 11. CCB1 | 5/20/2010 | 11:47:38 | 1 | WATER | 052010-01.txt | | |
| 12. PBS051810C | 5/20/2010 | 11:51:32 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 13. LCSS051810C | 5/20/2010 | 11:55:25 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 14. 829219 | 5/20/2010 | 11:59:18 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 15. 829220 | 5/20/2010 | 12:03:10 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 16. 829221 | 5/20/2010 | 12:07:01 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 17. 829221L | 5/20/2010 | 12:11:01 | 5 | WATER | 052010-01.txt | PBICPS0518 | |
| 18. 829221A | 5/20/2010 | 12:14:56 | 1 | WATER | 052010-01.txt | PBICPS0518 | |
| 19. 829221MS | 5/20/2010 | 12:18:51 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 20. 829221DP | 5/20/2010 | 12:22:45 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 21. 829222 | 5/20/2010 | 12:26:44 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 22. CCV2 | 5/20/2010 | 12:30:37 | 1 | WATER | 052010-01.txt | | |
| 23. CCB2 | 5/20/2010 | 12:34:26 | 1 | WATER | 052010-01.txt | | |
| 24. 829222L | 5/20/2010 | 12:38:21 | 5 | WATER | 052010-01.txt | PBICPS0518 | |
| 25. 829222A | 5/20/2010 | 12:42:14 | 1 | WATER | 052010-01.txt | PBICPS0518 | |
| 26. 829222MS | 5/20/2010 | 12:46:09 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 27. 829222DP | 5/20/2010 | 12:50:04 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 28. 829223 | 5/20/2010 | 12:53:58 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 29. 829224 | 5/20/2010 | 12:57:52 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 30. 829225 | 5/20/2010 | 13:01:43 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 31. 829226 | 5/20/2010 | 13:05:43 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 32. 829227 | 5/20/2010 | 13:09:35 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 33. 829228 | 5/20/2010 | 13:13:28 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 34. CCV3 | 5/20/2010 | 13:17:19 | 1 | WATER | 052010-01.txt | | |
| 35. CCB3 | 5/20/2010 | 13:21:08 | 1 | WATER | 052010-01.txt | | |
| 36. 829229 | 5/20/2010 | 13:25:04 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 37. 829230 | 5/20/2010 | 13:29:02 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 38. 829231 | 5/20/2010 | 13:33:01 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 39. 829232 | 5/20/2010 | 13:36:54 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 40. 829233 | 5/20/2010 | 13:40:48 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 41. 829234 | 5/20/2010 | 13:44:42 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 42. 829235 | 5/20/2010 | 13:48:36 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 43. 829236 | 5/20/2010 | 13:52:35 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 44. 829237 | 5/20/2010 | 13:56:27 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 45. 829238 | 5/20/2010 | 14:00:21 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |

TestAmerica Burlington

Runlog Review Report

Analyzed by: TFS Date: 5/20/2010
Reviewed by: _____ Date: _____
QC Review by: _____ Date: _____

TJA ICAP 7

ICP METALS 6010

QC use: Cal#: _____ Prep# _____ Inst#: _____

| Seq Sample ID | Analysis | | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|---------------|-----------|----------|----|--------|---------------|------------|------------------|
| | Date | Time | | | | | |
| 46.CCV4 | 5/20/2010 | 14:04:14 | 1 | WATER | 052010-01.txt | | |
| 47.CCB4 | 5/20/2010 | 14:08:02 | 1 | WATER | 052010-01.txt | | |
| 48.829239 | 5/20/2010 | 14:11:57 | 1 | SOIL | 052010-01.txt | PBICPS0518 | |
| 49.CCV5 | 5/20/2010 | 14:15:52 | 1 | WATER | 052010-01.txt | | |
| 50.CCB5 | 5/20/2010 | 14:19:42 | 1 | WATER | 052010-01.txt | | |

Analytical Review Report

Data File: 052010-01.txt

Date Printed: 5/20/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/20/2010

Analysis End Date: 5/20/2010

Start Time: 11:08:5

End Time: 14:19:4

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|---------|----------|-------|--------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 1820.00 | 0.0000 | | | | |
| STD4 | 1 | | 0.817 | 0.000 | 0.000 | 0.47 | 0.82 | | | | |
| ICV1 | 1 | PASS | 516.600 | 516.400 | 516.800 | 0.05 | 516.60 | 103.3 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 2.005 | 2.528 | 1.483 | 36.83 | 2.0 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | -0.056 | 0.119 | -0.231 | 442.20 | 0 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 992.300 | 989.000 | 995.600 | 0.47 | 992.3 | 100.6 | 986 | 80 | 120 |
| CRI1 | 1 | PASS | 13.340 | 13.630 | 13.050 | 3.05 | 13.34 | 133.4 | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 200.900 | 200.500 | 201.400 | 0.32 | 200.90 | 100.4 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.886 | 0.844 | 0.929 | 6.82 | 0.9 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 198.200 | 197.500 | 198.900 | 0.48 | 198.20 | 99.1 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.419 | 0.776 | 0.063 | 120.20 | 0.4 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 197.600 | 197.600 | 197.500 | 0.06 | 197.60 | 98.8 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.004 | 0.206 | -0.197 | 6383.00 | 0.0 | | | | +/-10.00 |
| CCV4 | 1 | PASS | 196.200 | 195.800 | 196.600 | 0.29 | 196.20 | 98.1 | 200.0 | 90 | 110 |
| CCB4 | 1 | PASS | -0.016 | 0.193 | -0.225 | 1851.00 | 0.0 | | | | +/-10.00 |
| CCV5 | 1 | PASS | 196.600 | 196.700 | 196.500 | 0.07 | 196.60 | 98.3 | 200.0 | 90 | 110 |
| CCB5 | 1 | PASS | 0.485 | 0.609 | 0.361 | 36.11 | 0.5 | | | | +/-10.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS051810C | 1 | PASS | 0.117 | 0.329 | -0.095 | 256.10 | 0.012 | | | | +/-10.00 |
| LCSS051810C | 1 | PASS | 506.100 | 504.700 | 507.500 | 0.39 | 506.0 | 101.2 | 50.0 | 40.0 | 60.0 |
| 829219 | 1 | PASS | 159.300 | 158.800 | 159.700 | 0.38 | 43.8 | | | | |
| 829220 | 1 | PASS | 61.110 | 61.180 | 61.050 | 0.15 | 18.8 | | | | |
| 829221 | 1 | PASS | 148.500 | 148.400 | 148.600 | 0.08 | 77.9 | | | | |
| 829221L | 5 | PASS | 144.200 | 145.100 | 143.300 | 0.91 | 144.20 | | | | |
| 829221A | 1 | PASS | 660.400 | 658.600 | 662.200 | 0.38 | 660.40 | 102.4 | 500.0 | 80 | 120 |
| 829221MS | 1 | PASS | 605.400 | 604.200 | 606.700 | 0.29 | 390.6815 | 96.9 | 322.66 | 80 | 120 |
| 829221DP | 1 | PASS | 129.700 | 129.800 | 129.600 | 0.11 | 78.4207 | | | | |
| 829222 | 1 | PASS | 107.400 | 107.100 | 107.700 | 0.36 | 28.9 | | | | |
| 829222L | 5 | PASS | 105.500 | 106.300 | 104.700 | 1.08 | 105.50 | | | | |
| 829222A | 1 | PASS | 607.900 | 607.900 | 608.000 | 0.00 | 607.90 | 100.1 | 500.0 | 80 | 120 |
| 829222MS | 1 | PASS | 630.200 | 628.600 | 631.900 | 0.37 | 163.1501 | 103.7 | 129.44 | 80 | 120 |
| 829222DP | 1 | FAIL | 145.400 | 144.600 | 146.200 | 0.78 | 38.7279 | | | | |
| 829223 | 1 | PASS | 88.050 | 88.120 | 87.980 | 0.11 | 27.4 | | | | |
| 829224 | 1 | PASS | 85.520 | 85.340 | 85.690 | 0.29 | 19.8 | | | | |
| 829225 | 1 | PASS | 100.700 | 100.500 | 100.900 | 0.26 | 43.8 | | | | |
| 829226 | 1 | PASS | 329.300 | 328.600 | 330.100 | 0.33 | 74.6 | | | | |
| 829227 | 1 | PASS | 171.500 | 171.300 | 171.700 | 0.19 | 51.2 | | | | |
| 829228 | 1 | PASS | 100.300 | 100.000 | 100.500 | 0.35 | 25.5 | | | | |
| 829229 | 1 | PASS | 113.900 | 113.600 | 114.100 | 0.31 | 51.7 | | | | |
| 829230 | 1 | PASS | 582.400 | 582.000 | 582.800 | 0.09 | 197 | | | | |
| 829231 | 1 | PASS | 85.980 | 86.710 | 85.260 | 1.19 | 23.9 | | | | |
| 829232 | 1 | PASS | 138.300 | 138.100 | 138.500 | 0.20 | 37.9 | | | | |
| 829233 | 1 | PASS | 252.500 | 252.200 | 252.900 | 0.19 | 60.6 | | | | |
| 829234 | 1 | PASS | 221.200 | 221.900 | 220.600 | 0.42 | 51.9 | | | | |
| 829235 | 1 | PASS | 243.100 | 241.700 | 244.400 | 0.77 | 88.2 | | | | |
| 829236 | 1 | PASS | 502.000 | 501.500 | 502.600 | 0.15 | 276 | | | | |
| 829237 | 1 | PASS | 307.600 | 307.300 | 307.900 | 0.14 | 78.3 | | | | |
| 829238 | 1 | PASS | 99.480 | 99.830 | 99.130 | 0.49 | 26.6 | | | | |
| 829239 | 1 | PASS | 0.106 | 0.465 | -0.254 | 480.40 | 0.011 | | | | |

0.47
50,000
PAA 052410

Sample Name: CalibStd-Blk Acquired: 5/20/2010 11:08:50 Type: Cal
 Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0069 | -0.0009 | .0006 | .0001 | .0000 |
| Stddev | .0026 | .0009 | .0002 | .0003 | .0000 |
| %RSD | 38.12 | 100.5 | 43.45 | 540.4 | 70.17 |
| #1 | -0.0050 | -0.0003 | .0007 | -0.0002 | .0001 |
| #2 | -0.0088 | -0.0016 | .0004 | .0003 | .0000 |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0022 | -0.0008 | -0.0033 | -0.0038 | -0.0007 |
| Stddev | .0020 | .0003 | .0002 | .0007 | .0001 |
| %RSD | 90.59 | 42.49 | 4.691 | 17.22 | 15.99 |
| #1 | -0.0008 | -0.0011 | -0.0034 | -0.0033 | -0.0006 |
| #2 | -0.0036 | -0.0006 | -0.0032 | -0.0042 | -0.0008 |
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0599 | -0.0075 | -0.0342 | .0004 | .0014 |
| Stddev | .0030 | .0006 | .0012 | .0006 | .0009 |
| %RSD | 5.085 | 8.186 | 3.617 | 129.9 | 61.53 |
| #1 | .0578 | -0.0070 | -0.0351 | .0000 | .0008 |
| #2 | .0621 | -0.0079 | -0.0333 | .0008 | .0020 |

Sample Name: CalibStd-Blk Acquired: 5/20/2010 11:08:50 Type: Cal
 Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|---------------|----------------|----------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0000 | -0.0323 | .0037 | -0.0003 | -0.0066 |
| Stddev | .0002 | .0008 | .0002 | .0001 | .0059 |
| %RSD | 1820. | 2.492 | 5.637 | 22.79 | 88.61 |
| #1 | -0.0001 | -.0317 | .0036 | -0.0004 | -0.0025 |
| #2 | .0001 | -.0328 | .0039 | -0.0003 | -.0108 |
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0000 | .0018 | .0697 | .0003 | .0139 |
| Stddev | .000 | .0003 | .0010 | .0000 | .0040 |
| %RSD | 489.5 | 15.57 | 1.375 | 6.869 | 28.82 |
| #1 | .0001 | .0020 | .0704 | .0003 | .0167 |
| #2 | -0.0001 | .0016 | .0690 | .0003 | .0110 |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | |
| Avg | -0.0105 | -0.0026 | -0.0082 | .0032 | |
| Stddev | .0019 | .0020 | .0001 | .0001 | |
| %RSD | 17.92 | 77.31 | 1.390 | 4.255 | |
| #1 | -0.0118 | -0.0012 | -0.0081 | .0031 | |
| #2 | -0.0092 | -0.0040 | -0.0083 | .0033 | |

Sample Name: CalibStd-Blk Acquired: 5/20/2010 11:08:50 Type: Cal
 Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 424.75 | 3701.3 | 3792.1 | 4902.3 |
| Stddev | 2.80 | 5.3 | 8.1 | 35.4 |
| %RSD | .65969 | .14375 | .21345 | .72265 |
| #1 | 426.73 | 3697.6 | 3797.8 | 4927.3 |
| #2 | 422.76 | 3705.1 | 3786.4 | 4877.2 |

Analyst: JFS

Sample Name: STD7 Acquired: 5/20/2010 11:12:44 Type: Cal
Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 (85) | 318.128 (106) | 271.441 (124)2 | 766.490 (44) | 279.079 (121) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.716 | .8130 | 9.030 | 1.743 | .9553 |
| Stddev | .006 | .0010 | .006 | .002 | .0039 |
| %RSD | .2355 | .1170 | .0647 | .1219 | .4082 |
| #1 | 2.711 | .8137 | 9.025 | 1.741 | .9526 |
| #2 | 2.720 | .8123 | 9.034 | 1.744 | .9581 |

| | |
|--------|---------------|
| Elem | Na-LL |
| Line | 589.592 (57) |
| IS Ref | (Y_HWRD) |
| Units | Cts/S |
| Avg | 5.812 |
| Stddev | .016 |
| %RSD | .2665 |
| #1 | 5.801 |
| #2 | 5.823 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_HWRD |
| Line | 224.306 (150) | 371.030 (91) |
| Units | Cts/S | Cts/S |
| Avg | 3652.6 | 4928.8 |
| Stddev | 12.5 | 23.5 |
| %RSD | .34267 | .47762 |
| #1 | 3643.8 | 4945.4 |
| #2 | 3661.5 | 4912.1 |

Sample Name: STD8 Acquired: 5/20/2010 11:16:37 Type: Cal
Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|-----------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 (479) | 220.353 (453) | 206.833 (463) | 196.090 (472) | 189.989 (477)2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0593 | 2.960 | .0762 | .0440 | .1844 |
| Stddev | .0001 | .008 | .0002 | .0002 | .0002 |
| %RSD | .1239 | .2564 | .2101 | .3860 | .1116 |
| #1 | .0594 | 2.955 | .0763 | .0439 | .1843 |
| #2 | .0593 | 2.965 | .0761 | .0442 | .1845 |
| Elem | Tl-LL | | | | |
| Line | 190.856 (477) | | | | |
| IS Ref | (In2306) | | | | |
| Units | Cts/S | | | | |
| Avg | .9584 | | | | |
| Stddev | .0040 | | | | |
| %RSD | .4151 | | | | |
| #1 | .9556 | | | | |
| #2 | .9612 | | | | |
| Int. Std. | In2306 | Y_-LWAX | | | |
| Line | 230.606 (446) | 224.306 (450) | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 431.80 | 3910.2 | | | |
| Stddev | 2.03 | 19.0 | | | |
| %RSD | .46986 | .48682 | | | |
| #1 | 430.37 | 3896.8 | | | |
| #2 | 433.24 | 3923.7 | | | |

Sample Name: STD4 Acquired: 5/20/2010 11:20:34 Type: Cal
 Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | B -LL | Ba-LL | Be-LL | Cd-HL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 208.959 {461} | 233.527 {144} | 313.042 {108} | 228.802 {447} |
| IS Ref | (Y_HWAX) | (Y_-LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.325 | .3455 | .0990 | 2.569 | .9189 |
| Stddev | .003 | .0001 | .0003 | .008 | .0003 |
| %RSD | .1194 | .0240 | .3144 | .3046 | .0370 |
| #1 | 2.327 | .3455 | .0992 | 2.574 | .9186 |
| #2 | 2.323 | .3456 | .0987 | 2.563 | .9191 |

| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
|--------|---------------|---------------|----------------|----------------|---------------|
| Line | 228.616 {447} | 205.552 {464} | 324.754 {104}2 | 257.610 {131}2 | 202.030 {467} |
| IS Ref | (Y_-LWAX) | (Y_-LWAX) | (Y_HWAX) | (Y_HWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .9864 | 1.520 | 7.282 | 24.27 | .8174 |
| Stddev | .0007 | .002 | .012 | .00 | .0039 |
| %RSD | .0731 | .1250 | .1685 | .0005 | .4732 |
| #1 | .9859 | 1.518 | 7.290 | 24.27 | .8146 |
| #2 | .9869 | 1.521 | 7.273 | 24.27 | .8201 |

| Elem | Ni-LL | P -HL | Si-LL | Sr-LL | Ti-LL |
|--------|---------------|---------------|---------------|---------------|----------------|
| Line | 231.604 {445} | 178.284 {489} | 288.158 {117} | 407.771 { 83} | 334.904 {101}2 |
| IS Ref | (Y_-LWAX) | (Y_-LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .5815 | .0778 | 4.745 | 73.58 | 5.283 |
| Stddev | .0004 | .0001 | .009 | .45 | .002 |
| %RSD | .0691 | .0939 | .1817 | .6082 | .0333 |
| #1 | .5812 | .0778 | 4.751 | 73.89 | 5.285 |
| #2 | .5818 | .0779 | 4.739 | 73.26 | 5.282 |

Sample Name: STD4 Acquired: 5/20/2010 11:20:34 Type: Cal
 Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | V_-LL | Zn-LL2 |
|--------|----------------|---------------|
| Line | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S |
| Avg | 3.445 | 3.378 |
| Stddev | .004 | .004 |
| %RSD | .1220 | .1294 |
| #1 | 3.442 | 3.375 |
| #2 | 3.448 | 3.382 |

| Int. Std. | Y_HWAX | Y_-LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|
| Line | 224.306 {150} | 224.306 {450} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 3815.2 | 3955.7 | 5071.1 |
| Stddev | 13.3 | 9.8 | 54.8 |
| %RSD | .34985 | .24847 | 1.0814 |
| #1 | 3824.7 | 3948.8 | 5032.3 |
| #2 | 3805.8 | 3962.7 | 5109.9 |

Sample Name: ICV Acquired: 5/20/2010 11:24:33 Type: QC
Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 486.3 | 26370. | 260.3 | 502.3 | 492.9 |
| Stddev | 1.9 | 4. | 2.0 | .7 | 5.8 |
| %RSD | .3867 | .0164 | .7783 | .1298 | 1.169 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 485.0 | 26360. | 258.8 | 502.7 | 488.8 |
| #2 | 487.7 | 26370. | 261.7 | 501.8 | 497.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 512.7 | 25670. | 485.7 | 483.3 | 492.5 |
| Stddev | 1.0 | 235. | 4 | .1 | 4 |
| %RSD | .2005 | .9164 | .0868 | .0237 | .0802 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 512.0 | 25500. | 486.0 | 483.4 | 492.2 |
| #2 | 513.4 | 25830. | 485.4 | 483.2 | 492.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/20/2010 11:24:33 Type: QC
Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 471.6 | 26260. | 26060. | 25220. | 480.8 |
| Stddev | 1.7 | 115. | 106. | 112. | 1.9 |
| %RSD | .3623 | .4380 | .4046 | .4427 | .4036 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 470.4 | 26180. | 26140. | 25140. | 479.4 |
| #2 | 472.8 | 26340. | 25990. | 25300. | 482.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 516.6 | 25430. | 474.6 | 519.5 | 1020. |
| Stddev | .3 | 62. | .5 | .8 | 1. |
| %RSD | .0505 | .2445 | .1133 | .1448 | .0772 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 516.4 | 25390. | 474.2 | 519.0 | 1021. |
| #2 | 516.8 | 25480. | 474.9 | 520.1 | 1020. |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/20/2010 11:24:33 Type: QC
Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 252.2 | 251.1 | 268.0 | 236.6 | 490.0 |
| Stddev | .7 | 3.8 | .1 | 1.2 | 3.5 |
| %RSD | .2925 | 1.530 | .0360 | .5248 | .7193 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 252.7 | 248.4 | 267.9 | 235.7 | 487.6 |
| #2 | 251.7 | 253.9 | 268.0 | 237.4 | 492.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 507.3 | 246.6 | 507.1 | 504.8 |
| Stddev | 1.6 | 1.1 | 1.4 | .3 |
| %RSD | .3101 | .4448 | .2761 | .0530 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 506.2 | 245.9 | 506.1 | 505.0 |
| #2 | 508.4 | 247.4 | 508.1 | 504.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/20/2010 11:24:33 Type: QC
Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 406.62 | 3770.8 | 3894.2 | 5031.6 |
| Stddev | 1.54 | 14.8 | 11.2 | 17.5 |
| %RSD | .37867 | .39145 | .28702 | .34850 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 405.53 | 3781.3 | 3886.2 | 5044.0 |
| #2 | 407.71 | 3760.4 | 3902.1 | 5019.2 |

Sample Name: ICB Acquired: 5/20/2010 11:28:28 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3610 | 4.862 | -2576 | 1.878 | -4.987 |
| Stddev | 2464 | 15.91 | 2.240 | .454 | .954 |
| %RSD | 68.26 | 327.3 | 869.7 | 24.19 | 19.12 |
| #1 | -1868 | -6.391 | -1.842 | 2.199 | -5.661 |
| #2 | -5353 | 16.11 | 1.327 | 1.557 | -4.313 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3091 | 17.13 | .0242 | .1789 | .2749 |
| Stddev | 2205 | 92.58 | 2.283 | .1895 | .0422 |
| %RSD | 71.34 | 540.6 | 945.5 | 105.9 | 15.36 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | -1532 | 82.59 | .1856 | .0449 | .2451 |
| #2 | -4650 | -48.34 | -1.373 | .3128 | .3048 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/20/2010 11:28:28 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6845 | -1.298 | 120.6 | 10.53 | -0.053 |
| Stddev | .0583 | 5.403 | 106.1 | 37.99 | .0088 |
| %RSD | 8.511 | 416.3 | 88.00 | 360.8 | 166.2 |
| #1 | -6433 | -5.119 | 45.55 | 37.39 | -0.115 |
| #2 | -7256 | 2.523 | 195.6 | -16.33 | .0009 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.005 | 34.26 | .2857 | .5210 | -5516 |
| Stddev | .739 | .56 | .6455 | .1754 | 1.497 |
| %RSD | 36.83 | 1.629 | 225.9 | 33.66 | 271.4 |

| | | | | | |
|----|-------|-------|--------|-------|--------|
| #1 | 2.528 | 34.65 | -.1707 | .3970 | -1.610 |
| #2 | 1.483 | 33.86 | .7422 | .6451 | .5068 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/20/2010 11:28:28 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7037 | .2882 | 2.555 | -.7898 | -.0058 |
| Stddev | .4539 | 2.101 | .466 | .9301 | .0192 |
| %RSD | 64.50 | 728.9 | 18.22 | 117.8 | 334.3 |

| | | | | | |
|----|-------|--------|-------|--------|--------|
| #1 | .3828 | -1.197 | 2.884 | -1.448 | -.0193 |
| #2 | 1.025 | 1.774 | 2.226 | -1.321 | .0078 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .3342 | .2805 | -.3164 | -.0879 |
| Stddev | .7322 | 2.441 | .3016 | .0368 |
| %RSD | 219.1 | 870.4 | 95.32 | 41.88 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | .8519 | 2.007 | -.1031 | -.1140 |
| #2 | -.1836 | -1.446 | -.5297 | -.0619 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/20/2010 11:28:28 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 438.04 | 3795.7 | 3930.5 | 5018.4 |
| Stddev | 1.29 | 5.5 | 11.5 | 33.3 |
| %RSD | .29465 | .14612 | .29374 | .66330 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 438.96 | 3799.6 | 3938.7 | 4994.9 |
| #2 | 437.13 | 3791.7 | 3922.4 | 5042.0 |

UCL 5109.65
 LCL 2751.35

Sample Name: ICSA Acquired: 5/20/2010 11:32:23 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0907 | 525000. | 1.366 | 2.166 | -1.511 |
| Stddev | 7053 | 196. | 4.566 | 481 | 3.303 |
| %RSD | 777.2 | .0373 | 334.1 | 22.19 | 218.5 |

#1 -5895 524800. -1.862 2.505 -3.847
 #2 .4080 525100. 4.595 1.826 .8239

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1162 | 507800. | 9707 | 2.497 | 8.246 |
| Stddev | .1731 | 614. | 1854 | .208 | .111 |
| %RSD | 149.0 | .1209 | 19.10 | 8.321 | 1.347 |

#1 -.0062 508300. 1.102 2.644 8.324
 #2 .2386 507400. .8396 2.350 8.167

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 5/20/2010 11:32:23 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.8304 | 201200. | -39.80 | 505600. | 8401 |
| Stddev | .6763 | 9.88 | 113. | .0427 | 5.079 |
| %RSD | 81.44 | .0001 | 24.83 | .0224 | |

#1 -1.309 201200. -32.82 505500. .8099
 #2 -.3522 201200. -46.79 505600. .8703

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0560 | 51.97 | -7.410 | .2594 | 7.903 |
| Stddev | .2478 | 4.49 | .199 | 1.444 | 1.765 |
| %RSD | 442.2 | 8.647 | 2.682 | 556.5 | 22.33 |

#1 .1192 48.80 -7.270 -.7614 6.655
 #2 -.2313 55.15 -7.551 1.280 9.151

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 5/20/2010 11:32:23 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8.824 | -6.358 | 12.71 | -.9318 | 15.62 |
| Stddev | 1.166 | 1.637 | .98 | .4653 | .01 |
| %RSD | 13.21 | 25.75 | 7.721 | 49.93 | .0860 |

#1 -9.648 -5.200 12.01 -.6028 15.61
 #2 -8.000 -7.515 13.40 -1.261 15.62

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.248 | 4.662 | -5.220 | -4.490 |
| Stddev | .415 | 3.716 | .863 | .175 |
| %RSD | 6.642 | 79.70 | 16.52 | 3.895 |

#1 6.542 7.290 -4.610 -4.614
 #2 5.955 2.035 -5.830 -4.367

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 5/20/2010 11:32:23 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 343.97 | 3416.8 | 3565.4 | 4845.1 |
| Stddev | 4.47 | .1 | 10.1 | 4.8 |
| %RSD | 1.2993 | .00405 | .28399 | .09932 |

#1 340.81 3416.7 3558.2 4841.7
 #2 347.13 3416.9 3572.5 4848.5

Sample Name: ICSAB Acquired: 5/20/2010 11:36:11 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 396.152 {85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 191.6 | 517900. | 95.15 | 1412. | 469.6 |
| Stddev | .7 | 384. | .21 | 2. | 8.5 |
| %RSD | .3497 | .0741 | .2170 | .1608 | 1.815 |
| #1 | 192.1 | 517700. | 95.01 | 1411. | 475.6 |
| #2 | 191.1 | 518200. | 95.30 | 1414. | 463.5 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 506.7 | 500600. | 959.8 | 454.6 | 493.0 |
| Stddev | .3 | 529. | 1 | 1.1 | .6 |
| %RSD | .0620 | .1056 | .0129 | .2436 | .1156 |
| #1 | 506.5 | 500200. | 959.7 | 453.8 | 493.4 |
| #2 | 507.0 | 500900. | 959.9 | 455.3 | 492.6 |

Check ?
 Value
 Range

Sample Name: ICSAB Acquired: 5/20/2010 11:36:11 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 {44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 481.0 | 200900. | -115.9 | 496000. | 477.8 |
| Stddev | 1.0 | 797. | 15.3 | 230. | 1.3 |
| %RSD | .2109 | .3966 | 13.18 | .0464 | .2655 |
| #1 | 481.7 | 201500. | -105.1 | 495900. | 478.7 |
| #2 | 480.3 | 200300. | -126.6 | 496200. | 476.9 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 {467} | 589.592 {57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 992.3 | 20.03 | 898.7 | 509.9 | 56.05 |
| Stddev | 4.7 | 8.62 | .6 | 2.1 | 2.70 |
| %RSD | .4715 | 43.04 | .0718 | .4137 | 4.814 |
| #1 | 989.0 | 13.93 | 898.2 | 511.4 | 54.14 |
| #2 | 995.6 | 26.12 | 899.1 | 508.4 | 57.96 |

Check ?
 Value
 Range

Sample Name: ICSAB Acquired: 5/20/2010 11:36:11 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 {83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 569.6 | F 29.69 | 1012. | 1406. | 244.1 |
| Stddev | .9 | 4.94 | 9. | 1. | 2.1 |
| %RSD | .1573 | 16.64 | .8438 | .0471 | .8566 |
| #1 | 569.0 | 33.19 | 1018. | 1405. | 245.6 |
| #2 | 570.2 | 26.20 | 1006. | 1406. | 242.7 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 503.5 | F 89.98 | 513.1 | 993.4 |
| Stddev | 2.8 | 2.48 | 2.4 | .3 |
| %RSD | .5543 | 2.754 | .4593 | .0298 |
| #1 | 505.5 | 88.22 | 514.8 | 993.6 |
| #2 | 501.5 | 91.73 | 511.4 | 993.2 |

Check ?
 Value
 Range

Sample Name: ICSAB Acquired: 5/20/2010 11:36:11 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 {91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 333.17 | 3316.2 | 3477.0 | 4670.2 |
| Stddev | .30 | 4.3 | 5.2 | 20.9 |
| %RSD | .09035 | .13062 | .15038 | .44679 |
| #1 | 333.38 | 3319.3 | 3480.7 | 4655.4 |
| #2 | 332.96 | 3313.2 | 3473.3 | 4684.9 |

Check ?
 Value
 Range

Sample Name: CRI Acquired: 5/20/2010 11:39:58 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.944 | 249.9 | 10.02 | 103.8 | 193.8 |
| Stddev | .569 | 17.1 | 1.28 | .1 | .3 |
| %RSD | 5.718 | 6.823 | 12.81 | .1306 | .1651 |
| #1 | 10.35 | 262.0 | 10.93 | 103.7 | 194.1 |
| #2 | 9.542 | 237.9 | 9.117 | 103.9 | 193.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.496 | 5379. | 5.168 | 49.84 | 10.51 |
| Stddev | .092 | 3. | .267 | .34 | .20 |
| %RSD | 1.672 | .0645 | 5.159 | .6846 | 1.897 |
| #1 | 5.431 | 5377. | 4.979 | 49.60 | 10.37 |
| #2 | 5.561 | 5382. | 5.356 | 50.08 | 10.65 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/20/2010 11:39:58 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.22 | 229.2 | 5464. | 5295. | 15.26 |
| Stddev | .58 | 7.1 | 98. | 45. | .01 |
| %RSD | 2.502 | 3.103 | 1.789 | .8526 | .0393 |
| #1 | 22.81 | 234.3 | 5394. | 5327. | 15.27 |
| #2 | 23.63 | 224.2 | 5533. | 5263. | 15.26 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.34 | 5296. | 39.62 | 263.7 | 10.77 |
| Stddev | .41 | 3. | .80 | .3 | 1.11 |
| %RSD | 3.052 | .0609 | 2.031 | .1250 | 10.26 |
| #1 | 13.63 | 5293. | 40.19 | 263.9 | 11.56 |
| #2 | 13.05 | 5298. | 39.05 | 263.5 | 9.993 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/20/2010 11:39:58 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 63.43 | 33.79 | 117.3 | 19.32 | 21.11 |
| Stddev | .18 | .53 | 1.0 | .07 | .30 |
| %RSD | .2886 | 1.582 | .8644 | .3574 | 1.416 |
| #1 | 63.30 | 33.41 | 118.0 | 19.27 | 21.32 |
| #2 | 63.56 | 34.16 | 116.5 | 19.37 | 20.90 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.57 | 22.37 | 50.66 | 20.40 |
| Stddev | .10 | 1.55 | .33 | .01 |
| %RSD | .4818 | 6.945 | .6582 | .0441 |
| #1 | 20.64 | 21.27 | 50.89 | 20.39 |
| #2 | 20.50 | 23.47 | 50.42 | 20.40 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/20/2010 11:39:58 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 418.81 | 3673.9 | 3824.2 | 4779.0 |
| Stddev | .19 | 38.9 | 1.6 | 2.4 |
| %RSD | .04505 | 1.0598 | .04078 | .04920 |
| #1 | 418.67 | 3701.5 | 3825.3 | 4777.3 |
| #2 | 418.94 | 3646.4 | 3823.1 | 4780.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 11:43:50 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.17 | 30780. | 100.3 | 719.9 | 193.5 |
| Stddev | .10 | 2. | 1.9 | 1.3 | 2.5 |
| %RSD | .1001 | .0078 | 1.854 | .1838 | 1.310 |
| #1 | 97.10 | 30780. | 99.01 | 719.0 | 191.7 |
| #2 | 97.24 | 30780. | 101.6 | 720.8 | 195.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (108) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 102.8 | 30520. | 98.53 | 191.7 | 199.9 |
| Stddev | .2 | 52. | .45 | .5 | .7 |
| %RSD | .2124 | .1699 | .4531 | .2606 | .3564 |
| #1 | 102.7 | 30480. | 98.21 | 191.3 | 199.4 |
| #2 | 103.0 | 30560. | 98.84 | 192.0 | 200.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 11:43:50 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 189.9 | 31010. | 30520. | 30770. | 193.3 |
| Stddev | .8 | 7. | 98. | 36. | .3 |
| %RSD | .4445 | .0210 | .3218 | .1177 | .1729 |
| #1 | 190.5 | 31010. | 30450. | 30800. | 193.5 |
| #2 | 189.3 | 31020. | 30590. | 30750. | 193.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.9 | 30850. | 191.3 | 206.4 | 412.2 |
| Stddev | .6 | 14. | 1.9 | 2.6 | .7 |
| %RSD | .3153 | .0447 | .9847 | 1.266 | .1617 |
| #1 | 200.5 | 30840. | 189.9 | 204.6 | 412.7 |
| #2 | 201.4 | 30860. | 192.6 | 208.3 | 411.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 11:43:50 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 296.9 | 98.27 | 1029. | 197.3 | 301.5 |
| Stddev | 2.6 | 1.50 | 1. | .2 | .1 |
| %RSD | .8748 | 1.528 | .1378 | .1018 | .0400 |
| #1 | 295.1 | 99.34 | 1030. | 197.2 | 301.4 |
| #2 | 298.8 | 97.21 | 1028. | 197.5 | 301.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 401.7 | 100.6 | 202.6 | 202.7 |
| Stddev | .5 | 2.5 | .4 | .7 |
| %RSD | .1170 | 2.533 | .1806 | .3638 |
| #1 | 402.1 | 102.4 | 202.4 | 202.2 |
| #2 | 401.4 | 98.79 | 202.9 | 203.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 11:43:50 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 391.06 | 3608.5 | 3750.4 | 4773.0 |
| Stddev | .26 | 22.4 | 4.9 | 15.6 |
| %RSD | .06748 | .62172 | .13079 | .32622 |
| #1 | 391.25 | 3592.6 | 3753.8 | 4762.0 |
| #2 | 390.88 | 3624.3 | 3746.9 | 4784.0 |

Sample Name: CCB Acquired: 5/20/2010 11:47:38 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2576 | -32.11 | 2454 | 2.264 | -6098 |
| Stddev | .0328 | 17.51 | 2.275 | .031 | 4.620 |
| %RSD | 12.75 | 54.53 | 927.1 | 1.368 | 757.6 |
| #1 | -2344 | -19.73 | 1.854 | 2.242 | -3.877 |
| #2 | -2808 | -44.49 | -1.363 | 2.286 | 2.657 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.0225 | 39.95 | -0.084 | -0.0354 | .2435 |
| Stddev | .0547 | 7.86 | .0743 | .1476 | .1923 |
| %RSD | 243.6 | 19.67 | 883.2 | 417.4 | 78.96 |
| #1 | -0.0612 | 45.51 | .0441 | -1.398 | .1076 |
| #2 | .0162 | 34.39 | -0.0609 | .0690 | .3795 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 11:47:38 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5456 | 1.949 | -15.94 | 9.428 | .0012 |
| Stddev | .3290 | 4.405 | 45.02 | 42.48 | .0568 |
| %RSD | 60.31 | 225.9 | 282.5 | 450.6 | 4904. |
| #1 | .7783 | 5.064 | 15.90 | 39.47 | .0413 |
| #2 | .3130 | -1.165 | -47.77 | -20.61 | -0.0390 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8863 | 22.08 | .4974 | .7085 | -1.991 |
| Stddev | .0604 | 14.52 | 1.088 | 1.121 | .322 |
| %RSD | 6.818 | 65.77 | 218.7 | 158.2 | 16.15 |
| #1 | .8436 | 32.35 | 1.267 | -.0839 | -2.218 |
| #2 | .9291 | 11.81 | -2.718 | 1.501 | -1.763 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 11:47:38 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.053 | 1.576 | .3689 | -1.103 | .0121 |
| Stddev | .819 | 2.009 | .1975 | 1.288 | .0317 |
| %RSD | 39.89 | 127.5 | 53.53 | 116.8 | 262.2 |
| #1 | 2.633 | 2.996 | .2293 | -2.014 | .0345 |
| #2 | 1.474 | .1552 | .5086 | -1.1920 | -.0103 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWRD) | (In2306) | (Y_HWRD) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.2655 | .5818 | .2679 | -.1894 |
| Stddev | .5068 | 1.190 | .3676 | .0494 |
| %RSD | 190.9 | 204.6 | 137.2 | 26.06 |
| #1 | .0928 | -.2598 | .5279 | -.2244 |
| #2 | -.6239 | 1.423 | .0080 | -.1545 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 11:47:38 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWRD | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 420.15 | 3650.3 | 3799.0 | 4784.3 |
| Stddev | 4.27 | 5.8 | .6 | 22.8 |
| %RSD | 1.0163 | .15857 | .01484 | .47664 |
| #1 | 417.13 | 3654.4 | 3799.4 | 4800.5 |
| #2 | 423.17 | 3646.2 | 3798.6 | 4768.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: PBS051810C Acquired: 5/20/2010 11:51:32 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.080 | 1.689 | -0.8740 | 2.866 | 9881 |
| Stddev | .3442 | 1.281 | 1.221 | .444 | 8.755 |
| %RSD | 391.2 | 75.86 | 139.7 | 15.48 | 886.1 |

#1 .1554 .7827 -.0108 2.552 -5.203
 #2 -.3313 2.594 -1.737 3.179 7.179

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.0677 | 61.98 | .2753 | .4650 | .4042 |
| Stddev | .0825 | 103.8 | .1001 | .1705 | .0806 |
| %RSD | 121.8 | 167.5 | 36.38 | 36.66 | 19.95 |

#1 -.0094 -11.43 .3461 .5855 .4613
 #2 -.1260 135.4 .2045 .3444 .3472

Check ? None None None None None
 Value
 Range

Sample Name: PBS051810C Acquired: 5/20/2010 11:51:32 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.484 | 18.22 | 31.07 | -41.65 | .3329 |
| Stddev | .738 | 3.37 | 73.89 | 44.44 | .0401 |
| %RSD | 16.45 | 18.51 | 237.8 | 106.7 | 12.04 |

#1 3.962 20.60 83.32 -73.07 .3612
 #2 5.005 15.83 -21.18 -10.22 .3046

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1170 | 6.475 | .6804 | 7.130 | -.6688 |
| Stddev | .2995 | 10.42 | .7639 | 1.675 | .3266 |
| %RSD | 256.1 | 160.9 | 112.3 | 23.50 | 48.84 |

#1 .3288 13.84 1.221 8.314 -.4378
 #2 -.0948 -.8923 .1402 5.945 -.8998

Check ? None None None None None
 Value
 Range

Sample Name: PBS051810C Acquired: 5/20/2010 11:51:32 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.612 | .8070 | 13.48 | 15.44 | .0126 |
| Stddev | 2.292 | 2.890 | .90 | .26 | .0075 |
| %RSD | 63.46 | 358.1 | 6.676 | 1.660 | 59.39 |

#1 1.991 2.850 12.85 15.62 .0178
 #2 5.233 -1.236 14.12 15.25 .0073

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0651 | -3.326 | -.3820 | .3310 |
| Stddev | .6549 | .249 | .0134 | .0232 |
| %RSD | 1006. | 7.487 | 3.520 | 6.994 |

#1 .5282 -3.150 -.3725 .3146
 #2 -.3979 -3.502 -.3915 .3474

Check ? None None None None
 Value
 Range

Sample Name: PBS051810C Acquired: 5/20/2010 11:51:32 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 419.70 | 3681.8 | 3816.8 | 4813.1 |
| Stddev | .62 | 7.1 | .7 | 40.8 |
| %RSD | .14733 | .19420 | .01955 | .84768 |

#1 419.26 3686.8 3817.4 4842.0
 #2 420.14 3676.7 3816.3 4784.3

Sample Name: LCSS051810C Acquired: 5/20/2010 11:55:25 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 247.8 | 2264. | 243.0 | 475.1 | 2054. |
| Stddev | .8 | 13. | 2.1 | 1.1 | 18. |
| %RSD | .3369 | .5806 | .8596 | .2372 | .8739 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 247.2 | 2273. | 244.5 | 474.3 | 2067. |
| #2 | 248.4 | 2254. | 241.5 | 475.9 | 2042. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 56.10 | 20750. | 244.5 | 453.7 | 218.3 |
| Stddev | .05 | 59. | .6 | .6 | .0 |
| %RSD | .0846 | .2856 | .2658 | .1339 | .0033 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 56.14 | 20790. | 244.0 | 453.3 | 218.3 |
| #2 | 56.07 | 20710. | 245.0 | 454.1 | 218.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS051810C Acquired: 5/20/2010 11:55:25 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 260.0 | 1272. | 21220. | 20290. | 494.3 |
| Stddev | 1.0 | 4. | 13. | 35. | 1.9 |
| %RSD | .3783 | .3338 | .0595 | .1723 | .3910 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 259.3 | 1269. | 21230. | 20310. | 492.9 |
| #2 | 260.7 | 1275. | 21210. | 20260. | 495.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 506.1 | 20680. | 488.8 | 512.5 | 230.4 |
| Stddev | 2.0 | 60. | .2 | .7 | .7 |
| %RSD | .3914 | .2885 | .0358 | .1305 | .3004 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 504.7 | 20720. | 488.7 | 513.0 | 229.9 |
| #2 | 507.5 | 20640. | 488.9 | 512.0 | 230.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS051810C Acquired: 5/20/2010 11:55:25 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 479.3 | 237.7 | 508.9 | 526.3 | 500.9 |
| Stddev | 1.5 | 2.7 | 3.7 | 2.6 | 8.5 |
| %RSD | .3168 | 1.123 | .7177 | .4997 | 1.700 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 480.4 | 235.8 | 506.3 | 524.4 | 506.9 |
| #2 | 478.2 | 239.6 | 511.4 | 528.1 | 494.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 504.8 | 247.1 | 511.3 | 497.1 |
| Stddev | 2.7 | .3 | 1.2 | .3 |
| %RSD | .5359 | .1248 | .2365 | .0639 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 502.9 | 247.3 | 510.5 | 497.4 |
| #2 | 506.7 | 246.9 | 512.2 | 496.9 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: LCSS051810C Acquired: 5/20/2010 11:55:25 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 393.80 | 3577.0 | 3722.3 | 4688.2 |
| Stddev | .62 | 18.9 | 4.2 | 31.8 |
| %RSD | .15662 | .52976 | .11256 | .67794 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 394.24 | 3590.4 | 3725.3 | 4665.7 |
| #2 | 393.36 | 3563.6 | 3719.3 | 4710.7 |

Sample Name: 829219 Acquired: 5/20/2010 11:59:18 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1242 | 13370 | 9.449 | 21.50 | 145.1 |
| Stddev | 4354 | 42 | 1.992 | .83 | 2.1 |
| %RSD | 350.7 | .3153 | 21.08 | 3.859 | 1.416 |

#1 .1837 13340. 8.041 22.08 146.5
 #2 -.4320 13400. 10.86 20.91 143.6

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.230 | 40180 | 4.043 | 9.598 | 50.33 |
| Stddev | .228 | 133 | .096 | .587 | .00 |
| %RSD | 18.49 | .3314 | 2.361 | 6.116 | .0020 |

#1 1.070 40080. 4.111 9.183 50.33
 #2 1.391 40270. 3.976 10.01 50.33

Check ? Value Range
 None None None None None

Sample Name: 829219 Acquired: 5/20/2010 11:59:18 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.9 | 20940 | 13930 | 7991 | 625.8 |
| Stddev | .4 | 14 | 114 | 84 | .5 |
| %RSD | .4210 | .0666 | .8143 | 1.053 | .0733 |

#1 102.2 20930. 14010. 7931. 626.1
 #2 101.6 20950. 13850. 8050. 625.5

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 159.3 | 234.6 | 26.53 | 3907 | 28.14 |
| Stddev | .6 | 7.3 | 89 | 12 | .47 |
| %RSD | .3779 | 3.118 | 3.354 | .3058 | 1.672 |

#1 158.8 229.4 25.90 3898. 27.81
 #2 159.7 239.7 27.16 3915. 28.48

Check ? Value Range
 None None None None None

Sample Name: 829219 Acquired: 5/20/2010 11:59:18 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.677 | 3.617 | 3765 | 6.292 | 319.2 |
| Stddev | 2.927 | .471 | 11 | .350 | .4 |
| %RSD | 174.6 | 13.02 | .3020 | 5.563 | .1120 |

#1 -.3930 3.284 3773. 6.540 319.5
 #2 3.746 3.951 3757. 6.045 319.0

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 337.1 | -5.115 | 41.19 | 239.9 |
| Stddev | .2 | .507 | .71 | .7 |
| %RSD | .0657 | 9.918 | 1.722 | .2925 |

#1 337.2 -5.474 40.69 239.4
 #2 336.9 -4.756 41.69 240.4

Check ? Value Range
 None None None None

Sample Name: 829219 Acquired: 5/20/2010 11:59:18 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 404.73 | 3661.0 | 3817.1 | 4815.6 |
| Stddev | 1.12 | 6.2 | 1.8 | 17.7 |
| %RSD | .27677 | .16916 | .04623 | .36819 |

#1 403.94 3665.4 3818.3 4828.1
 #2 405.52 3656.6 3815.8 4803.1

Sample Name: 829220 Acquired: 5/20/2010 12:03:10 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3698 | 14320. | 9.697 | 20.25 | 161.0 |
| Stddev | .1449 | 49. | 4.629 | 1.14 | 2.9 |
| %RSD | 39.19 | .3411 | 47.73 | 5.609 | 1.773 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -4.722 | 14350. | 12.97 | 19.45 | 163.0 |
| #2 | -.2673 | 14290. | 6.424 | 21.05 | 159.0 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.411 | 38660. | 1.987 | 13.40 | 47.40 |
| Stddev | .282 | 250. | .198 | .11 | .02 |
| %RSD | 20.00 | .6456 | 9.938 | .7912 | .0384 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 1.211 | 38830. | 1.848 | 13.33 | 47.41 |
| #2 | 1.610 | 38480. | 2.127 | 13.48 | 47.38 |

Check ? Value Range
 None None None None None

Sample Name: 829220 Acquired: 5/20/2010 12:03:10 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 81.26 | 23850. | 12070. | 7914. | 828.1 |
| Stddev | .94 | 14. | 35. | 3. | .8 |
| %RSD | 1.158 | .0606 | .2901 | .0374 | .0924 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | 80.60 | 23860. | 12090. | 7916. | 827.5 |
| #2 | 81.93 | 23830. | 12040. | 7912. | 828.6 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 61.11 | 203.8 | 26.68 | 3010. | 37.21 |
| Stddev | .09 | 5.3 | .67 | 11. | 1.11 |
| %RSD | .1492 | 2.609 | 2.521 | .3711 | 2.990 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 61.18 | 207.6 | 27.16 | 3018. | 38.00 |
| #2 | 61.05 | 200.1 | 26.20 | 3002. | 36.43 |

Check ? Value Range
 None None None None None

Sample Name: 829220 Acquired: 5/20/2010 12:03:10 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.868 | 1.273 | 2809. | 6.384 | 283.8 |
| Stddev | 1.359 | 2.552 | 2. | .473 | 2.9 |
| %RSD | 47.38 | 200.6 | .0679 | 7.409 | 1.011 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 3.829 | 3.077 | 2810. | 6.049 | 285.9 |
| #2 | 1.907 | -.5323 | 2807. | 6.718 | 281.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Tl-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 438.7 | -4.241 | 47.22 | 178.3 |
| Stddev | .6 | 1.454 | 1.02 | .5 |
| %RSD | .1306 | 34.28 | 2.168 | .2932 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 438.3 | -5.268 | 46.50 | 178.7 |
| #2 | 439.1 | -3.213 | 47.95 | 178.0 |

Check ? Value Range
 None None None None

Sample Name: 829220 Acquired: 5/20/2010 12:03:10 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 404.83 | 3680.2 | 3828.8 | 4794.5 |
| Stddev | .94 | 24.0 | 3.6 | 12.0 |
| %RSD | .23124 | .65282 | .09384 | .24961 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 405.49 | 3697.2 | 3826.3 | 4786.1 |
| #2 | 404.17 | 3663.2 | 3831.4 | 4803.0 |

Sample Name: 829221 Acquired: 5/20/2010 12:07:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | {Y_HWAX} | {Y_HWRD} | {Y_LWAX} | {Y_LWAX} | {Y_HWRD} |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2588 | 252.5 | 1.416 | 57.53 | 32.89 |
| Stddev | .2634 | 19.7 | .154 | .01 | .59 |
| %RSD | 101.8 | 7.819 | 10.85 | .0185 | 1.781 |

#1 -0.0726 266.4 1.307 57.53 32.47
 #2 -0.4450 238.5 1.524 57.52 33.30

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | {Y_HWRD} | {Y_HWRD} | {Y_LWAX} | {Y_LWAX} | {Y_LWAX} |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1515 | 46030. | 4.176 | .9474 | 1.089 |
| Stddev | .3026 | 54. | .166 | .5648 | .184 |
| %RSD | 199.7 | .1180 | 3.963 | 59.62 | 16.90 |

#1 -0.0624 46060. 4.293 .5480 1.219
 #2 .3655 45990. 4.059 1.347 .9586

Check ? None None None None None
 Value
 Range

Sample Name: 829221 Acquired: 5/20/2010 12:07:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | {Y_HWAX} | {Y_HWAX} | {Y_HWRD} | {Y_HWRD} | {Y_HWAX} |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 46.64 | 467.0 | 65760. | 8263. | 163.6 |
| Stddev | .24 | 2.9 | 55. | 81. | .3 |
| %RSD | .5065 | .6111 | .0836 | .9860 | .1863 |

#1 46.81 469.0 65800. 8205. 163.8
 #2 46.47 465.0 65720. 8320. 163.4

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | {Y_LWAX} | {Y_HWRD} | {Y_LWAX} | {Y_LWAX} | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 148.5 | 141.0 | 5.434 | 6992. | 3.269 |
| Stddev | .1 | 1.6 | .014 | 23. | .781 |
| %RSD | .0784 | 1.136 | .2583 | .3251 | 23.91 |

#1 148.4 139.9 5.444 6976. 2.716
 #2 148.6 142.2 5.424 7008. 3.821

Check ? None None None None None
 Value
 Range

Sample Name: 829221 Acquired: 5/20/2010 12:07:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | {Y_LWAX} | {Y_LWAX} | {Y_HWAX} | {Y_LWAX} | {Y_HWRD} |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.881 | -.2327 | 627.2 | 11.43 | 357.5 |
| Stddev | 2.321 | .5846 | 5.9 | 1.25 | .0 |
| %RSD | 59.80 | 251.2 | .9367 | 10.96 | .0084 |

#1 5.522 .1807 631.3 12.31 357.4
 #2 2.240 -.6461 623.0 10.54 357.5

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | {Y_HWAX} | (In2306) | {Y_HWAX} | {Y_LWAX} |
| Units | ppb | ppb | ppb | ppb |
| Avg | 10.24 | -5.192 | 2.295 | 383.6 |
| Stddev | .48 | .536 | .357 | .9 |
| %RSD | 4.680 | 10.33 | 15.56 | .2377 |

#1 10.58 -5.572 2.548 383.0
 #2 9.904 -4.813 2.042 384.3

Check ? None None None None
 Value
 Range

Sample Name: 829221 Acquired: 5/20/2010 12:07:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 398.31 | 3621.9 | 3777.7 | 4765.0 |
| Stddev | 3.82 | 1.5 | 1.9 | 15.6 |
| %RSD | .95832 | .04053 | .04943 | .32778 |

#1 401.01 3620.9 3776.3 4754.0
 #2 395.61 3623.0 3779.0 4776.1

Sample Name: 829221L Acquired: 5/20/2010 12:11:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4600 | 417.3 | -6.612 | 66.06 | -3.415 |
| Stddev | 3.362 | 50.1 | .467 | 3.57 | 19.34 |
| %RSD | 730.9 | 12.02 | 7.060 | 5.410 | 566.2 |

| | | | | | |
|----|--------|-------|--------|-------|--------|
| #1 | -1.917 | 452.8 | -6.942 | 63.53 | 10.26 |
| #2 | 2.837 | 381.9 | -6.282 | 68.59 | -17.09 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8794 | 46780. | 5.033 | -5.967 | 2.483 |
| Stddev | 1.291 | 26. | .245 | 1.788 | .422 |
| %RSD | 146.8 | .0557 | 4.865 | 299.6 | 17.01 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | 1.792 | 46800. | 4.860 | -1.861 | 2.184 |
| #2 | -.0337 | 46760. | 5.206 | .6674 | 2.782 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829221L Acquired: 5/20/2010 12:11:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 45.39 | 504.1 | 66840. | 8385. | 165.9 |
| Stddev | .29 | 23.3 | 1157. | 49. | .5 |
| %RSD | .6286 | 4.612 | 1.732 | .5817 | .2756 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 45.59 | 520.5 | 66020. | 8419. | 166.3 |
| #2 | 45.19 | 487.6 | 67660. | 8350. | 165.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 144.2 | 118.5 | 3.747 | 6925. | -7.531 |
| Stddev | 1.3 | 122.8 | 1.777 | 20. | 10.53 |
| %RSD | .9138 | 103.6 | 47.43 | .2824 | 139.9 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | 145.1 | 205.4 | 2.490 | 6911. | -.0831 |
| #2 | 143.3 | 31.68 | 5.003 | 6938. | -14.98 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829221L Acquired: 5/20/2010 12:11:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 15.84 | -4.413 | 624.8 | 9.692 | 362.6 |
| Stddev | 1.13 | .359 | 3.7 | 6.040 | 3.1 |
| %RSD | 7.159 | 8.129 | 5880 | 62.32 | .8646 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 15.04 | -4.159 | 622.2 | 5.421 | 360.4 |
| #2 | 16.64 | -4.666 | 627.4 | 13.96 | 364.8 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.941 | -6.537 | .2754 | 391.7 |
| Stddev | .644 | 1.303 | 1.346 | 1.9 |
| %RSD | 7.198 | 19.93 | 488.7 | .4781 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | 9.396 | -7.459 | -6.762 | 390.4 |
| #2 | 8.486 | -5.616 | 1.227 | 393.0 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829221L Acquired: 5/20/2010 12:11:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 414.28 | 3624.6 | 3795.8 | 4702.4 |
| Stddev | 3.01 | 25.0 | 10.9 | 11.1 |
| %RSD | .72691 | .68993 | .28782 | .23684 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 412.15 | 3606.9 | 3788.0 | 4710.2 |
| #2 | 416.41 | 3642.3 | 3803.5 | 4694.5 |

Sample Name: 829221A Acquired: 5/20/2010 12:14:56 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0578 | 2443. | 47.28 | 548.5 | 2077. |
| Stddev | .5613 | 49. | 3.64 | 1.4 | 1. |
| %RSD | 970.5 | 2.010 | 7.708 | .2543 | .0432 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | .3390 | 2408. | 49.86 | 547.5 | 2078. |
| #2 | -.4547 | 2478. | 44.71 | 549.5 | 2077. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 56.53 | 45970. | 56.26 | 472.7 | 217.4 |
| Stddev | .62 | 84. | .44 | .1 | .0 |
| %RSD | 1.088 | .1823 | .7801 | .0308 | .0127 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 56.10 | 45910. | 55.95 | 472.6 | 217.4 |
| #2 | 56.97 | 46030. | 56.57 | 472.8 | 217.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829221A Acquired: 5/20/2010 12:14:56 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 308.4 | 1646. | 65440. | 8214. | 657.9 |
| Stddev | 2.0 | 8. | 420. | 101. | .9 |
| %RSD | .6614 | .4566 | .6420 | 1.228 | .1329 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 309.9 | 1641. | 65140. | 8143. | 658.5 |
| #2 | 307.0 | 1651. | 65740. | 8285. | 657.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 660.4 | 113.8 | 482.7 | 7442. | 23.53 |
| Stddev | 2.5 | 42.7 | 1.1 | 18. | .71 |
| %RSD | .3797 | 37.54 | .2369 | .2415 | 2.997 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 658.6 | 83.58 | 481.9 | 7429. | 23.03 |
| #2 | 662.2 | 144.0 | 483.5 | 7455. | 24.03 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829221A Acquired: 5/20/2010 12:14:56 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 489.2 | 57.19 | 1158. | 489.6 | 845.0 |
| Stddev | .2 | 1.03 | . | .3 | .1 |
| %RSD | .0420 | 1.799 | .0165 | .0536 | .0084 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 489.0 | 56.46 | 1158. | 489.4 | 845.1 |
| #2 | 489.3 | 57.92 | 1158. | 489.8 | 845.0 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 501.7 | 52.73 | 524.5 | 873.3 |
| Stddev | .0 | .09 | .9 | .5 |
| %RSD | .0075 | .1657 | .1627 | .0598 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 501.7 | 52.79 | 525.1 | 873.0 |
| #2 | 501.7 | 52.67 | 523.9 | 873.7 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829221A Acquired: 5/20/2010 12:14:56 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 398.16 | 3614.6 | 3790.2 | 4765.6 |
| Stddev | .00 | 17.4 | 3.8 | 1.0 |
| %RSD | .00118 | .48076 | .10118 | .02178 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 398.15 | 3602.3 | 3793.0 | 4764.9 |
| #2 | 398.16 | 3626.9 | 3787.5 | 4766.4 |

Sample Name: 829221MS Acquired: 5/20/2010 12:18:51 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 47.65 | 2328. | 43.60 | 502.3 | 1983. |
| Stddev | .48 | 32. | .08 | 1.3 | 12. |
| %RSD | 1.002 | 1.371 | .1864 | .2560 | .6001 |
| #1 | 47.31 | 2351. | 43.54 | 501.4 | 1992. |
| #2 | 47.98 | 2306. | 43.66 | 503.2 | 1975. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 54.11 | 36950. | 52.82 | 440.8 | 212.2 |
| Stddev | .07 | 13. | .14 | 1.4 | .6 |
| %RSD | .1342 | .0345 | .2706 | .3090 | .2601 |
| #1 | 54.17 | 36940. | 52.92 | 439.8 | 212.6 |
| #2 | 54.06 | 36960. | 52.72 | 441.7 | 211.8 |

Check ? Value Range
 None None None None None

Sample Name: 829221MS Acquired: 5/20/2010 12:18:51 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 289.2 | 1414. | 54470. | 6615. | 581.8 |
| Stddev | .5 | 15. | 436. | 45. | 1.1 |
| %RSD | .1779 | 1.066 | .8011 | .6748 | .1825 |
| #1 | 289.6 | 1425. | 54780. | 6647. | 581.1 |
| #2 | 288.9 | 1404. | 54160. | 6584. | 582.6 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 605.4 | 93.50 | 478.0 | 6313. | 23.95 |
| Stddev | 1.7 | 56.15 | .2 | 27. | 4.90 |
| %RSD | .2880 | 60.05 | .0338 | .4219 | 20.46 |
| #1 | 604.2 | 133.2 | 477.9 | 6332. | 20.48 |
| #2 | 606.7 | 53.80 | 478.1 | 6294. | 27.41 |

Check ? Value Range
 None None None None None

Sample Name: 829221MS Acquired: 5/20/2010 12:18:51 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 463.2 | 52.42 | 1010. | 499.9 | 787.3 |
| Stddev | 2.0 | 2.86 | 5. | 1.2 | 1.8 |
| %RSD | .4308 | 5.449 | .4469 | .2475 | .2246 |
| #1 | 464.6 | 50.40 | 1013. | 500.8 | 786.0 |
| #2 | 461.8 | 54.44 | 1006. | 499.0 | 788.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 490.4 | 49.78 | 501.8 | 750.4 |
| Stddev | 2.2 | .86 | .8 | 2.3 |
| %RSD | .4461 | 1.736 | .1657 | .3009 |
| #1 | 488.9 | 49.17 | 502.4 | 752.0 |
| #2 | 492.0 | 50.39 | 501.2 | 748.8 |

Check ? Value Range
 None None None None

Sample Name: 829221MS Acquired: 5/20/2010 12:18:51 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 398.15 | 3592.3 | 3762.7 | 4716.5 |
| Stddev | 2.23 | 11.2 | 11.1 | 24.7 |
| %RSD | .56027 | .31278 | .29453 | .52377 |
| #1 | 396.57 | 3584.4 | 3754.9 | 4699.0 |
| #2 | 399.72 | 3600.3 | 3770.5 | 4734.0 |

Check ? Value Range
 None None None None

Sample Name: 829221DP Acquired: 5/20/2010 12:22:45 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0598 | 176.8 | -.0131 | 51.91 | 30.80 |
| Stddev | .1626 | 8.1 | 2.896 | .74 | 1.07 |
| %RSD | 271.8 | 4.560 | 22110. | 1.427 | 3.485 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -.0552 | 182.5 | 2.035 | 52.44 | 30.04 |
| #2 | .1748 | 171.1 | -2.061 | 51.39 | 31.55 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2129 | 40540. | 3.313 | .2906 | .9471 |
| Stddev | .0622 | 117. | .027 | .1349 | .1906 |
| %RSD | 29.23 | .2876 | .8178 | 46.41 | 20.12 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .2569 | 40620. | 3.332 | .1952 | .8123 |
| #2 | .1689 | 40450. | 3.294 | .3860 | 1.082 |

Check ? Value Range
 None None None None None

Sample Name: 829221DP Acquired: 5/20/2010 12:22:45 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 41.42 | 284.5 | 60400. | 7335. | 118.7 |
| Stddev | .43 | 1.1 | 96. | 3. | .1 |
| %RSD | 1.033 | .3841 | .1585 | .0460 | .0521 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 41.72 | 285.2 | 60330. | 7332. | 118.6 |
| #2 | 41.12 | 283.7 | 60470. | 7337. | 118.7 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 129.7 | 96.21 | 4.930 | 6258. | 4157 |
| Stddev | .1 | 1.14 | 1.203 | 9. | .9763 |
| %RSD | .1102 | 1.183 | 24.41 | .1422 | 234.9 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | 129.8 | 97.02 | 5.781 | 6264. | -.2746 |
| #2 | 129.6 | 95.41 | 4.079 | 6252. | 1.106 |

Check ? Value Range
 None None None None None

Sample Name: 829221DP Acquired: 5/20/2010 12:22:45 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.828 | 4.819 | 431.1 | 12.00 | 329.3 |
| Stddev | .163 | .956 | .3 | .02 | 3.5 |
| %RSD | 3.382 | 19.84 | .0768 | .1761 | 1.068 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 4.944 | 5.495 | 431.4 | 12.01 | 326.8 |
| #2 | 4.713 | 4.143 | 430.9 | 11.98 | 331.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.121 | -4.669 | 2.150 | 302.9 |
| Stddev | .198 | .080 | .190 | .2 |
| %RSD | 3.866 | 1.710 | 8.823 | .0772 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 4.981 | -4.726 | 2.016 | 303.1 |
| #2 | 5.261 | -4.613 | 2.285 | 302.7 |

Check ? Value Range
 None None None None

Sample Name: 829221DP Acquired: 5/20/2010 12:22:45 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 400.34 | 3610.6 | 3782.5 | 4745.8 |
| Stddev | .36 | 19.0 | 12.2 | 20.2 |
| %RSD | .08868 | .52751 | .32246 | .42494 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 400.09 | 3597.1 | 3773.8 | 4760.1 |
| #2 | 400.59 | 3624.0 | 3791.1 | 4731.6 |

Sample Name: 829222 Acquired: 5/20/2010 12:26:44 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0401 | 3040. | 5.795 | 36.71 | 85.57 |
| Stddev | .1667 | 33. | 1.867 | .23 | 5.44 |
| %RSD | 415.5 | 1.093 | 32.22 | .6378 | 6.357 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.1580 | 3016. | 7.115 | 36.55 | 89.42 |
| #2 | .0778 | 3063. | 4.474 | 36.88 | 81.72 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (454) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3935 | 20980. | 7.206 | 2.761 | 10.01 |
| Stddev | .0182 | 26. | .347 | .564 | .16 |
| %RSD | 4.627 | .1251 | 4.820 | 20.42 | 1.600 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .4064 | 21000. | 7.451 | 3.160 | 10.12 |
| #2 | .3807 | 20960. | 6.960 | 2.363 | 9.897 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829222 Acquired: 5/20/2010 12:26:44 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 57.95 | 5373. | 44690. | 5152. | 299.9 |
| Stddev | 1.07 | 20. | 133. | 33. | 8 |
| %RSD | 1.853 | .3668 | .2971 | .6490 | .2680 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 57.19 | 5387. | 44790. | 5176. | 300.4 |
| #2 | 58.71 | 5359. | 44600. | 5129. | 299.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 107.4 | 189.4 | 7.947 | 2853. | 7.495 |
| Stddev | .4 | 2.5 | .205 | 17. | .866 |
| %RSD | .3586 | 1.332 | 2.578 | .6000 | 11.56 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 107.1 | 187.6 | 8.091 | 2865. | 6.883 |
| #2 | 107.7 | 191.2 | 7.802 | 2841. | 8.107 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829222 Acquired: 5/20/2010 12:26:44 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.657 | 2.155 | 1925. | 8.237 | 229.1 |
| Stddev | .742 | 2.127 | 1. | 1.424 | .7 |
| %RSD | 27.90 | 98.70 | .0488 | 17.28 | .3239 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 3.182 | 3.660 | 1926. | 9.244 | 229.7 |
| #2 | 2.133 | .6511 | 1925. | 7.230 | 228.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 103.4 | -3.755 | 12.65 | 241.4 |
| Stddev | .6 | .210 | .16 | .5 |
| %RSD | .5505 | 5.594 | 1.250 | .1929 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 103.8 | -3.606 | 12.54 | 241.7 |
| #2 | 103.0 | -3.903 | 12.77 | 241.1 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829222 Acquired: 5/20/2010 12:26:44 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 403.40 | 3623.2 | 3785.0 | 4745.8 |
| Stddev | 3.20 | 3.8 | 8.3 | 12.0 |
| %RSD | .79217 | .10434 | .21982 | .25227 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 401.14 | 3620.5 | 3779.2 | 4737.4 |
| #2 | 405.66 | 3625.9 | 3790.9 | 4754.3 |

Sample Name: CCV Acquired: 5/20/2010 12:30:37 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.87 | 30680. | 100.1 | 711.5 | 196.3 |
| Stddev | 1.80 | 126. | .2 | 6.8 | 4.0 |
| %RSD | 1.861 | .4092 | .1805 | .9623 | 2.032 |
| #1 | 98.14 | 30590. | 99.99 | 706.7 | 193.5 |
| #2 | 95.59 | 30770. | 100.2 | 716.3 | 199.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 102.3 | 30290. | 97.45 | 190.5 | 199.7 |
| Stddev | .5 | 158. | .46 | .9 | .2 |
| %RSD | .4801 | .5223 | .4726 | .4916 | .0938 |
| #1 | 102.0 | 30170. | 97.12 | 189.9 | 199.6 |
| #2 | 102.7 | 30400. | 97.78 | 191.2 | 199.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 12:30:37 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 189.7 | 31270. | 30460. | 30800. | 193.8 |
| Stddev | 1.8 | 218. | 303. | 79. | 1.7 |
| %RSD | .9488 | .6978 | .9931 | .2556 | .8810 |
| #1 | 191.0 | 31420. | 30240. | 30740. | 195.0 |
| #2 | 188.4 | 31110. | 30670. | 30850. | 192.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.2 | 30810. | 190.8 | 204.6 | 411.5 |
| Stddev | .9 | 75. | 1.0 | 1.7 | 1.0 |
| %RSD | .4789 | .2439 | .5075 | .8226 | .2419 |
| #1 | 197.5 | 30760. | 190.1 | 203.4 | 410.8 |
| #2 | 198.9 | 30860. | 191.5 | 205.8 | 412.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 12:30:37 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 295.4 | 96.71 | 1032. | 199.3 | 302.4 |
| Stddev | 2.2 | 2.31 | 6. | 1.1 | 2.4 |
| %RSD | .7346 | 2.391 | .5855 | .5609 | .7982 |
| #1 | 293.8 | 95.08 | 1036. | 200.0 | 304.1 |
| #2 | 296.9 | 98.35 | 1028. | 198.5 | 300.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 400.4 | 99.00 | 204.9 | 202.0 |
| Stddev | 3.6 | .36 | 1.4 | .9 |
| %RSD | .9065 | .3610 | .6695 | .4213 |
| #1 | 402.9 | 99.26 | 205.9 | 201.4 |
| #2 | 397.8 | 98.75 | 204.0 | 202.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 12:30:37 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 387.87 | 3572.5 | 3739.9 | 4718.2 |
| Stddev | 1.31 | 6.8 | 8.9 | 5.9 |
| %RSD | .33885 | .19058 | .23731 | .12514 |
| #1 | 386.94 | 3567.7 | 3733.6 | 4714.0 |
| #2 | 388.80 | 3577.3 | 3746.2 | 4722.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 12:34:26 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6923 | 16.98 | 1.319 | 2.005 | -1.430 |
| Stddev | .9262 | 27.82 | .070 | .123 | 2.197 |
| %RSD | 133.8 | 163.8 | 5.283 | 6.149 | 153.7 |

#1 -0374 36.65 1.269 2.092 -2.983
 #2 -1.347 -2.687 1.368 1.918 .1238

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1833 | 54.09 | -1.950 | -0.020 | .1863 |
| Stddev | .0736 | 44.21 | .0922 | .2656 | .0267 |
| %RSD | 40.13 | 81.73 | 47.30 | 829.6 | 14.33 |

#1 .1313 22.83 -2.602 -2.198 .1674
 #2 .2354 85.36 -1.298 .1558 .2051

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 12:34:26 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2051 | -5.100 | -22.96 | -11.79 | .0195 |
| Stddev | .5861 | 3.947 | 130.8 | 25.31 | .0411 |
| %RSD | 285.7 | 77.40 | 569.8 | 214.6 | 210.6 |

#1 -2093 -7.891 69.56 6.101 .0485
 #2 .6196 -2.309 -115.5 -29.69 -.0095

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4193 | -3.861 | .0065 | 1.164 | -1.112 |
| Stddev | .5039 | 1.767 | .0743 | .067 | .126 |
| %RSD | 120.2 | 45.78 | 1142. | 5.767 | 11.34 |

#1 .7756 -2.611 -.0460 1.116 -1.201
 #2 .0631 -5.111 .0591 1.211 -1.023

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 12:34:26 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.568 | .3517 | -1.152 | -.5875 | .0276 |
| Stddev | .266 | 7.756 | .049 | .5177 | .0176 |
| %RSD | 16.98 | 2205. | 4.269 | 88.12 | 63.76 |

#1 1.756 -5.133 -1.187 -.2214 .0401
 #2 1.379 5.836 -1.118 -.9536 .0152

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .2618 | -.3765 | -.2394 | -.1631 |
| Stddev | .3365 | .8107 | .6771 | .1015 |
| %RSD | 128.5 | 215.3 | 282.9 | 62.23 |

#1 .4997 .1968 -.7182 -.0913
 #2 .0239 -.9498 .2394 -.2349

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 12:34:26 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 421.85 | 3641.5 | 3805.3 | 4715.7 |
| Stddev | .92 | 48.4 | 5.6 | 11.8 |
| %RSD | .21903 | 1.3279 | .14647 | .24929 |

#1 421.19 3607.3 3801.4 4707.4
 #2 422.50 3675.7 3809.2 4724.0

Sample Name: 829222L Acquired: 5/20/2010 12:38:21 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.569 | 3110. | -6.194 | 43.83 | 53.04 |
| Stddev | 3.508 | 182. | 3.321 | .78 | 1.02 |
| %RSD | 223.6 | 5.864 | 53.61 | 1.770 | 1.931 |
| #1 | 4.049 | 2981. | -3.846 | 43.28 | 52.32 |
| #2 | -.9115 | 3239. | -8.543 | 44.38 | 53.77 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7054 | 21330. | 7.651 | 3.545 | 10.46 |
| Stddev | .6760 | 453. | .574 | 1.215 | 1.11 |
| %RSD | 95.84 | 2.125 | 7.507 | 34.29 | 10.61 |
| #1 | 1.183 | 21650. | 7.245 | 2.686 | 9.673 |
| #2 | .2274 | 21010. | 8.057 | 4.405 | 11.24 |

Check ? Value Range
 None None None None None

Sample Name: 829222L Acquired: 5/20/2010 12:38:21 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 55.82 | 5441. | 46000. | 5096. | 307.0 |
| Stddev | 4.50 | 41. | 904. | 14. | .2 |
| %RSD | 8.054 | .7475 | 1.965 | .2656 | .0713 |
| #1 | 59.00 | 5469. | 46640. | 5105. | 306.8 |
| #2 | 52.64 | 5412. | 45360. | 5086. | 307.1 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 105.5 | 113.7 | 10.21 | 2898. | 10.01 |
| Stddev | 1.1 | 63.0 | 2.63 | 13. | 5.76 |
| %RSD | 1.077 | 55.36 | 25.72 | .4461 | 57.52 |
| #1 | 106.3 | 158.3 | 8.357 | 2889. | 5.941 |
| #2 | 104.7 | 69.22 | 12.07 | 2907. | 14.09 |

Check ? Value Range
 None None None None None

Sample Name: 829222L Acquired: 5/20/2010 12:38:21 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.65 | -.1114 | 1908. | 4.996 | 231.5 |
| Stddev | 4.40 | 9.997 | 10. | 1.046 | 1.3 |
| %RSD | 37.76 | 8977. | .5268 | 20.94 | .5406 |
| #1 | 8.538 | -7.180 | 1916. | 4.256 | 230.6 |
| #2 | 14.76 | 6.958 | 1901. | 5.735 | 232.4 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 101.6 | -10.51 | 15.58 | 251.1 |
| Stddev | 2.9 | 1.01 | 1.07 | .2 |
| %RSD | 2.888 | 9.574 | 6.890 | .0878 |
| #1 | 99.49 | -9.801 | 14.82 | 250.9 |
| #2 | 103.6 | -11.22 | 16.34 | 251.2 |

Check ? Value Range
 None None None None

Sample Name: 829222L Acquired: 5/20/2010 12:38:21 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 423.01 | 3703.5 | 3852.6 | 4809.0 |
| Stddev | 1.29 | 3.5 | 3.3 | 24.5 |
| %RSD | .30599 | .09415 | .08466 | .50912 |
| #1 | 423.93 | 3705.9 | 3854.9 | 4826.3 |
| #2 | 422.10 | 3701.0 | 3850.3 | 4791.7 |

Check ? Value Range
 None None None None

Sample Name: 829222A Acquired: 5/20/2010 12:42:14 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3983 | 5225 | 41.76 | 518.0 | 2113 |
| Stddev | 1.937 | 57 | 1.47 | 0 | 8 |
| %RSD | 486.4 | 1.097 | 3.510 | .0004 | .3720 |

#1 .9715 5265 40.73 518.0 2118.
 #2 -1.768 5184. 42.80 518.0 2107.

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 55.39 | 20780. | 58.31 | 470.8 | 221.7 |
| Stddev | 49 | 125. | .04 | 3 | 0 |
| %RSD | .8764 | .6003 | .0735 | .0547 | .0058 |

#1 55.73 20690. 58.34 471.0 221.7
 #2 55.05 20870. 58.27 470.7 221.8

Check ? Value Range
 None None None None None

Sample Name: 829222A Acquired: 5/20/2010 12:42:14 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 313.4 | 6468. | 44330. | 5044. | 787.5 |
| Stddev | .7 | 5. | 5. | 51. | .3 |
| %RSD | .2083 | .0769 | .0112 | 1.003 | .0385 |

#1 312.9 6471. 44330. 5008. 787.7
 #2 313.8 6464. 44340. 5080. 787.3

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 607.9 | 177.4 | 480.1 | 3307. | 29.97 |
| Stddev | 0 | 37.1 | .8 | 1. | .49 |
| %RSD | .0045 | 20.90 | .1729 | .0336 | 1.631 |

#1 607.9 151.2 479.5 3308. 29.62
 #2 608.0 203.6 480.7 3307. 30.31

Check ? Value Range
 None None None None None

Sample Name: 829222A Acquired: 5/20/2010 12:42:14 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 482.7 | 53.50 | 2398. | 478.1 | 698.5 |
| Stddev | 1.0 | 4.47 | 8. | .1 | 2.6 |
| %RSD | .2074 | 8.361 | .3324 | .0188 | .3780 |

#1 482.0 56.66 2392. 478.0 700.4
 #2 483.4 50.33 2404. 478.1 696.7

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWRD) | (In2306) | (Y_HWRD) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 584.9 | 50.04 | 521.7 | 722.9 |
| Stddev | .9 | 1.35 | 2.1 | .6 |
| %RSD | .1580 | 2.690 | .4108 | .0809 |

#1 584.3 50.99 520.2 722.5
 #2 585.6 49.08 523.2 723.3

Check ? Value Range
 None None None None

Sample Name: 829222A Acquired: 5/20/2010 12:42:14 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 406.73 | 3655.1 | 3815.5 | 4785.6 |
| Stddev | .76 | 10.5 | 2.1 | 7.1 |
| %RSD | .18616 | .28708 | .05476 | .14814 |

#1 407.27 3662.5 3817.0 4790.6
 #2 406.20 3647.7 3814.0 4780.6

Sample Name: 829222MS Acquired: 5/20/2010 12:46:09 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 47.62 | 5366. | 45.17 | 485.6 | 2017. |
| Stddev | .24 | 76. | .74 | 2.5 | 5. |
| %RSD | .5090 | 1.415 | 1.636 | .5111 | .2536 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 47.79 | 5312. | 45.69 | 483.8 | 2020. |
| #2 | 47.45 | 5419. | 44.65 | 487.3 | 2013. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.67 | 16740. | 55.72 | 437.8 | 217.0 |
| Stddev | .00 | 84. | .03 | 1.0 | .6 |
| %RSD | .0001 | .5011 | .0567 | .2276 | .2613 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 53.67 | 16680. | 55.75 | 437.1 | 216.6 |
| #2 | 53.67 | 16800. | 55.70 | 438.5 | 217.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829222MS Acquired: 5/20/2010 12:46:09 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 301.3 | 5537. | 40440. | 4282. | 675.1 |
| Stddev | 1.5 | 13. | 84. | 51. | 1.1 |
| %RSD | .4906 | .2271 | .2083 | 1.183 | .1696 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 302.3 | 5546. | 40380. | 4246. | 675.9 |
| #2 | 300.2 | 5528. | 40500. | 4318. | 674.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 630.2 | 166.1 | 477.9 | 3394. | 26.76 |
| Stddev | 2.3 | 13.6 | 2.2 | 2. | 1.78 |
| %RSD | .3690 | 8.179 | .4578 | .0733 | 6.648 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 628.6 | 156.4 | 476.3 | 3392. | 25.50 |
| #2 | 631.9 | 175.7 | 479.4 | 3396. | 28.02 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829222MS Acquired: 5/20/2010 12:46:09 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 446.7 | 54.42 | 3134. | 491.4 | 663.2 |
| Stddev | .9 | .44 | 16. | .6 | 2.9 |
| %RSD | .2003 | .8026 | .4986 | .1219 | .4421 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 447.4 | 54.72 | 3145. | 491.0 | 665.3 |
| #2 | 446.1 | 54.11 | 3123. | 491.8 | 661.1 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 558.6 | 50.34 | 499.2 | 685.6 |
| Stddev | .5 | .79 | .5 | .7 |
| %RSD | .0983 | 1.578 | .1098 | .1086 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 559.0 | 49.78 | 499.6 | 685.1 |
| #2 | 558.2 | 50.90 | 498.8 | 686.2 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829222MS Acquired: 5/20/2010 12:46:09 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 404.19 | 3638.6 | 3791.2 | 4757.8 |
| Stddev | .31 | 7.1 | 6.9 | 25.7 |
| %RSD | .07710 | .19639 | .18153 | .54023 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 403.97 | 3643.7 | 3796.1 | 4776.0 |
| #2 | 404.41 | 3633.6 | 3786.4 | 4739.6 |

Sample Name: 829222DP Acquired: 5/20/2010 12:50:04 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.826 | 3477. | 3.662 | 40.82 | 88.06 |
| Stddev | .4388 | 18. | .589 | 1.07 | .60 |
| %RSD | 531.3 | .5286 | 16.07 | 2.617 | .6778 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | .2277 | 3490. | 3.246 | 41.57 | 88.48 |
| #2 | -.3929 | 3464. | 4.078 | 40.06 | 87.64 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3837 | 23750. | 7.740 | 3.006 | 12.35 |
| Stddev | .0511 | 147. | .017 | .411 | .01 |
| %RSD | 13.32 | .6206 | .2226 | 13.66 | .1165 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .4198 | 23850. | 7.728 | 2.715 | 12.34 |
| #2 | .3475 | 23650. | 7.753 | 3.296 | 12.36 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829222DP Acquired: 5/20/2010 12:50:04 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 67.14 | 6038. | 47680. | 5777. | 290.6 |
| Stddev | .11 | 5. | 134. | 47. | .4 |
| %RSD | .1681 | .0766 | .2800 | .8179 | .1442 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 67.06 | 6035. | 47590. | 5810. | 290.9 |
| #2 | 67.22 | 6041. | 47780. | 5743. | 290.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 145.4 | 182.0 | 9.328 | 3235. | 9.221 |
| Stddev | 1.1 | 4.9 | .299 | 13. | 2.716 |
| %RSD | .7775 | 2.702 | 3.206 | .4013 | 29.46 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 144.6 | 185.5 | 9.539 | 3225. | 7.301 |
| #2 | 146.2 | 178.6 | 9.116 | 3244. | 11.14 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829222DP Acquired: 5/20/2010 12:50:04 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.212 | 1.504 | 2306. | 8.698 | 251.2 |
| Stddev | .517 | 1.826 | 4. | .805 | .4 |
| %RSD | 12.26 | 121.4 | .1554 | 9.261 | .1661 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 3.847 | 2.795 | 2309. | 9.268 | 251.5 |
| #2 | 4.578 | .2127 | 2304. | 8.129 | 250.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 141.2 | -4.926 | 15.86 | 288.8 |
| Stddev | 1.7 | 2.711 | .73 | .5 |
| %RSD | 1.210 | 55.03 | 4.625 | .1784 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 142.4 | -6.843 | 15.34 | 288.4 |
| #2 | 140.0 | -3.010 | 16.38 | 289.2 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829222DP Acquired: 5/20/2010 12:50:04 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 404.00 | 3621.9 | 3784.6 | 4740.6 |
| Stddev | 1.65 | 8.8 | 2.8 | 20.9 |
| %RSD | .40839 | .24176 | .07285 | .44030 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 405.17 | 3628.1 | 3786.5 | 4755.3 |
| #2 | 402.84 | 3615.7 | 3782.6 | 4725.8 |

Sample Name: 829223 Acquired: 5/20/2010 12:53:58 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0224 | 195.3 | 1.556 | 16.03 | 35.24 |
| Stddev | .4760 | 21.1 | .085 | .76 | 1.49 |
| %RSD | 2129. | 10.81 | 5.467 | 4.742 | 4.225 |

#1 -.3142 210.2 1.496 16.57 36.29
 #2 .3589 180.4 1.616 15.49 34.19

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2178 | 13190. | .9351 | .2624 | 2.380 |
| Stddev | .1233 | 94. | .0986 | .3171 | .098 |
| %RSD | 56.62 | .7157 | 10.55 | 120.9 | 4.122 |

#1 .1306 13260. .8654 .0382 2.450
 #2 .3050 13130. 1.005 .4866 2.311

Check ? Value Range
 None None None None None

Sample Name: 829223 Acquired: 5/20/2010 12:53:58 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 22.47 | 525.1 | 78350. | 3016. | 236.7 |
| Stddev | 1.30 | 4.4 | 180. | 25. | .4 |
| %RSD | 5.781 | .8331 | .2294 | .8442 | .1504 |

#1 23.39 528.2 78230. 3034. 237.0
 #2 21.55 522.0 78480. 2998. 236.5

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 88.05 | 39.38 | .9688 | 5870. | .8755 |
| Stddev | .10 | 11.82 | .5171 | 32. | .9375 |
| %RSD | .1131 | 30.01 | 53.38 | .5482 | 107.1 |

#1 88.12 47.74 .6031 5848. 1.538
 #2 87.98 31.02 1.334 5893. .2125

Check ? Value Range
 None None None None None

Sample Name: 829223 Acquired: 5/20/2010 12:53:58 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.760 | 4.211 | 3453. | 7.537 | 116.4 |
| Stddev | 1.785 | 1.085 | 5. | .344 | .1 |
| %RSD | 101.4 | 25.77 | .1376 | 4.566 | .0677 |

#1 3.021 4.978 3449. 7.781 116.4
 #2 .4978 3.444 3456. 7.294 116.5

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 10.10 | -3.425 | 1.850 | 163.2 |
| Stddev | .02 | .168 | .168 | .7 |
| %RSD | .2436 | 4.912 | 9.060 | .4162 |

#1 10.12 -3.544 1.731 162.7
 #2 10.09 -3.306 1.968 163.7

Check ? Value Range
 None None None None

Sample Name: 829223 Acquired: 5/20/2010 12:53:58 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 402.39 | 3629.5 | 3782.5 | 4725.3 |
| Stddev | .23 | 3.2 | .3 | 13.6 |
| %RSD | .05799 | .08830 | .00887 | .28809 |

#1 402.56 3627.2 3782.3 4715.7
 #2 402.23 3631.7 3782.8 4734.9

Sample Name: 829224 Acquired: 5/20/2010 12:57:52 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.080 | 14390. | 7.214 | 13.83 | 117.4 |
| Stddev | .612 | 68. | 1.613 | .21 | 2.5 |
| %RSD | 56.68 | .4714 | 22.35 | 1.487 | 2.150 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .6474 | 14340. | 8.355 | 13.68 | 119.2 |
| #2 | 1.514 | 14440. | 6.074 | 13.98 | 115.7 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.285 | 24300. | 2.898 | 12.23 | 42.61 |
| Stddev | .285 | 94. | .089 | .24 | .11 |
| %RSD | 22.20 | .3870 | 3.065 | 1.964 | .2539 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 1.487 | 24230. | 2.961 | 12.40 | 42.53 |
| #2 | 1.083 | 24360. | 2.835 | 12.06 | 42.69 |

Check ? Value Range
 None None None None None

Sample Name: 829224 Acquired: 5/20/2010 12:57:52 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 115.6 | 25050. | 14920. | 8353. | 537.9 |
| Stddev | .0 | 27. | 75. | 38. | 1.3 |
| %RSD | .0258 | .1065 | .5009 | .4595 | .2423 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | 115.6 | 25030. | 14980. | 8326. | 536.9 |
| #2 | 115.6 | 25070. | 14870. | 8380. | 538.8 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 85.52 | 181.5 | 25.49 | 2449. | 27.80 |
| Stddev | .25 | 29.5 | .34 | 10. | .64 |
| %RSD | .2880 | 16.23 | 1.325 | .4253 | 2.286 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 85.34 | 160.7 | 25.72 | 2442. | 27.35 |
| #2 | 85.69 | 202.4 | 25.25 | 2456. | 28.25 |

Check ? Value Range
 None None None None None

Sample Name: 829224 Acquired: 5/20/2010 12:57:52 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.814 | 2.898 | 2849. | 6.268 | 163.0 |
| Stddev | .057 | 1.273 | 9. | .371 | 1.0 |
| %RSD | 3.123 | 43.94 | .3178 | 5.923 | .6015 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1.774 | 1.998 | 2843. | 6.006 | 163.6 |
| #2 | 1.854 | 3.798 | 2855. | 6.531 | 162.3 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 388.5 | -5.842 | 42.20 | 268.4 |
| Stddev | .1 | 1.000 | .94 | 1.2 |
| %RSD | .0192 | 17.11 | 2.223 | .4390 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 388.5 | -6.549 | 41.54 | 267.6 |
| #2 | 388.6 | -5.135 | 42.86 | 269.3 |

Check ? Value Range
 None None None None

Sample Name: 829224 Acquired: 5/20/2010 12:57:52 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 410.80 | 3707.9 | 3875.2 | 4861.1 |
| Stddev | 2.30 | 7.9 | 3.9 | 13.5 |
| %RSD | .56014 | .21437 | .10046 | .27674 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 412.43 | 3713.5 | 3878.0 | 4851.6 |
| #2 | 409.18 | 3702.2 | 3872.5 | 4870.7 |

Sample Name: 829225 Acquired: 5/20/2010 13:01:43 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4627 | 874.2 | 2.028 | 91.65 | 47.71 |
| Stddev | .7845 | 4.1 | 1.870 | .45 | 5.18 |
| %RSD | 169.5 | .4672 | 92.23 | .4961 | 10.86 |

#1 -0920 877.1 3.350 91.33 51.38
 #2 1.017 871.3 .7052 91.97 44.05

Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1300 | 67020. | 5.735 | 1.237 | 3.738 |
| Stddev | .1591 | 20. | .034 | .015 | .092 |
| %RSD | 122.4 | .0294 | .5927 | 1.240 | 2.474 |

#1 .2426 67000. 5.759 1.248 3.803
 #2 .0175 67030. 5.711 1.226 3.672

Check ? None None None None None
 Value
 Range

Sample Name: 829225 Acquired: 5/20/2010 13:01:43 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 71.70 | 1929. | 74630. | 4448. | 233.2 |
| Stddev | 1.07 | 1. | 45. | 28. | .4 |
| %RSD | 1.491 | .0600 | .0603 | .6261 | .1892 |

#1 72.46 1930. 74600. 4428. 233.5
 #2 70.94 1928. 74660. 4467. 232.9

Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.7 | 57.64 | 8.514 | 5074. | 6.217 |
| Stddev | .3 | 7.46 | .112 | 11. | .443 |
| %RSD | .2568 | 12.94 | 1.313 | .2200 | 7.127 |

#1 100.5 52.37 8.593 5067. 6.531
 #2 100.9 62.91 8.435 5082. 5.904

Check ? None None None None None
 Value
 Range

Sample Name: 829225 Acquired: 5/20/2010 13:01:43 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.719 | 3.499 | 1465. | 9.331 | 482.6 |
| Stddev | .574 | 2.355 | 11. | .047 | 3.8 |
| %RSD | 21.09 | 67.31 | .7368 | .5071 | .7890 |

#1 2.314 1.834 1473. 9.364 479.9
 #2 3.125 5.164 1457. 9.297 485.3

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 46.66 | -4.494 | 4.026 | 491.0 |
| Stddev | .36 | 1.416 | .196 | .5 |
| %RSD | .7628 | 31.51 | 4.875 | .1049 |

#1 46.41 -5.495 3.887 490.6
 #2 46.91 -3.493 4.164 491.3

Check ? None None None None
 Value
 Range

Sample Name: 829225 Acquired: 5/20/2010 13:01:43 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 394.12 | 3590.2 | 3766.1 | 4752.1 |
| Stddev | .81 | 2.6 | 4.9 | 27.6 |
| %RSD | .20527 | .07279 | .13139 | .58154 |

#1 394.69 3588.3 3769.6 4771.6
 #2 393.54 3592.0 3762.6 4732.6

Sample Name: 829226 Acquired: 5/20/2010 13:05:43 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0731 | 3197. | 2.824 | 76.24 | 68.24 |
| Stddev | .7848 | 43. | 3.408 | .93 | 2.53 |
| %RSD | 1074. | 1.346 | 120.7 | 1.216 | 3.702 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | .6280 | 3228. | 5.234 | 75.58 | 66.45 |
| #2 | -.4819 | 3167. | .4145 | 76.89 | 70.02 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3120 | 31200. | 4.650 | 4.034 | 9.292 |
| Stddev | .0974 | 147. | .239 | .330 | .129 |
| %RSD | 31.20 | .4724 | 5.146 | 8.174 | 1.390 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .3809 | 31300. | 4.819 | 3.801 | 9.201 |
| #2 | .2432 | 31090. | 4.480 | 4.267 | 9.384 |

Check ? Value Range
 None None None None None

Sample Name: 829226 Acquired: 5/20/2010 13:05:43 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 143.6 | 5834. | 43950. | 3030. | 309.8 |
| Stddev | .1 | 5. | 162. | 77. | .5 |
| %RSD | .0502 | .0781 | .3695 | 2.553 | .1646 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 143.6 | 5837. | 43830. | 2976. | 310.2 |
| #2 | 143.7 | 5831. | 44060. | 3085. | 309.5 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 329.3 | 125.0 | 9.244 | 1793. | 12.86 |
| Stddev | 1.1 | 45.9 | 7.00 | 2. | 1.72 |
| %RSD | .3306 | 36.77 | 7.576 | .1005 | 13.40 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 328.6 | 157.4 | 8.749 | 1792. | 14.08 |
| #2 | 330.1 | 92.47 | 9.739 | 1794. | 11.64 |

Check ? Value Range
 None None None None None

Sample Name: 829226 Acquired: 5/20/2010 13:05:43 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.086 | 2.270 | 1795. | 6.099 | 314.5 |
| Stddev | 1.268 | 2.424 | 4. | .333 | .6 |
| %RSD | 41.09 | 106.8 | .2126 | 5.454 | .1870 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 3.983 | .5565 | 1798. | 6.334 | 314.1 |
| #2 | 2.189 | 3.984 | 1792. | 5.863 | 314.9 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 123.6 | -6.256 | 19.07 | 262.9 |
| Stddev | .3 | 1.272 | 1.46 | .6 |
| %RSD | .2434 | 20.34 | 7.651 | .2269 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 123.4 | -7.156 | 18.03 | 262.5 |
| #2 | 123.8 | -5.357 | 20.10 | 263.3 |

Check ? Value Range
 None None None None

Sample Name: 829226 Acquired: 5/20/2010 13:05:43 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 410.74 | 3687.5 | 3870.9 | 4810.5 |
| Stddev | .29 | 6.2 | 7.7 | 8.0 |
| %RSD | .06974 | .16776 | .19861 | .16632 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 410.54 | 3683.1 | 3865.5 | 4816.2 |
| #2 | 410.94 | 3691.9 | 3876.4 | 4804.9 |

Sample Name: 829227 Acquired: 5/20/2010 13:09:35 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 396.152 { 85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4333 | 106.4 | 3.057 | 18.37 | 52.24 |
| Stddev | .1779 | 6.5 | .646 | .28 | 2.99 |
| %RSD | 41.06 | 6.085 | 21.14 | 1.547 | 5.725 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .5591 | 111.0 | 2.600 | 18.57 | 50.13 |
| #2 | .3075 | 101.9 | 3.513 | 18.17 | 54.36 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0954 | 14380. | .4297 | .2784 | 1.540 |
| Stddev | .4033 | 105. | .0788 | .0887 | .050 |
| %RSD | 422.8 | .7282 | 18.34 | 31.85 | 3.272 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.1898 | 14310. | .3740 | .3411 | 1.576 |
| #2 | .3806 | 14460. | .4854 | .2157 | 1.505 |

Check ? Value Range

Sample Name: 829227 Acquired: 5/20/2010 13:09:35 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 15.91 | 253.5 | 74460. | 3863. | 255.8 |
| Stddev | .24 | 2.2 | 54. | 20. | .0 |
| %RSD | 1.533 | .8849 | .0729 | .5227 | .0001 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 16.08 | 255.1 | 74500. | 3848. | 255.8 |
| #2 | 15.73 | 251.9 | 74420. | 3877. | 255.8 |

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 {467} | 589.592 { 57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 171.5 | 64.11 | .7145 | 6344. | .4121 |
| Stddev | .3 | 12.55 | 5093 | 2. | .7338 |
| %RSD | .1919 | 19.58 | 71.28 | .0391 | 178.1 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | 171.3 | 55.23 | .3544 | 6343. | .9310 |
| #2 | 171.7 | 72.98 | 1.075 | 6346. | -.1068 |

Check ? Value Range

Sample Name: 829227 Acquired: 5/20/2010 13:09:35 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 { 83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.878 | 4.835 | 3715. | 7.001 | 119.6 |
| Stddev | 1.509 | 2.625 | 7. | .756 | .1 |
| %RSD | 80.34 | 54.30 | .1815 | 10.80 | .0939 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.945 | 6.692 | 3710. | 7.536 | 119.7 |
| #2 | .8110 | 2.979 | 3720. | 6.467 | 119.5 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.505 | -3.670 | 2.761 | 132.8 |
| Stddev | .268 | .789 | .332 | .1 |
| %RSD | 5.953 | 21.51 | 12.01 | .0980 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 4.695 | -4.229 | 2.526 | 132.9 |
| #2 | 4.316 | -3.112 | 2.995 | 132.7 |

Check ? Value Range

Sample Name: 829227 Acquired: 5/20/2010 13:09:35 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 405.70 | 3628.0 | 3817.6 | 4791.6 |
| Stddev | 1.70 | 7.4 | 6.4 | 19.0 |
| %RSD | .41980 | .20293 | .16665 | .39681 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 404.49 | 3622.8 | 3813.1 | 4778.1 |
| #2 | 406.90 | 3633.2 | 3822.1 | 4805.0 |

Sample Name: 829228 Acquired: 5/20/2010 13:13:28 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1461 | 9476. | 7.193 | 16.27 | 329.3 |
| Stddev | .4406 | 21. | .222 | .39 | 3.3 |
| %RSD | 301.6 | .2200 | 3.084 | 2.420 | .9994 |

#1 .4577 9491. 7.350 16.55 327.0
 #2 -.1655 9461. 7.036 15.99 331.6

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7207 | 52530. | .8929 | 8.743 | 15.86 |
| Stddev | .2932 | | .1720 | .157 | .08 |
| %RSD | 40.69 | .0006 | 19.26 | 1.793 | .5215 |

#1 .5134 52530. 7.714 8.854 15.92
 #2 .9280 52530. 1.015 8.633 15.80

Check ? Value Range
 None None None None None

Sample Name: 829228 Acquired: 5/20/2010 13:13:28 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 83.34 | 11730. | 14810. | 6144. | 343.5 |
| Stddev | .30 | 21. | 7. | 16. | .8 |
| %RSD | .3597 | .1808 | .0441 | .2544 | .2309 |

#1 83.55 11750. 14810. 6133. 344.1
 #2 83.13 11720. 14800. 6155. 343.0

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.3 | 411.4 | 12.11 | 2084. | 10.34 |
| Stddev | .4 | 44.6 | 1.08 | | .06 |
| %RSD | .3491 | 10.85 | 8.934 | .0191 | .5882 |

#1 100.0 379.9 12.87 2084. 10.30
 #2 100.5 443.0 11.34 2083. 10.39

Check ? Value Range
 None None None None None

Sample Name: 829228 Acquired: 5/20/2010 13:13:28 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.124 | 3.043 | 2774. | 7.766 | 211.5 |
| Stddev | .790 | 1.292 | 12. | .069 | .7 |
| %RSD | 37.17 | 42.46 | .4347 | .8817 | .3465 |

#1 2.683 2.129 2782. 7.814 211.0
 #2 1.566 3.957 2765. 7.717 212.0

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 273.0 | -4.941 | 42.97 | 133.6 |
| Stddev | .2 | .903 | .77 | .1 |
| %RSD | .0883 | 18.29 | 1.799 | .0879 |

#1 273.2 -5.580 43.52 133.5
 #2 272.8 -4.302 42.43 133.7

Check ? Value Range
 None None None None

Sample Name: 829228 Acquired: 5/20/2010 13:13:28 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 406.62 | 3666.1 | 3834.7 | 4833.6 |
| Stddev | 3.84 | 12.8 | 14.1 | 1.1 |
| %RSD | .94371 | .34959 | .36655 | .02207 |

#1 409.33 3657.0 3844.6 4834.4
 #2 403.90 3675.1 3824.7 4832.9

Sample Name: CCV Acquired: 5/20/2010 13:17:19 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.53 | 30850 | 103.7 | 709.3 | 190.9 |
| Stddev | .07 | .78 | 1.9 | .4 | 2.0 |
| %RSD | .0689 | .2518 | 1.864 | .0542 | 1.044 |
| #1 | 96.58 | 30790 | 105.1 | 709.6 | 192.4 |
| #2 | 96.48 | 30900 | 102.4 | 709.1 | 189.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 102.5 | 30660 | 97.21 | 190.1 | 199.6 |
| Stddev | .4 | .99 | .58 | .4 | .5 |
| %RSD | .4246 | .3234 | .5933 | .1992 | .2477 |
| #1 | 102.1 | 30590 | 97.62 | 190.4 | 199.9 |
| #2 | 102.8 | 30730 | 96.80 | 189.8 | 199.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 13:17:19 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 189.5 | 31190 | 30460 | 31050 | 192.9 |
| Stddev | .2 | .58 | .53 | .82 | .7 |
| %RSD | .0965 | .1872 | .1754 | .2645 | .3520 |
| #1 | 189.6 | 31230 | 30420 | 30990 | 193.4 |
| #2 | 189.4 | 31150 | 30500 | 31100 | 192.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 197.6 | 30930 | 190.1 | 210.2 | 415.4 |
| Stddev | .1 | .48 | .5 | .4 | 1.6 |
| %RSD | .0564 | .1557 | .2753 | .1699 | .3760 |
| #1 | 197.6 | 30890 | 189.8 | 210.4 | 416.5 |
| #2 | 197.5 | 30960 | 190.5 | 209.9 | 414.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 13:17:19 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 295.8 | 98.02 | 1035 | 199.4 | 304.8 |
| Stddev | 1.9 | .14 | 6 | 1.4 | 1.4 |
| %RSD | .6475 | .1471 | .5380 | .7025 | .4444 |
| #1 | 294.4 | 98.12 | 1039 | 198.4 | 303.9 |
| #2 | 297.2 | 97.92 | 1032 | 200.4 | 305.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 399.8 | 99.79 | 203.5 | 202.3 |
| Stddev | .7 | .42 | .9 | .0 |
| %RSD | .1672 | .4176 | .4494 | .0121 |
| #1 | 400.2 | 100.1 | 204.2 | 202.3 |
| #2 | 399.3 | 99.50 | 202.9 | 202.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 13:17:19 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 390.78 | 3593.7 | 3769.3 | 4675.2 |
| Stddev | 1.14 | 4.2 | 17.4 | 24.1 |
| %RSD | .29059 | .11549 | .46072 | .51502 |
| #1 | 389.98 | 3590.8 | 3757.0 | 4692.2 |
| #2 | 391.59 | 3596.6 | 3781.5 | 4658.1 |

Sample Name: CCB Acquired: 5/20/2010 13:21:08 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 396.152 {85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0883 | 19.53 | -1.380 | 1.281 | 1.071 |
| Stddev | .1966 | 8.33 | 1.585 | .215 | .438 |
| %RSD | 222.7 | 42.66 | 114.9 | 16.81 | 40.89 |
| #1 | .2273 | 25.42 | -1.259 | 1.129 | 1.381 |
| #2 | -.0508 | 13.64 | .9830 | 1.434 | .7613 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1723 | 77.30 | -.0060 | .2229 | .1675 |
| Stddev | .0050 | 65.42 | .0250 | .2555 | .0534 |
| %RSD | 2.918 | 84.64 | 416.2 | 114.7 | 31.86 |
| #1 | .1759 | 123.6 | -.0236 | .4035 | .2053 |
| #2 | .1688 | 31.04 | .0117 | .0422 | .1298 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 13:21:08 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 {44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.103 | -8.874 | 131.4 | -3.320 | .0263 |
| Stddev | .821 | 2.048 | 141.7 | 22.73 | .0241 |
| %RSD | 74.48 | 23.08 | 107.8 | 684.6 | 91.69 |
| #1 | -.5220 | -10.32 | 231.6 | 12.75 | .0434 |
| #2 | -1.684 | -7.426 | 31.28 | -19.39 | .0093 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 {467} | 589.592 {57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0045 | 20.57 | .3184 | .5318 | -.9001 |
| Stddev | .2850 | 11.22 | .0393 | 3.117 | .6430 |
| %RSD | 6383. | 54.56 | 12.33 | 586.0 | 71.44 |
| #1 | .2060 | 28.50 | .3462 | 2.736 | -.4454 |
| #2 | -.1971 | 12.63 | .2907 | -1.672 | -1.355 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 13:21:08 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 {83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6419 | -2.457 | 1.121 | -.7768 | -.0177 |
| Stddev | 1.610 | .411 | .060 | 1.529 | .0173 |
| %RSD | 250.8 | 16.72 | 5.318 | 196.8 | 97.73 |
| #1 | -.4965 | -2.166 | 1.079 | .3044 | -.0299 |
| #2 | 1.780 | -2.747 | 1.163 | -1.858 | -.0055 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .3101 | -2.948 | -.1879 | -.1675 |
| Stddev | .6435 | 1.177 | .3605 | .0363 |
| %RSD | 207.5 | 39.92 | 191.8 | 21.65 |
| #1 | .7651 | -3.780 | -.4429 | -.1418 |
| #2 | -.1449 | -2.116 | .0670 | -.1931 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 13:21:08 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 {91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 425.39 | 3662.1 | 3853.3 | 4759.9 |
| Stddev | 1.24 | 3.2 | 5.5 | 34.9 |
| %RSD | .29103 | .08674 | .14369 | .73274 |
| #1 | 424.51 | 3664.4 | 3849.4 | 4784.6 |
| #2 | 426.26 | 3659.9 | 3857.2 | 4735.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: 829229 Acquired: 5/20/2010 13:25:04 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5122 | 436.2 | -1.361 | 81.44 | 102.1 |
| Stddev | 1.066 | 33.6 | 2.559 | .94 | 3.3 |
| %RSD | 208.1 | 7.708 | 188.0 | 1.152 | 3.242 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -1.266 | 412.5 | .4479 | 80.78 | 104.4 |
| #2 | .2416 | 460.0 | -3.170 | 82.11 | 99.74 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1730 | 91000. | .6174 | .2652 | .9986 |
| Stddev | .0282 | 65. | .1448 | .1622 | .1967 |
| %RSD | 16.29 | .0716 | 23.45 | 61.15 | 19.70 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .1929 | 91050. | .5150 | .1505 | 1.138 |
| #2 | .1530 | 90960. | .7198 | .3799 | .8595 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829229 Acquired: 5/20/2010 13:25:04 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.89 | 697.0 | 51970. | 11290. | 146.6 |
| Stddev | .51 | 2.8 | 283. | 77. | .0 |
| %RSD | 2.423 | .3958 | .5450 | .6814 | .0132 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 20.53 | 695.0 | 52170. | 11350. | 146.6 |
| #2 | 21.25 | 698.9 | 51770. | 11240. | 146.6 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 113.9 | 146.4 | 4.112 | 5645. | .9799 |
| Stddev | .4 | 64.5 | .204 | 6. | 2.015 |
| %RSD | .3114 | 44.08 | 4.961 | .1067 | 205.7 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | 113.6 | 192.0 | 4.256 | 5641. | -.4451 |
| #2 | 114.1 | 100.7 | 3.967 | 5649. | 2.405 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829229 Acquired: 5/20/2010 13:25:04 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.262 | 5.322 | 930.0 | 9.970 | 914.5 |
| Stddev | .170 | 4.996 | 8.1 | .259 | 3.2 |
| %RSD | 5.194 | 93.87 | .8737 | 2.595 | .3508 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 3.142 | 1.789 | 924.2 | 9.787 | 916.8 |
| #2 | 3.382 | 8.855 | 935.7 | 10.15 | 912.2 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 10.78 | -4.207 | 2.007 | 111.0 |
| Stddev | .20 | 1.266 | 1.175 | .3 |
| %RSD | 1.810 | 30.08 | 58.51 | .2733 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 10.65 | -5.102 | 1.177 | 110.8 |
| #2 | 10.92 | -3.312 | 2.838 | 111.2 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829229 Acquired: 5/20/2010 13:25:04 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 399.64 | 3637.5 | 3814.2 | 4813.8 |
| Stddev | 1.77 | 2.3 | 1.9 | 2.6 |
| %RSD | .44267 | .06214 | .05059 | .05321 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 398.39 | 3636.0 | 3812.8 | 4812.0 |
| #2 | 400.89 | 3639.1 | 3815.5 | 4815.6 |

Sample Name: 829230 Acquired: 5/20/2010 13:29:02 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.117 | 904.0 | 4.062 | 42.59 | 58.54 |
| Stddev | .8483 | 52.7 | 4.932 | .81 | 2.40 |
| %RSD | 7279. | 5.827 | 121.4 | 1.892 | 4.104 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -6115 | 866.7 | 7.550 | 42.02 | 56.84 |
| #2 | .5882 | 941.2 | .5744 | 43.16 | 60.24 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1243 | 24780. | .9238 | .9441 | 2.931 |
| Stddev | .0325 | .78. | .1434 | .1213 | .060 |
| %RSD | 26.12 | .3167 | 15.52 | 12.84 | 2.040 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .1013 | 24730. | .8224 | 1.030 | 2.974 |
| #2 | .1472 | 24840. | 1.025 | .8584 | 2.889 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829230 Acquired: 5/20/2010 13:29:02 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 25.41 | 1260. | 22570. | 7784. | 73.87 |
| Stddev | .02 | 6. | 78. | 83. | .21 |
| %RSD | .0678 | .5104 | .3469 | 1.067 | .2851 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 25.42 | 1256. | 22630. | 7843. | 73.73 |
| #2 | 25.40 | 1265. | 22520. | 7726. | 74.02 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 582.4 | 623.2 | 6.857 | 1129. | 2.409 |
| Stddev | .5 | 7.7 | .569 | 8. | .170 |
| %RSD | .0876 | 1.237 | 8.294 | .7403 | 7.072 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 582.0 | 617.8 | 7.259 | 1135. | 2.288 |
| #2 | 582.8 | 628.7 | 6.455 | 1123. | 2.529 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829230 Acquired: 5/20/2010 13:29:02 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.507 | 2.260 | 1559. | 6.101 | 390.5 |
| Stddev | 1.778 | 2.294 | 1. | .412 | 3.9 |
| %RSD | 50.71 | 101.5 | .0570 | 6.756 | 1.003 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 4.764 | .6380 | 1560. | 5.810 | 387.7 |
| #2 | 2.249 | 3.883 | 1558. | 6.393 | 393.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 27.38 | -5.690 | 21.30 | 84.75 |
| Stddev | .78 | .282 | .71 | .53 |
| %RSD | 2.841 | 4.953 | 3.331 | .6287 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 27.93 | -5.491 | 21.80 | 85.12 |
| #2 | 26.83 | -5.890 | 20.80 | 84.37 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829230 Acquired: 5/20/2010 13:29:02 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 413.84 | 3713.0 | 3873.7 | 4828.6 |
| Stddev | .51 | 3.7 | 9.1 | 20.9 |
| %RSD | .12384 | .09992 | .23614 | .43236 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 413.47 | 3710.4 | 3867.2 | 4813.9 |
| #2 | 414.20 | 3715.6 | 3880.1 | 4843.4 |

Sample Name: 829231 Acquired: 5/20/2010 13:33:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4251 | 308.9 | .7863 | 147.3 | 19.47 |
| Stddev | .8609 | 58.1 | .2304 | .4 | 4.82 |
| %RSD | 202.5 | 18.80 | 29.30 | .2647 | 24.77 |
| #1 | 1.034 | 349.9 | .6234 | 147.0 | 16.06 |
| #2 | -.1836 | 267.8 | .9492 | 147.6 | 22.87 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2075 | 25390. | 4.603 | .3209 | 1.339 |
| Stddev | .2994 | 55. | .084 | .0017 | .489 |
| %RSD | 144.3 | .2168 | 1.825 | .5271 | 36.50 |
| #1 | .4192 | 25430. | 4.543 | .3221 | 1.684 |
| #2 | -.0042 | 25360. | 4.662 | .3197 | .9933 |

Check ? Value Range
 None None None None None

Sample Name: 829231 Acquired: 5/20/2010 13:33:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 50.41 | 450.6 | 59450. | 6439. | 425.5 |
| Stddev | .26 | 6.3 | 25. | 3. | .4 |
| %RSD | .5244 | 1.394 | .0420 | .0398 | .0849 |
| #1 | 50.60 | 446.1 | 59470. | 6441. | 425.8 |
| #2 | 50.23 | 455.0 | 59430. | 6437. | 425.3 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 85.98 | 148.3 | 3.255 | 6787. | 2.243 |
| Stddev | 1.02 | 26.2 | 1.729 | .870 | .870 |
| %RSD | 1.188 | 17.64 | 53.13 | .0025 | 38.78 |
| #1 | 86.71 | 129.8 | 4.478 | 6788. | 1.628 |
| #2 | 85.26 | 166.8 | 2.032 | 6787. | 2.859 |

Check ? Value Range
 None None None None None

Sample Name: 829231 Acquired: 5/20/2010 13:33:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.162 | 8.161 | 683.6 | 8.904 | 276.4 |
| Stddev | 1.572 | 1.252 | 7.9 | .195 | .5 |
| %RSD | 135.4 | 15.34 | 1.151 | 2.185 | .1678 |
| #1 | .0497 | 7.276 | 689.2 | 8.767 | 276.7 |
| #2 | 2.273 | 9.046 | 678.1 | 9.042 | 276.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9.887 | -6.989 | 1.661 | 675.9 |
| Stddev | .184 | 1.236 | .147 | .4 |
| %RSD | 1.862 | 17.68 | 8.838 | .0614 |
| #1 | 10.02 | -7.863 | 1.765 | 675.6 |
| #2 | 9.757 | -6.116 | 1.557 | 676.2 |

Check ? Value Range
 None None None None

Sample Name: 829231 Acquired: 5/20/2010 13:33:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 404.14 | 3651.0 | 3813.3 | 4774.6 |
| Stddev | 3.08 | 24.7 | 19.9 | 23.9 |
| %RSD | .76295 | .67782 | .52064 | .50039 |
| #1 | 401.96 | 3668.5 | 3799.3 | 4791.5 |
| #2 | 406.32 | 3633.5 | 3827.4 | 4757.7 |

Check ? Value Range
 None None None None

Sample Name: 829232 Acquired: 5/20/2010 13:36:54 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1490 | 514.0 | .6161 | 40.21 | 47.48 |
| Stddev | .0745 | 28.7 | .9759 | .41 | 8.57 |
| %RSD | 50.03 | 5.580 | 158.4 | 1.016 | 18.06 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | .0963 | 534.3 | 1.306 | 40.50 | 41.41 |
| #2 | .2017 | 493.7 | -.0739 | 39.92 | 53.54 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0367 | 13140. | 8.689 | 1.044 | 1.483 |
| Stddev | .2506 | 9. | .103 | .203 | .070 |
| %RSD | 683.4 | .0723 | 1.187 | 19.48 | 4.745 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | .2139 | 13150. | 8.616 | 1.187 | 1.533 |
| #2 | -.1405 | 13140. | 8.762 | .8998 | 1.433 |

Check ? Value Range
 None None None None None

Sample Name: 829232 Acquired: 5/20/2010 13:36:54 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 54.40 | 819.9 | 38000. | 5488. | 117.0 |
| Stddev | .09 | 5.9 | 303. | 32. | .1 |
| %RSD | .1582 | .7173 | .7971 | .5877 | .0788 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 54.46 | 815.7 | 38210. | 5511. | 117.0 |
| #2 | 54.34 | 824.1 | 37780. | 5466. | 117.1 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 138.3 | 2407. | 1.907 | 1789. | 1.863 |
| Stddev | .3 | 8. | .149 | 8. | 4.007 |
| %RSD | .1957 | .3272 | 7.805 | .4341 | 215.1 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | 138.1 | 2413. | 2.012 | 1794. | -.9708 |
| #2 | 138.5 | 2402. | 1.801 | 1783. | 4.696 |

Check ? Value Range
 None None None None None

Sample Name: 829232 Acquired: 5/20/2010 13:36:54 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.526 | 2.695 | 1063. | 6.154 | 173.7 |
| Stddev | 1.143 | .511 | 1. | .646 | .3 |
| %RSD | 32.40 | 18.95 | .1260 | 10.50 | .1524 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 4.334 | 3.057 | 1062. | 6.611 | 173.6 |
| #2 | 2.718 | 2.334 | 1064. | 5.697 | 173.9 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 15.56 | -6.780 | 8.748 | 204.3 |
| Stddev | .26 | .050 | .763 | .5 |
| %RSD | 1.646 | .7350 | 8.721 | .2633 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 15.74 | -6.815 | 8.208 | 204.7 |
| #2 | 15.38 | -6.744 | 9.287 | 204.0 |

Check ? Value Range
 None None None None

Sample Name: 829232 Acquired: 5/20/2010 13:36:54 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 413.56 | 3670.1 | 3841.2 | 4732.3 |
| Stddev | 4.11 | 14.7 | 21.0 | 6.2 |
| %RSD | .99320 | .40002 | .54663 | .13116 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 410.65 | 3659.7 | 3826.3 | 4727.9 |
| #2 | 416.46 | 3680.5 | 3856.0 | 4736.6 |

Sample Name: 829233 Acquired: 5/20/2010 13:40:48 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2217 | 207.9 | 2.816 | 24.11 | 14.04 |
| Stddev | .1927 | 19.3 | .844 | 1.04 | .57 |
| %RSD | 86.93 | 9.278 | 29.98 | 4.304 | 4.032 |

#1 .0854 221.6 2.219 24.85 13.64
 #2 .3579 194.3 3.413 23.38 14.44

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0321 | 14950. | 1.577 | .0140 | 1.309 |
| Stddev | .0132 | 103. | .088 | .0282 | .034 |
| %RSD | 41.14 | .6885 | 5.555 | 201.4 | 2.621 |

#1 .0415 15030. 1.638 -.0059 1.333
 #2 .0228 14880. 1.515 .0340 1.285

Check ? Value Range
 None None None None None

Sample Name: 829233 Acquired: 5/20/2010 13:40:48 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 34.87 | 469.4 | 63250. | 4337. | 103.6 |
| Stddev | .61 | 3.5 | 57. | 25. | .1 |
| %RSD | 1.749 | .7469 | .0902 | .5834 | .0917 |

#1 35.31 471.9 63290. 4319. 103.5
 #2 34.44 466.9 63210. 4355. 103.6

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 252.5 | 96.11 | 3.683 | 8587. | 5038 |
| Stddev | 5 | 55.56 | .290 | 4. | 1.089 |
| %RSD | .1902 | 57.81 | 7.886 | .0495 | 216.2 |

#1 252.2 56.82 3.889 8584. 1.274
 #2 252.9 135.4 3.478 8590. -2666

Check ? Value Range
 None None None None None

Sample Name: 829233 Acquired: 5/20/2010 13:40:48 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.082 | 9.446 | 2435. | 6.064 | 103.9 |
| Stddev | 2.103 | 3.332 | . | 1.042 | 1.0 |
| %RSD | 51.53 | 35.28 | .0182 | 17.18 | .9548 |

#1 2.594 7.090 2435. 6.801 104.6
 #2 5.569 11.80 2436. 5.328 103.2

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7.001 | -5.150 | 4.108 | 179.7 |
| Stddev | .300 | .701 | .093 | .0 |
| %RSD | 4.291 | 13.61 | 2.266 | .0034 |

#1 7.214 -4.654 4.042 179.7
 #2 6.789 -5.646 4.174 179.7

Check ? Value Range
 None None None None

Sample Name: 829233 Acquired: 5/20/2010 13:40:48 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 406.13 | 3637.1 | 3813.8 | 4750.9 |
| Stddev | .69 | 3.3 | 2.7 | 36.1 |
| %RSD | .17108 | .09011 | .07141 | .76067 |

#1 406.62 3639.4 3811.9 4725.3
 #2 405.64 3634.8 3815.7 4776.4

Sample Name: 829234 Acquired: 5/20/2010 13:44:42 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0336 | 5314 | 3.837 | 17.57 | 166.4 |
| Stddev | .6283 | .8 | 1.677 | 1.15 | 7.2 |
| %RSD | 1871. | .1449 | 43.72 | 6.540 | 4.330 |

#1 -4778 5319. 5.023 18.39 161.3
 #2 .4107 5308. 2.651 16.76 171.5

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5506 | 37870. | 1.301 | 5.691 | 10.71 |
| Stddev | .3868 | .3 | .114 | .294 | .26 |
| %RSD | 70.26 | .0082 | 8.795 | 5.160 | 2.444 |

#1 .8241 37870. 1.382 5.483 10.90
 #2 .2770 37870. 1.220 5.899 10.53

Check ? Value Range
 None None None None None

Sample Name: 829234 Acquired: 5/20/2010 13:44:42 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 137.3 | 8716. | 14070. | 5167. | 273.5 |
| Stddev | .3 | 31. | 136. | 26. | .2 |
| %RSD | .1887 | .3588 | .9657 | .5096 | .0553 |

#1 137.1 8694. 14170. 5148. 273.4
 #2 137.4 8739. 13980. 5185. 273.6

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 221.2 | 391.9 | 9.788 | 2626. | 13.73 |
| Stddev | .9 | 27.6 | .139 | .2 | 2.65 |
| %RSD | .4165 | 7.045 | 1.418 | .0841 | 19.27 |

#1 221.9 372.4 9.690 2624. 11.86
 #2 220.6 411.4 9.886 2627. 15.60

Check ? Value Range
 None None None None None

Sample Name: 829234 Acquired: 5/20/2010 13:44:42 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.726 | 4.513 | 2801. | 7.862 | 170.3 |
| Stddev | .515 | .043 | .3 | .036 | .5 |
| %RSD | 18.90 | .9571 | .1205 | .4532 | .2745 |

#1 3.090 4.483 2799. 7.887 170.0
 #2 2.361 4.544 2804. 7.836 170.7

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 148.2 | -5.376 | 46.31 | 157.3 |
| Stddev | 1.0 | .510 | .19 | .0 |
| %RSD | .6447 | 9.485 | .4146 | .0273 |

#1 147.6 -5.737 46.17 157.3
 #2 148.9 -5.016 46.44 157.4

Check ? Value Range
 None None None None

Sample Name: 829234 Acquired: 5/20/2010 13:44:42 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 411.89 | 3691.0 | 3869.0 | 4805.8 |
| Stddev | 1.15 | 5.9 | 11.1 | 13.7 |
| %RSD | .27811 | .16018 | .28589 | .28564 |

#1 412.70 3686.9 3861.2 4815.5
 #2 411.08 3695.2 3876.9 4796.1

Sample Name: 829235 Acquired: 5/20/2010 13:48:36 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 {103}2 | 396.152 {85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1332 | 594.4 | 1.274 | 90.68 | 168.9 |
| Stddev | .0285 | 44.1 | 1.409 | .92 | .2 |
| %RSD | 21.38 | 7.422 | 110.6 | 1.016 | .1423 |
| #1 | .1534 | 563.2 | 2.271 | 91.33 | 169.1 |
| #2 | .1131 | 625.6 | .2776 | 90.03 | 168.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0577 | 132200. | .4367 | .8040 | 1.997 |
| Stddev | .0934 | 127. | .1842 | .2993 | .195 |
| %RSD | 161.8 | .0964 | 42.16 | 37.22 | 9.771 |
| #1 | .1237 | 132300. | .3065 | .5924 | 1.859 |
| #2 | -.0083 | 132100. | .5670 | 1.016 | 2.135 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829235 Acquired: 5/20/2010 13:48:36 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 {44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.71 | 919.7 | 50370. | 13390. | 113.8 |
| Stddev | .58 | 2.1 | 14. | 39. | .1 |
| %RSD | 3.121 | .2293 | .0271 | .2890 | .1253 |
| #1 | 18.30 | 921.2 | 50380. | 13360. | 113.9 |
| #2 | 19.13 | 918.2 | 50360. | 13420. | 113.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 {467} | 589.592 {57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 243.1 | 126.9 | 3.351 | 4438. | 4.260 |
| Stddev | 1.9 | 32.7 | .785 | 4. | .060 |
| %RSD | .7691 | 25.79 | 23.41 | .0851 | 1.401 |
| #1 | 241.7 | 150.0 | 2.796 | 4435. | 4.302 |
| #2 | 244.4 | 103.7 | 3.906 | 4440. | 4.218 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829235 Acquired: 5/20/2010 13:48:36 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 {83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.300 | 4.970 | 1130. | 8.697 | 1237. |
| Stddev | .144 | 1.855 | 3. | .054 | 4. |
| %RSD | 4.356 | 37.33 | .2616 | .6168 | .3282 |
| #1 | 3.402 | 6.282 | 1128. | 8.735 | 1240. |
| #2 | 3.198 | 3.658 | 1132. | 8.659 | 1234. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 14.19 | -5.828 | 5.053 | 104.1 | |
| Stddev | .25 | .357 | .102 | .1 | |
| %RSD | 1.774 | 6.129 | 2.024 | .0986 | |
| #1 | 14.01 | -6.080 | 4.981 | 104.2 | |
| #2 | 14.37 | -5.575 | 5.126 | 104.0 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829235 Acquired: 5/20/2010 13:48:36 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 {91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 391.20 | 3578.1 | 3756.1 | 4730.4 |
| Stddev | 1.88 | 51.0 | 44.0 | 100.1 |
| %RSD | .48171 | 1.4247 | 1.1713 | 2.1168 |
| #1 | 392.53 | 3614.2 | 3787.3 | 4801.2 |
| #2 | 389.87 | 3542.1 | 3725.0 | 4659.6 |

Sample Name: 829236 Acquired: 5/20/2010 13:52:35 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0421 | 3064. | 4.972 | 35.30 | 111.3 |
| Stddev | .9954 | 38. | 3.053 | .48 | 1.5 |
| %RSD | 2364. | 1.256 | 61.41 | 1.360 | 1.314 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -6618 | 3091. | 2.813 | 34.96 | 110.2 |
| #2 | .7460 | 3037. | 7.131 | 35.64 | 112.3 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2936 | 23580. | 8874 | 3.494 | 6.406 |
| Stddev | .0149 | 36. | 1.477 | .222 | .233 |
| %RSD | 5.079 | .1543 | 16.64 | 6.338 | 3.640 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .3041 | 23550. | .9919 | 3.337 | 6.571 |
| #2 | .2830 | 23600. | .7830 | 3.650 | 6.241 |

Check ? Value Range
 None None None None None

Sample Name: 829236 Acquired: 5/20/2010 13:52:35 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 46.54 | 4848. | 30600. | 14730. | 144.3 |
| Stddev | .07 | 20. | 144. | 46. | .1 |
| %RSD | .1448 | .4215 | .4708 | .3115 | .0450 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 46.59 | 4833. | 30500. | 14760. | 144.3 |
| #2 | 46.49 | 4862. | 30700. | 14700. | 144.4 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 502.0 | 1709. | 9.471 | 1759. | 94.63 |
| Stddev | 8 | 4. | 685 | 2. | .47 |
| %RSD | .1534 | .2180 | 7.228 | .1349 | .4975 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 501.5 | 1706. | 8.987 | 1757. | 94.30 |
| #2 | 502.6 | 1712. | 9.955 | 1760. | 94.96 |

Check ? Value Range
 None None None None None

Sample Name: 829236 Acquired: 5/20/2010 13:52:35 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.204 | -.2938 | 2227. | 5.589 | 248.5 |
| Stddev | .852 | 3.011 | 4. | .160 | 2.0 |
| %RSD | 20.28 | 1025. | .1968 | 2.857 | .7950 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 3.601 | 1.836 | 2230. | 5.476 | 249.9 |
| #2 | 4.806 | -2.423 | 2224. | 5.702 | 247.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 91.75 | -4.417 | 40.38 | 131.4 |
| Stddev | .14 | .092 | 1.21 | .3 |
| %RSD | .1494 | 2.083 | 3.007 | .1984 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 91.66 | -4.482 | 41.24 | 131.3 |
| #2 | 91.85 | -4.352 | 39.52 | 131.6 |

Check ? Value Range
 None None None None

Sample Name: 829236 Acquired: 5/20/2010 13:52:35 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 400.10 | 3614.7 | 3790.3 | 4704.3 |
| Stddev | .24 | 19.4 | 2.5 | 4.2 |
| %RSD | .06048 | .53768 | .06514 | .08944 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 400.27 | 3628.5 | 3788.5 | 4707.3 |
| #2 | 399.93 | 3601.0 | 3792.0 | 4701.3 |

Sample Name: 829237 Acquired: 5/20/2010 13:56:27 Type: Blank
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 396.152 { 85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2289 | 957.6 | 3.837 | 64.57 | 53.85 |
| Stddev | 2353 | 11.2 | .108 | .04 | 3.11 |
| %RSD | 102.8 | 1.167 | 2.815 | .0549 | 5.783 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -3953 | 965.5 | 3.761 | 64.55 | 56.05 |
| #2 | -.0625 | 949.7 | 3.913 | 64.60 | 51.65 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3131 | 27260. | 3.398 | 2.230 | 3.216 |
| Stddev | .0232 | 65. | .378 | .099 | .033 |
| %RSD | 7.420 | .2402 | 11.14 | 4.457 | 1.013 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .3296 | 27210. | 3.130 | 2.160 | 3.193 |
| #2 | .2967 | 27310. | 3.665 | 2.301 | 3.239 |

Check ? Value Range
 None None None None None

Sample Name: 829237 Acquired: 5/20/2010 13:56:27 Type: Blank
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 103.8 | 1332. | 73630. | 10580. | 171.7 |
| Stddev | .8 | 12. | 217. | 2. | .1 |
| %RSD | .8056 | .8888 | .2953 | .0157 | .0640 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 103.2 | 1324. | 73480. | 10580. | 171.8 |
| #2 | 104.4 | 1341. | 73790. | 10580. | 171.6 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 {467} | 589.592 { 57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 307.6 | 1418. | 3.287 | 2891. | 5.988 |
| Stddev | .4 | 2. | .448 | 4. | 2.295 |
| %RSD | .1378 | .1626 | 13.62 | .1291 | 38.33 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 307.3 | 1416. | 2.970 | 2888. | 4.365 |
| #2 | 307.9 | 1420. | 3.603 | 2893. | 7.611 |

Check ? Value Range
 None None None None None

Sample Name: 829237 Acquired: 5/20/2010 13:56:27 Type: Blank
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 { 83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.592 | 6.067 | 1738. | 7.764 | 261.9 |
| Stddev | .672 | 5.634 | 2. | .716 | 2.9 |
| %RSD | 18.70 | 92.85 | .0867 | 9.219 | 1.125 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 3.117 | 2.084 | 1739. | 8.270 | 259.8 |
| #2 | 4.067 | 10.05 | 1737. | 7.258 | 263.9 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 25.58 | -6.478 | 40.58 | 194.2 |
| Stddev | .33 | 1.165 | .58 | .3 |
| %RSD | 1.285 | 17.99 | 1.432 | .1724 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 25.81 | -7.302 | 40.99 | 193.9 |
| #2 | 25.35 | -5.654 | 40.17 | 194.4 |

Check ? Value Range
 None None None None

Sample Name: 829237 Acquired: 5/20/2010 13:56:27 Type: Blank
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 395.83 | 3618.0 | 3792.1 | 4709.5 |
| Stddev | 1.30 | 17.3 | .3 | 28.6 |
| %RSD | .32850 | .47810 | .00811 | .60794 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 396.75 | 3605.8 | 3792.3 | 4729.7 |
| #2 | 394.92 | 3630.2 | 3791.8 | 4689.2 |

Sample Name: 829238 Acquired: 5/20/2010 14:00:21 Type: Blank
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2661 | 366.0 | 2.302 | 167.8 | 11.15 |
| Stddev | 1.275 | 22.5 | .416 | .1 | 3.44 |
| %RSD | 479.2 | 6.157 | 18.08 | .0563 | 30.82 |

#1 -6356 350.1 2.008 167.8 8.719
 #2 1.168 381.9 2.597 167.9 13.58

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0258 | 33590. | 3.740 | .4539 | 1.576 |
| Stddev | 2070 | 106. | .190 | .2126 | .049 |
| %RSD | 803.0 | .3119 | 5.073 | 46.85 | 3.117 |

#1 .1206 33660. 3.606 .3035 1.542
 #2 -.1721 33520. 3.874 .6042 1.611

Check ? None None None None None
 Value
 Range

Sample Name: 829238 Acquired: 5/20/2010 14:00:21 Type: Blank
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 59.68 | 737.0 | 71090. | 8668. | 510.2 |
| Stddev | .13 | 6.9 | 197. | 42. | 1.4 |
| %RSD | .2208 | .9330 | .2776 | .4901 | .2758 |

#1 59.59 732.1 71230. 8698. 509.2
 #2 59.77 741.8 70960. 8637. 511.2

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.48 | 187.3 | 1.984 | 8129. | 3.249 |
| Stddev | .49 | 17.2 | 1.021 | 3. | 1.449 |
| %RSD | .4936 | 9.190 | 51.50 | .0351 | 44.60 |

#1 99.83 175.2 1.261 8131. 2.224
 #2 99.13 199.5 2.706 8127. 4.274

Check ? None None None None None
 Value
 Range

Sample Name: 829238 Acquired: 5/20/2010 14:00:21 Type: Blank
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.740 | 3.312 | 966.3 | 9.383 | 210.2 |
| Stddev | .154 | 3.405 | .1 | .103 | 2.0 |
| %RSD | 5.603 | 102.8 | .0107 | 1.097 | .9500 |

#1 2.632 .9047 966.2 9.310 211.6
 #2 2.849 5.720 966.4 9.456 208.8

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 13.62 | -8.214 | 2.979 | 650.9 |
| Stddev | .19 | .150 | .461 | .2 |
| %RSD | 1.428 | 1.826 | 15.48 | .0240 |

#1 13.49 -8.320 2.853 650.8
 #2 13.76 -8.108 3.305 651.0

Check ? None None None None
 Value
 Range

Sample Name: 829238 Acquired: 5/20/2010 14:00:21 Type: Blank
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 398.53 | 3595.6 | 3781.9 | 4728.7 |
| Stddev | 4.10 | 12.4 | 11.1 | 43.8 |
| %RSD | 1.0290 | .34523 | .29459 | .92691 |

#1 395.63 3604.4 3774.1 4697.7
 #2 401.43 3586.8 3789.8 4759.6

Sample Name: CCV Acquired: 5/20/2010 14:04:14 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.86 | 30830. | 103.9 | 706.2 | 185.8 |
| Stddev | .50 | 98. | 2.7 | 1.9 | 6.2 |
| %RSD | .5150 | .3177 | 2.573 | .2733 | 3.310 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 97.21 | 30760. | 105.8 | 704.8 | 181.5 |
| #2 | 96.51 | 30900. | 102.0 | 707.6 | 190.2 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 102.6 | 30680. | 97.26 | 190.1 | 201.1 |
| Stddev | .1 | 112. | .30 | .4 | .0 |
| %RSD | .0541 | .3644 | .3079 | .1950 | .0134 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 102.6 | 30610. | 97.48 | 190.4 | 201.1 |
| #2 | 102.7 | 30760. | 97.05 | 189.8 | 201.0 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCV Acquired: 5/20/2010 14:04:14 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 187.5 | 31320. | 30530. | 30990. | 192.8 |
| Stddev | 1.5 | 141. | 52. | 234. | .6 |
| %RSD | .7775 | .4500 | .1717 | .7564 | .3109 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 188.6 | 31420. | 30570. | 30830. | 193.2 |
| #2 | 186.5 | 31220. | 30490. | 31160. | 192.3 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.2 | 30970. | 189.6 | 208.8 | 419.2 |
| Stddev | .6 | 132. | 2.1 | 2.7 | .3 |
| %RSD | .2890 | .4255 | 1.131 | 1.290 | .0775 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 195.8 | 30880. | 188.1 | 206.9 | 418.9 |
| #2 | 196.6 | 31070. | 191.2 | 210.7 | 419.4 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCV Acquired: 5/20/2010 14:04:14 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 295.1 | 95.12 | 1034. | 199.1 | 301.7 |
| Stddev | 2.6 | 3.13 | 2. | .3 | 1.0 |
| %RSD | .8870 | 3.286 | .2260 | .1447 | .3293 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 293.3 | 92.91 | 1036. | 198.9 | 301.0 |
| #2 | 297.0 | 97.33 | 1033. | 199.3 | 302.4 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 397.9 | 97.89 | 202.9 | 203.0 |
| Stddev | 1.7 | .23 | 1.7 | .4 |
| %RSD | .4342 | .2354 | .8435 | .2215 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 399.1 | 98.05 | 204.1 | 202.7 |
| #2 | 396.6 | 97.73 | 201.7 | 203.4 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCV Acquired: 5/20/2010 14:04:14 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 384.90 | 3536.9 | 3717.0 | 4623.8 |
| Stddev | .36 | 12.1 | 9.3 | 9.6 |
| %RSD | .09276 | .34255 | .24988 | .20823 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 384.65 | 3528.3 | 3710.4 | 4630.6 |
| #2 | 385.16 | 3545.5 | 3723.5 | 4616.9 |

Sample Name: CCB Acquired: 5/20/2010 14:08:02 Type: QC
Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.0563 | -7.966 | -3.692 | 1.878 | -3.519 |
| Stddev | .1292 | 41.93 | 2.474 | .870 | 2.704 |
| %RSD | 229.7 | 526.3 | 670.1 | 46.29 | 76.84 |
| #1 | -1.1476 | 21.68 | -2.119 | 2.493 | -5.430 |
| #2 | .0351 | -37.61 | 1.380 | 1.264 | -1.607 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2795 | 73.79 | -1.075 | .0579 | .2647 |
| Stddev | .0581 | 8.29 | .1461 | .1590 | .2761 |
| %RSD | 20.78 | 11.24 | 135.9 | 274.8 | 104.3 |
| #1 | .2384 | 67.93 | -.0042 | -.0546 | .0695 |
| #2 | .3206 | 79.66 | -.2108 | .1703 | .4599 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 5/20/2010 14:08:02 Type: QC
Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8523 | -12.50 | -53.95 | 22.51 | .0820 |
| Stddev | .4417 | 10.49 | 96.42 | 81.54 | .0938 |
| %RSD | 51.83 | 83.92 | 178.7 | 362.2 | 114.3 |
| #1 | -1.165 | -5.083 | 14.22 | 80.17 | .1483 |
| #2 | -.5399 | -19.92 | -122.1 | -35.14 | .0157 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0160 | -20.15 | .8223 | .9217 | .3104 |
| Stddev | .2954 | 27.09 | .7694 | .4165 | .4492 |
| %RSD | 185.1 | 134.4 | 93.57 | 45.19 | 144.7 |
| #1 | .1929 | -.9996 | .2783 | 1.216 | -.0072 |
| #2 | -.2249 | -.39.31 | 1.366 | .6271 | .6280 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 5/20/2010 14:08:02 Type: QC
Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.269 | -1.307 | 1.272 | .2302 | .0313 |
| Stddev | .321 | .977 | .969 | .5276 | .0039 |
| %RSD | 14.16 | 74.75 | 76.20 | 229.1 | 12.43 |
| #1 | 2.042 | -.6163 | 1.958 | .6033 | .0341 |
| #2 | 2.496 | -1.998 | .5868 | -.1428 | .0286 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.6470 | -1.572 | .5948 | -.4002 |
| Stddev | .1186 | 1.611 | .6345 | .0383 |
| %RSD | 18.33 | 102.5 | 106.7 | 9.575 |
| #1 | -.7309 | -2.712 | 1.044 | -.3731 |
| #2 | -.5631 | -.4331 | .1462 | -.4273 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Sample Name: CCB Acquired: 5/20/2010 14:08:02 Type: QC
Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 417.56 | 3590.1 | 3798.9 | 4628.2 |
| Stddev | .67 | 19.0 | .1 | 11.9 |
| %RSD | .16071 | .52820 | .00186 | .25782 |
| #1 | 418.03 | 3576.7 | 3798.8 | 4619.8 |
| #2 | 417.09 | 3603.5 | 3798.9 | 4636.7 |

#1 418.03 3576.7 3798.8 4619.8
#2 417.09 3603.5 3798.9 4636.7

Sample Name: 829239 Acquired: 5/20/2010 14:11:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5977 | 8.351 | -1.117 | 3.628 | -3.535 |
| Stddev | .2958 | 54.52 | .391 | .125 | 5.650 |
| %RSD | 49.49 | 652.9 | 35.03 | 3.440 | 159.8 |

| | | | | | |
|----|-------|--------|--------|-------|--------|
| #1 | .8068 | -30.20 | -1.393 | 3.717 | .4604 |
| #2 | .3885 | 46.90 | -.8402 | 3.540 | -7.530 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3785 | 63.07 | .1457 | .1645 | .3720 |
| Stddev | .5453 | 93.41 | .3416 | .3250 | .0050 |
| %RSD | 144.0 | 148.1 | 232.9 | 197.6 | 1.354 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | .7641 | 129.1 | .3882 | -.0653 | .3685 |
| #2 | -.0070 | -2.985 | -.0949 | .3943 | .3756 |

Check ? Value Range

Sample Name: 829239 Acquired: 5/20/2010 14:11:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.350 | -3.991 | -33.57 | -35.92 | .1132 |
| Stddev | .200 | 1.837 | 85.57 | 19.64 | .0475 |
| %RSD | 14.80 | 46.04 | 254.9 | 54.68 | 42.01 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -1.209 | -2.692 | 26.94 | -22.03 | .1468 |
| #2 | -1.492 | -5.290 | -94.08 | -49.81 | .0796 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1058 | -6.557 | 1.0000 | 5.098 | -.0941 |
| Stddev | .5085 | 35.10 | 1.090 | .207 | 1.500 |
| %RSD | 480.4 | 535.3 | 109.0 | 4.063 | 1594. |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | .4654 | 18.26 | .2293 | 4.951 | .9667 |
| #2 | -.2537 | -31.38 | 1.771 | 5.244 | -1.155 |

Check ? Value Range

Sample Name: 829239 Acquired: 5/20/2010 14:11:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.516 | 5.358 | 13.35 | 14.35 | .0795 |
| Stddev | .385 | 3.421 | .80 | .19 | .0381 |
| %RSD | 15.29 | 63.84 | 5.967 | 1.353 | 47.96 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.788 | 2.940 | 13.92 | 14.49 | .1065 |
| #2 | 2.244 | 7.777 | 12.79 | 14.22 | .0526 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1727 | -2.698 | .7560 | .0421 |
| Stddev | .5003 | .029 | .0874 | .0908 |
| %RSD | 289.7 | 1.064 | 11.57 | 215.5 |

| | | | | |
|----|--------|--------|-------|--------|
| #1 | .1811 | -2.678 | .8178 | -.0221 |
| #2 | -.5265 | -2.718 | .6941 | .1063 |

Check ? Value Range

Sample Name: 829239 Acquired: 5/20/2010 14:11:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 417.77 | 3620.1 | 3798.0 | 4658.5 |
| Stddev | .09 | 13.1 | 3.4 | 23.1 |
| %RSD | .02200 | .36076 | .08984 | .49635 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 417.83 | 3610.8 | 3795.6 | 4642.1 |
| #2 | 417.70 | 3629.3 | 3800.4 | 4674.8 |

Sample Name: CCV Acquired: 5/20/2010 14:15:52 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.60 | 30980. | 102.2 | 709.6 | 190.8 |
| Stddev | .01 | 79. | .0 | 1.7 | 8.0 |
| %RSD | .0128 | .2549 | .0409 | .2328 | 4.212 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 96.61 | 31030. | 102.2 | 710.7 | 185.1 |
| #2 | 96.59 | 30920. | 102.2 | 708.4 | 196.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 103.1 | 30710. | 97.70 | 190.4 | 201.4 |
| Stddev | .5 | 43. | .13 | .2 | .0 |
| %RSD | .4773 | .1396 | .1335 | .1104 | .0023 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 102.8 | 30680. | 97.80 | 190.6 | 201.4 |
| #2 | 103.5 | 30740. | 97.61 | 190.3 | 201.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 14:15:52 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 188.2 | 31390. | 30460. | 31140. | 193.2 |
| Stddev | 1.2 | 40. | 136. | 163. | .3 |
| %RSD | .6436 | .1267 | .4470 | .5235 | .1559 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 189.1 | 31360. | 30370. | 31260. | 193.4 |
| #2 | 187.4 | 31420. | 30560. | 31030. | 193.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.6 | 31030. | 190.1 | 207.5 | 419.1 |
| Stddev | .1 | 58. | .5 | .1 | 5.3 |
| %RSD | .0735 | .1874 | .2603 | .0696 | 1.271 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 196.7 | 31070. | 189.7 | 207.6 | 422.9 |
| #2 | 196.5 | 30990. | 190.4 | 207.4 | 415.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 14:15:52 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 292.5 | 95.31 | 1034. | 201.4 | 304.6 |
| Stddev | .0 | 2.44 | . | .3 | 3.0 |
| %RSD | .0098 | 2.560 | .0270 | .1690 | .9734 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 292.5 | 97.03 | 1033. | 201.6 | 306.7 |
| #2 | 292.5 | 93.58 | 1034. | 201.1 | 302.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 398.0 | 98.77 | 203.7 | 203.5 |
| Stddev | 1.7 | .00 | .6 | .1 |
| %RSD | .4192 | .0014 | .3154 | .0392 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 399.1 | 98.77 | 204.1 | 203.6 |
| #2 | 396.8 | 98.76 | 203.2 | 203.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 14:15:52 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 387.45 | 3561.3 | 3735.4 | 4617.2 |
| Stddev | 4.06 | 5.9 | 6.6 | 14.1 |
| %RSD | 1.0475 | .16628 | .17687 | .30488 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 384.58 | 3565.5 | 3730.7 | 4607.2 |
| #2 | 390.32 | 3557.1 | 3740.0 | 4627.1 |

Sample Name: CCB Acquired: 5/20/2010 14:19:42 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3510 | -17.82 | 4599 | 2.072 | -2.777 |
| Stddev | .8525 | 17.72 | 2.504 | .544 | 4.741 |
| %RSD | 242.8 | 99.45 | 544.5 | 26.25 | 170.8 |

| | | | | | |
|----|-------|--------|--------|-------|--------|
| #1 | -9539 | -5.289 | -1.311 | 2.456 | .5759 |
| #2 | .2518 | -30.36 | 2.231 | 1.687 | -6.129 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (108) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1669 | 100.9 | -.1523 | .0149 | -.0117 |
| Stddev | .2887 | 6.3 | .1165 | .7590 | .5442 |
| %RSD | 173.0 | 6.250 | 76.53 | 5105. | 4660. |

| | | | | | |
|----|--------|-------|--------|--------|--------|
| #1 | -.0372 | 105.4 | -.0699 | .5515 | -.3965 |
| #2 | .3711 | 96.46 | -.2346 | -.5218 | .3731 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/20/2010 14:19:42 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7352 | -7.725 | 38.82 | -15.48 | -.0291 |
| Stddev | 1.377 | 3.325 | 67.67 | 17.99 | .0469 |
| %RSD | 187.3 | 43.05 | 174.3 | 116.2 | 161.1 |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | -1.709 | -5.374 | -9.030 | -2.756 | -.0622 |
| #2 | .2387 | -10.08 | 86.67 | -28.20 | .0040 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4847 | -6.564 | -1.339 | -1.226 | -1.191 |
| Stddev | .1751 | 5.855 | .2976 | .978 | 4.099 |
| %RSD | 36.11 | 89.20 | 222.3 | 79.75 | 344.3 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | .6085 | -10.70 | -.3444 | -1.918 | 1.708 |
| #2 | .3609 | -2.424 | .0766 | -.5347 | -4.089 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/20/2010 14:19:42 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.355 | -1.414 | .2503 | -.0496 | .0191 |
| Stddev | 2.901 | 2.374 | 3.389 | 1.294 | .0217 |
| %RSD | 214.1 | 167.9 | 1354. | 2612. | 113.8 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -.6963 | .2647 | -2.146 | -.9648 | .0037 |
| #2 | 3.406 | -3.093 | 2.647 | .8657 | .0345 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0763 | -1.860 | -.4912 | -.2811 |
| Stddev | .5308 | .499 | .9868 | .0854 |
| %RSD | 696.0 | 26.84 | 200.9 | 30.37 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | .4516 | -2.213 | -1.189 | -.2207 |
| #2 | -.2991 | -1.507 | .2066 | -.3414 |

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/20/2010 14:19:42 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 417.26 | 3602.0 | 3784.6 | 4587.9 |
| Stddev | 1.10 | 20.7 | 9.4 | 3.3 |
| %RSD | .26319 | .57600 | .24727 | .07128 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 418.03 | 3587.3 | 3777.9 | 4590.3 |
| #2 | 416.48 | 3616.6 | 3791.2 | 4585.6 |



Sample Preparation – Metals

Date: 5/11/10

Date: 5/11/10

21/2/5

137205

METALS DIGESTION LOG

| Batch Information: | | | | Method Information: | | | | Reagent & Standard Traceability: | | | |
|--------------------|-----------|-------------------------------|--------------|-------------------------------|---------|---------|-----------|---|-------------------------|----------|--|
| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Color | Clarity | Texture | Artifacts | After Digestion Color | After Digestion Clarity | Comments | |
| Date: 5/18/10 | | | | ILM04.1 ILM05.4 | | | | HCl Tag ID: ME HCL ALD-00014 1.0 mL | | | |
| Start Time: 10.40 | | | | 3005AES 3005MS 3010AES 3010MS | | | | LCS Lot # ME5NKF#-00003, ME5NKF#-00003, ME5NKF#-00003 | | | |
| Stop Time: 14.10 | | | | 3050AES 3050MS 200.7 200.8 DW | | | | HNO ₃ Tag ID: ME HNO ₃ -00008 5 mL Spike Added 1.0 5.0 mL | | | |
| Analyst: ALB | | | | 3050AES 3050MS 200.7 200.8 DW | | | | 1:1 HCl Lot # N/A mL True Value See SOP | | | |
| Spike Analyst: ALB | | | | TMS CEC SAR | | | | 1:1 HNO ₃ Lot # ME HNO ₃ -00004 10 mL MS Lot # ME5NKF#-00003, ME5NKF#-00003 | | | |
| Spike Witness: ALB | | | | Matrix: Water Soil Air | | | | 30% H ₂ O ₂ Lot # ME H ₂ O ₂ -00003 3 mL Spike Added 1.0 1.0 mL | | | |
| | | | | Tissue | | | | 2% HNO ₃ Lot # N/A mL True Value See SOP | | | |
| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Color | Clarity | Texture | Artifacts | After Digestion Color | After Digestion Clarity | Comments | |
| PBS057810C | | 1.00 | 100 | | | | | | | | |
| LCSS051810C | | 1.00 | | LT Brown | | Coarse | roots | Pale Yellow | clear | | |
| 829219 | A1 | 1.15 | | | | | | | | | |
| 829220 | | 1.05 | | | | | | | | | |
| 829221 | | 1.28 | | Brown | | | Grass | | | | |
| 829221MS | | 1.04 | | | | | | | | | |
| 829221DP | | 1.11 | | | | | | | | | |
| 829222 | | 1.03 | | | | | roots | | | | |
| 829222MS | | 1.07 | | | | | | | | | |
| 829222DP | | 1.04 | | | | | | | | | |
| 829223 | | 1.04 | | Green | | | Grass | | | | |
| 829224 | | 1.29 | | LT Brown | | | roots | | | | |
| 829225 | | 1.08 | | Green | | | Grass | | | | |
| 829226 | | 1.14 | | LT Brown | | | roots | | | | |
| 829227 | | 1.04 | | Green | | | Grass | | | | |
| 829228 | | 1.19 | | LT Brown | | | roots | | | | |
| 829229 | | 1.09 | | Green | | | Grass | | | | |
| 829230 | | 1.11 | | LT Brown | | | roots | | | | |
| 829231 | | 1.10 | | Green | | | Grass | | | | |
| 829232 | | 1.02 | | LT Brown | | | roots | | | | |
| 829233 | | 1.09 | | Green | | | Grass | | | | |
| 829234 | | 1.19 | | LT Brown | | | roots | | | | |
| 829235 | | 1.30 | | Green | | | Grass | | | | |
| 829236 | | 1.29 | | LT Brown | | | roots | | | | |

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature: Block 1 92°C Block 2 94°C Block 3 92°C Block 4 94°C Block 5 92°C Block 6 94°C Block 7 92°C Block 8 94°C

BR-FME002:04.02.08:7

TestAmerica



METALS DIGESTION LOG

| Batch Information: | | | | Method Information: | | | | Reagent & Standard Traceability: | | | |
|--------------------|-------------|------------|----------|----------------------|---------|---------|----------------------------|---|----------------|---------------|------|
| Date: | Start Time: | Stop Time: | Analyst: | Digestion Method(s): | ILM04.1 | ILM05.4 | HCl Tag ID: | mL LCS Lot # | mL Spike Added | mL True Value | mL |
| 829237 | | | | 3005AES | 3005MS | 3010MS | HNO ₃ Tag ID | | | | mL |
| 829238 | | | | 3050AES | 3050MS | 200.7 | 1:1 HCl Lot # | | | | mg/L |
| 829239 | | | | TTMS | CEC | SAR | 1:1 HNO ₃ Lot # | | | | mL |
| | | | | Matrix: | Water | Soil | Air | 30% H ₂ O ₂ Lot # | | | mL |
| | | | | | Tissue | | 2% HNO ₃ Lot # | | | | mg/L |

| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Before Digestion | | | After Digestion | | | Comments |
|---|-----------|-------------------------------|--------------|------------------|---------|---------|-----------------|-------------|---------|----------|
| | | | | Color | Clarity | Texture | Artifacts | Color | Clarity | |
| 829237 | AI | 1.36 | 100 | 4-Brown | | Coarse | roots | Pale Yellow | clear | |
| 829238 | I | 1.27 | I | Green | | I | Starting solids | | | |
| 829239 | NA | 1.00 | I | Colorless | clear | | | | | |
| <div style="border: 1px solid black; padding: 5px; display: inline-block;"> DO 5/18/10 </div> | | | | | | | | | | |

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature:

| Block 1 | Block 2 | Block 3 | Block 4 | Block 5 | Block 6 | Block 7 | Block 8 |
|---------|---------|---------|---------|---------|---------|---------|---------|
| ✓ °C | ✓ °C | 92 °C | 94 °C | ✓ °C | ✓ °C | ✓ °C | ✓ °C |

BR-FME002:04.02.08:7

TestAmerica

Page 6 of 100


| STANDARD TRACEABILITY RECORDS | | |
|-------------------------------------|--------------------|--|
| ICP-OES Instrument | | |
| Date: 5/20/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 052010-01 | TFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052010-02 | TFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | Lot Number | |
| Used for all methods | | |
| STD 7: | MESTD7w 00012 | |
| STD 8: | MESTD8w 00008 | |
| STD 4: | MESTD4w 00012 | |
| ICV: | MEICVw 00005 | |
| CCV: | MECCVw 00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME5%2%ATNSEw 00015 | |
| Internal Standard Solution: | MEICP7ISw 00007 | |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | ME6010ICSAw 00008 | |
| ICSAB 6010: | ME6010ABw 00001 | |
| CRI 6010: | ME6010CAIw 00006 | |
| DOD LRV Solution: | | |
| 6010 Post Spiking Solution: | ME SPINE #1w 00008 | |
| 5 PPM AG: | | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | | |
| ICSA ILM05.4: | | |
| ICSAB ILM05.4: | | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |



Sample Handling

FedEx

DO NOT LIFT USING THIS TAG

| | | | |
|--|--|---------------------------------|--|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number () | |
| Company | | Dent / Floor / Suite / Room | |
| Street Address () | | City | |
| FedEx 0006 OF 0006 MPS# 0260 8716 0065 9992 Mstr# 8675 7103 9650 0215 XH BTVA | | | |
|  | | | |
| Emp# 580578 03MAY10 APAA | | | |
| © 2004 FedEx 149849 RE | | | |

**TUE - 04 MAY AA
PRIORITY OVERNIGHT**

05403
VT-US
BTVA

DO NOT LIFT USING THIS TAG

| | | | |
|--|--|---------------------------------|--|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number () | |
| Company | | Dent / Floor / Suite / Room | |
| Street Address () | | City | |
| FedEx 0005 OF 0006 MPS# 0260 8716 0066 0003 Mstr# 8675 7103 9650 0215 XH BTVA | | | |
|  | | | |
| Emp# 580578 03MAY10 APAA | | | |
| © 2004 Fed | | | |

**TUE - 04 MAY AA
PRIORITY OVERNIGHT**

05403
VT-US
BTVA

TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

| | | |
|--|--------------------------------|----------------------------------|
| Client: <u>CRSCOD</u> | Date Received: <u>05/04/10</u> | Log In Date: <u>05/06/10</u> |
| ETR: <u>137205</u> | Time Received: <u>1015</u> | By: <u>unf</u> |
| SDG: <u>137205</u> | Received By: <u>VP</u> | Signature: <u>[Signature]</u> |
| Project: <u>29660</u> | # Coolers Received: <u>6</u> | PM Signature: <u>[Signature]</u> |
| Samples Delivered By: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify) | | Date: <u>05/10/10</u> |
| List Air bill Number(s) or Attach a photocopy of the Air Bill: | | |

| COOLER SCREEN | YES | NO | NA | COMMENTS |
|---|-------------------------------------|-------------------------------------|----|----------|
| There is <u>no</u> evidence to indicate tampering | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seals are present and intact | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seal numbers are present | | <input checked="" type="checkbox"/> | | |
| If yes, list custody seal numbers: | | | | |

| | | | | |
|---|---------------------------------------|---------------|---------------|--|
| Thermal Preservation Type: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other (specify) | | | | |
| IR Gun ID: <u>96</u> | Correction Factor (CF) = <u>-2</u> °C | | | |
| Cooler 1: <u>2.0</u> °C | Cooler 6: <u>4.3</u> °C | Cooler 11: °C | Cooler 16: °C | |
| Cooler 2: <u>2.2</u> °C | Cooler 7: °C | Cooler 12: °C | Cooler 17: °C | |
| Cooler 3: <u>4.2</u> °C | Cooler 8: °C | Cooler 13: °C | Cooler 18: °C | |
| Cooler 4: <u>0.6</u> °C | Cooler 9: °C | Cooler 14: °C | Cooler 19: °C | |
| Cooler 5: <u>2.8</u> °C | Cooler 10: °C | Cooler 15: °C | Cooler 20: °C | |

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun
 EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.
 Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

| SAMPLE CONDITION | YES | NO | NA | COMMENTS |
|---|-------------------------------------|----|----|----------|
| Sample containers were received intact | <input checked="" type="checkbox"/> | | | |
| Legible sample labels are affixed to each container | <input checked="" type="checkbox"/> | | | |

| CHAIN OF CUSTODY (COC) | YES | NO | NA | COMMENTS |
|---|-------------------------------------|----|-------------------------------------|----------|
| COC is present and includes the following information for each container: | | | | |
| • Sample ID / Sample Description | <input checked="" type="checkbox"/> | | | |
| • Date of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Time of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Identification of the Sampler | <input checked="" type="checkbox"/> | | | |
| • Preservation Type | | | <input checked="" type="checkbox"/> | |
| • Requested Tests Method(s) | <input checked="" type="checkbox"/> | | | |
| • Necessary Signatures | <input checked="" type="checkbox"/> | | | |

Internal Chain of Custody (ICOC) Required ☒
 If yes to above, ICOC Record initiated for every Worksheet ☒

| SAMPLE INTEGRITY / USABILITY | YES | NO | NA | COMMENTS |
|---|-------------------------------------|-------------------------------------|-------------------------------------|------------------|
| The sample container matches the COC | | <input checked="" type="checkbox"/> | | <u>See below</u> |
| Appropriate sample containers were received for the tests requested | <input checked="" type="checkbox"/> | | | |
| Samples were received within holding time | <input checked="" type="checkbox"/> | | | |
| Sufficient amount of sample is provided for requested analyses | <input checked="" type="checkbox"/> | | | |
| VOA vials do not have headspace or a bubble >6mm (1/4" diameter) | | | <input checked="" type="checkbox"/> | |
| Appropriate preservatives were used for the tests requested | | | <input checked="" type="checkbox"/> | |
| pH of inorganic samples checked and is within method specification | | | <input checked="" type="checkbox"/> | |
| If no, attach Inorganic Sample pH Adjustment Form | | | <input checked="" type="checkbox"/> | |

ANOMALY / NCR SUMMARY:
All values for this log in received in 2 of 6 cooler at 2.2°C and 4.3°C, copies of airbills attached.
Sample 1, 1, 1 R - CRITR3-3-TR2N-PLTGBW 1.175 to 1.530, 1.540 to 1.550 R - COC

TestAmerica
South Burlington, VT
Extended Data Package

137208

TestAmerica Laboratories, Inc.

May 25, 2010

Ms. Sheri O'Conner
URS Operating Services, Inc.
1099 18th Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: CMI; SDG: 137208

Dear Ms. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137208 | | | |
| 829265 | CVR3TR11T04NPLTSAW | 05/02/10 | TISSUE |
| 829265DP | CVR3TR11T04NPLTSAWREP | 05/02/10 | TISSUE |
| 829265MD | CVR3TR11T04NPLTSAWMSD | 05/02/10 | TISSUE |
| 829266 | CVR3TR2-1-T03N-PLTFAW | 04/29/10 | TISSUE |
| 829267 | CVR3TR2-1-T03N-PLTFBW | 04/29/10 | TISSUE |
| 829268 | CVR3TR2-1-T04N-PLTSAW | 04/29/10 | TISSUE |
| 829269 | CVR3TR2-1-T04N-PLTSBW | 04/29/10 | TISSUE |
| 829270 | CVR3TR2-2-T02N-PLTGAW | 04/29/10 | TISSUE |
| 829271 | CVR3TR2-2-T02N-PLTGBW | 04/29/10 | TISSUE |
| 829272 | CVR3TR2-2-T03N-PLTFAW | 04/29/10 | TISSUE |
| 829273 | CVR3TR2-2-T03N-PLTFBW | 04/29/10 | TISSUE |
| 829274 | CVR3TR2-3-T02N-PLTGAW | 04/29/10 | TISSUE |
| 829275 | CVR3TR2-3-T02N-PLTGBW | 04/29/10 | TISSUE |
| 829276 | CVR3TR2-3-T03N-PLTFAW | 04/29/10 | TISSUE |
| 829277 | CVR3TR2-3-T03N-PLTFBW | 04/29/10 | TISSUE |
| 829278 | CVR3TR2-3-T04N-PLTSAW | 04/29/10 | TISSUE |
| 829279 | CVR3TR2-3-T04N-PLTSBW | 04/29/10 | TISSUE |
| 829280 | CVR3TR3-1-T02N-PLTGAW | 04/29/10 | TISSUE |
| 829281 | CVR3TR3-1-T02N-PLTGBW | 04/29/10 | TISSUE |
| 829282 | CVR3TR3-1-T04N-PLTSAW | 04/29/10 | TISSUE |
| 829283 | CVR3TR3-1-T04N-PLTSBW | 04/29/10 | TISSUE |
| 829284 | CVR3TR3-2-T02N-PLTGAW | 04/29/10 | TISSUE |
| 829285 | EQBLK01 | | TISSUE |



Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B: Plant Tissue

These sample volumes were homogenized prior to analysis via 6010B. There were no QC related anomalies encountered during the analysis of these samples.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joseph Carabillo', is written over a light blue horizontal line.

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|---|------------|
| Chain of Custody | 2 |
| Sample Report Summary Wet Chemistry | 7 |
| Supportive Documentation Wet Chemistry | 29 |
| Sample Report Summary Metals | 32 |
| QC Summary Metals | 55 |
| Supportive Documentation Metals | 79 |
| Sample Preparation Metals | 127 |
| Sample Handling | 132 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|--------------|--|
| Project Name CMI Soil + vegetation | | Project Number 22241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager Marc Soellner | | Report CC sheri-oconnor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5297 | | FAX # (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature Liz Best | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING DATE | | TIME | | MATRIX | | Total Number of Containers | | Total Metals Only | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| CVR1 TR3-3-T02N-PLTGAU | | | | 04/28/10 | | 1440 | | O | | 1 | | X | | | | | | | | | | | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | | REMARKS | |
| CVR1 TR3-3-T02N-PLTGBU | | | | 04/28/10 | | 1530 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TR3-3-T03N-PLTFAU | | | | 04/28/10 | | 1500 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TR3-3-T03N-PLTFBU | | | | 04/28/10 | | 1503 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TRI-1-T02N-PLTGAU | | | | 05/02/10 | | 0900 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TRI-1-T02N-PLTGBU | | | | 05/02/10 | | 0910 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TRI-1-T04N-PLTSAU | | | | 05/02/10 | | 0930 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TRI-1-T04N-PLTSBU | | | | 05/02/10 | | 0930 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | vegetation | | TURNAROUND REQUIREMENTS RUSH (surcharges apply) 24 hr 48 hr 5 day | | X STANDARD per work order | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No Specialized Forms/Custom Report per work order | | INVOICE INFORMATION PO# BILL TO: Sheri O'Connor SUBMISSION #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inorganic suite includes: | | URS Contact: sheri-oconnor@urscorp.com | | See SOW <input checked="" type="checkbox"/> | | See QAPP <input type="checkbox"/> | | CUSTODY SEALS Y N | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.2 | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | | |

White and Yellow to lab

Pink - sample management

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SDG # 137205 of 13205

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

WORK ORDER #

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PAGE 6 OF 13

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|---|--|---|--|---|--|----------------------------|--|-------------------|--|------------------|--|-----------------------------|--|------|--|------|--|-------|--|-------|--|-------|--|------------|--|------|--|------------|--|------------|--|--|--|--------------|--|
| Project Name C/HI Soil + Vegetation | | Project Number 32241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager Marc Soellner | | Report CC sheri-o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | FAX # (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5297 | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING DATE | | TIME | | MATRIX | | Total Number of Containers | | Total Metals moly | | Dissolved Metals | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| CVR3TR1-3-T03N-PLTFAW | | | | 05/02/10 | | 1220 | | 0 | | 1 | | X | | | | | | | | | | | | | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | | | |
| CVR3TR1-3-T03N-PLTFSW | | | | 05/02/10 | | 1225 | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR1-3-T04N-PLTFSW | | | | 05/02/10 | | 1210 | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR1-3-T04N-PLTSAW | | | | 05/02/10 | | 1200 | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-1-T03N-PLTFAW | | | | 04/29/10 | | 1555 | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-1-T03N-PLTFSW | | | | 04/29/10 | | 1605 | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-1-T04N-PLTSAW | | | | 04/29/10 | | 1625 | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-1-T04N-PLTFSW | | | | 04/29/10 | | 1630 | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other veg. | | TURNAROUND REQUIREMENTS RUSH (aurcharges apply) 24 hr 48 hr 5 day | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No per work order | | INVOICE INFORMATION PO# BILL TO: Sheri O'Connor SUBMISSION #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| URS Contact: sheri-o'connor@urscorp.com | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | CUSTODY SEALS: Y N | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.2 | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RECEIVED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signature Liz Best | | Signature VJ Pham | | Signature TA Lab | | Signature URS | | Signature URS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printed Name Liz Best | | Printed Name VJ Pham | | Printed Name TA Lab | | Printed Name URS | | Printed Name URS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date/Time 05/03/10 1500 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | Date/Time 05/04/10 1015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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White and Yellow to lab

Pink - sample management

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SDG # 137205 of 137205

| | | | | | | | | | | | | | | | | | | | |
|---|--------------------------------------|---|-----------------|--|----------------------------|----------------------|------------------|--|-----------------|----------------------|-----------------|--|-----------------|----------------------|-----------------|---|-----------------|----------------------|--------------------------------|
| Project Name CM II Soil + Vegetation | | Project Number 32241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | |
| Project Manager Mara Scellner | | Report CC Sheri O'Connor | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5297 | FAX # (303) 694-3946 (URS) | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | |
| Sampler's Signature <i>Liz Best</i> | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | FOR LAB USE ONLY | SAMPLING DATE | TIME | MATRIX | Total Number of Containers | Total Metals | Dissolved Metals | Inorganic Suite (see notes) | VOCs | BTEX | TPH-G | TPH-D | SVOCs | Pesticides | PCBs | Explosives | PCDD/PCDFs | Herbicide | PRESERVATIVE |
| CVR3TR2-2-T02N-PLTGAU | | 04/29/10 | 1430 | O | 1 | X | | | | | | | | | | | | | NONE |
| CVR3TR2-2-T02N-PLTGBW | | 04/29/10 | 1450 | I | | | | | | | | | | | | | | | HCl |
| CVR3TR2-2-T03N-PLTFAU | | 04/29/10 | 1510 | I | | | | | | | | | | | | | | | HNO ₃ |
| CVR3TR2-2-T03N-PLTFBW | | 04/29/10 | 1530 | I | | | | | | | | | | | | | | | H ₂ SO ₄ |
| CVR3TR2-3-T02N-PLTGAU | | 04/29/10 | 1320 | I | | | | | | | | | | | | | | | NaOH |
| CVR3TR2-3-T02N-PLTGBW | | 04/29/10 | 1355 | I | | | | | | | | | | | | | | | Zn Acetate |
| CVR3TR2-3-T03N-PLTFAU | | 04/29/10 | 1320 | I | | | | | | | | | | | | | | | MeOH |
| CVR3TR2-3-T03N-PLTFBW | | 04/29/10 | 1330 | I | | | | | | | | | | | | | | | NaHSO ₄ |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | | | TURNAROUND REQUIREMENTS RUSH (surcharges apply) 24 hr 48 hr 5 day | | | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MSD/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No | | | | INVOICE INFORMATION PO# BILL TO: Sheri O'Connor SUBMISSION #: | | | |
| URS Contact: sheri-oconnor@urscorp.com | | | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | | | X STANDARD per work order REQUESTED FAX DATE REQUESTED REPORT DATE | | | | per work order | | | | | | | |
| See SOW <input checked="" type="checkbox"/> | | | | | | | | CUSTODY SEALS: Y N | | | | | | | | | | | |
| See QAPP <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.2 | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY | SIGNATURE | RECEIVED BY | SIGNATURE | RELINQUISHED BY | SIGNATURE | RECEIVED BY | SIGNATURE | RELINQUISHED BY | SIGNATURE | RECEIVED BY | SIGNATURE | RELINQUISHED BY | SIGNATURE | RECEIVED BY | SIGNATURE | RELINQUISHED BY | SIGNATURE | RECEIVED BY | SIGNATURE |
| Liz Best | <i>Liz Best</i> | Liz Best | <i>Liz Best</i> | Liz Best | <i>Liz Best</i> | Liz Best | <i>Liz Best</i> | Liz Best | <i>Liz Best</i> | Liz Best | <i>Liz Best</i> | Liz Best | <i>Liz Best</i> | Liz Best | <i>Liz Best</i> | Liz Best | <i>Liz Best</i> | Liz Best | <i>Liz Best</i> |
| Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | |
| Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | |
| Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | |
| 05/03/10 1500 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | |



Work Order #

PAGE 8 OF 13

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| | | | | | |
|--|--|---|--|---|--|
| Project Name CMI Soil + Vegetation | | Project Number 2241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | |
| Project Manager Marc Soellner | | Report CC Sheri-O'Connor@urscorp.com | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | | | | |
| Phone # (303) 332-5297 | | FAX # (303) 694-3946 (URS) | | | |
| Sampler's Signature Liz Best | | Sampler's Printed Name Liz Best | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING | |
| | | | | DATE | |
| CVR3TR2-3-T04N-PLTSAW | | | | TIME | |
| | | | | MATRIX | |
| CVR3TR2-3-T04N-PLTSBW | | | | 0 | |
| CVR3TR3-1-T02N-PLTGAW | | | | 1 | |
| CVR3TR3-1-T02N-PLTGBW | | | | 1 | |
| CVR3TR3-1-T02N-PLTSAW | | | | 1 | |
| CVR3TR3-1-T04N-PLTSBW | | | | 1 | |
| CVR3TR3-2-T02N-PLTGAW | | | | 1 | |
| CVR3TR3-2-T02N-PLTGBW | | | | 1 | |
| SPECIAL INSTRUCTIONS/COMMENTS | | | | | |
| Inorganic suite includes: | | | | | |
| Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | | | | |
| Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | | | | |
| URS Contact: Sheri-O'Connor@urscorp.com | | | | | |
| See SOW <input checked="" type="checkbox"/> | | | | | |
| See QAPP <input type="checkbox"/> | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2-2 | | CUSTODY SEALS: Y N | | | |
| RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | |
| Signature Liz Best | | Signature Liz Best | | Signature | |
| Printed Name Liz Best | | Printed Name Liz Best | | Printed Name | |
| Firm URS | | Firm URS | | Firm | |
| Date/Time 05/03/10 1500 | | Date/Time 05/04/10 - 1015 | | Date/Time | |

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White and Yellow to lab

Pink – sample management

Cooler of



Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR11T04NPLTSAW

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829265

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 37.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 37.2 | |

Client Sample No.
CVR3TR11T04NPLTSAW

% Solids: 33.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | Sample Result Conc. | Sample Result Qual. | Duplicate Sample Result Conc. | Duplicate Sample Result Qual. | RPD |
|--------|-----------------|---------------------|------------------|-------|---------------------|---------------------|-------------------------------|-------------------------------|-----|
| IN623 | Solids, Percent | 05/18/10 | | % | 37.2 | | 33.3 | | 11 |

1 - Control Limit for RPD is +/- 20%, unless otherwise specified.

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-1-T03N-PLTFA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829266

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 17.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 17.9 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-1-T03N-PLTFB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829267

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 14.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 14.7 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-1-T04N-PLTSA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829268

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 42.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 42.2 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-1-T04N-PLTSB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829269

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 27.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 27.8 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-2-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829270

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 27.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 27.9 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-2-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829271

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 26.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 26.8 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-2-T03N-PLTFA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829272

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 19.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 19.1 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-2-T03N-PLTFB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829273

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 13.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 13.9 | |

Sample Report Summary

CVR3TR2-3-T02N-PLTGA

% Solids: 31.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 31.6 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-3-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829275

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 33.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 33.8 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-3-T03N-PLTFA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829276

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 17.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 17.1 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-3-T03N-PLTFB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829277

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 14.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 14.6 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-3-T04N-PLTSA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829278

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 36.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 36.4 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR2-3-T04N-PLTSB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829279

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 33.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 33.3 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-1-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829280

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 24.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 24.7 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-1-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829281

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 30.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 30.1 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-1-T04N-PLTSA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829282

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 37.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 37.1 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-1-T04N-PLTSB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137208

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829283

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 38.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 38.0 | |

Sample Report Summary

CVR3TR3-2-T02N-PLTGA

% Solids: 22.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 22.3 | |



Supportive Documentation – Wet Chemistry



Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

| | | | | | |
|--------------------------|-------------------|-----------|-------|------------------------|-----------|
| Analysis Start Date: | 5/18/2010 | Oven ID: | 2 | Analysis End Date: | 5/19/2010 |
| Analysis Start Time: | 19:30 | Time In: | 20:30 | Analysis End Time: | 8:51 |
| Start Analyst: | MNT | Time Out: | 8:44 | End Analyst: | AN |
| Start Analyst Signature: | <i>AN for MNT</i> | | | End Analyst Signature: | <i>AN</i> |

| LAB ID | Dish ID | Dish Weight (g) | Weight of Dish + Wet Sample (g) | Weight of Dish + Dry Sample (g) | Percent Solids (%) | Percent Moisture (%) |
|----------|---------|--------------------|---------------------------------------|---------------------------------------|-----------------------|-------------------------|
| 829265 | 1 | 0.98 | 3.56 | 1.94 | 37.2 | 63 |
| 829265DP | 2 | 0.98 | 4.19 | 2.05 | 33.3 | 67 |
| 829266 | 3 | 1.02 | 4.09 | 1.57 | 17.9 | 82 |
| 829267 | 4 | 0.99 | 3.92 | 1.42 | 14.7 | 85 |
| 829268 | 5 | 0.98 | 3.87 | 2.20 | 42.2 | 58 |
| 829269 | 6 | 1.00 | 5.61 | 2.28 | 27.8 | 72 |
| 829270 | 7 | 0.99 | 3.21 | 1.61 | 27.9 | 72 |
| 829271 | 8 | 1.01 | 5.12 | 2.11 | 26.8 | 73 |
| 829272 | 9 | 0.97 | 4.16 | 1.58 | 19.1 | 81 |
| 829273 | 10 | 1.00 | 3.81 | 1.39 | 13.9 | 86 |
| 829274 | 11 | 1.02 | 3.14 | 1.69 | 31.6 | 68 |
| 829275 | 12 | 1.00 | 4.43 | 2.16 | 33.8 | 66 |
| 829276 | 13 | 0.97 | 5.23 | 1.70 | 17.1 | 83 |
| 829277 | 14 | 0.99 | 3.45 | 1.35 | 14.6 | 85 |
| 829278 | 15 | 0.97 | 4.40 | 2.22 | 36.4 | 64 |
| 829279 | 16 | 1.03 | 4.03 | 2.03 | 33.3 | 67 |
| 829280 | 17 | 1.01 | 3.88 | 1.72 | 24.7 | 75 |
| 829281 | 18 | 0.97 | 5.59 | 2.36 | 30.1 | 70 |
| 829282 | 19 | 0.99 | 4.33 | 2.23 | 37.1 | 63 |
| 829283 | 20 | 1.02 | 3.65 | 2.02 | 38.0 | 62 |
| 829284 | 21 | 0.97 | 4.29 | 1.71 | 22.3 | 78 |
| 829309 | 22 | 0.99 | 2.70 | 1.50 | 29.8 | 70 |
| 829309DP | 23 | 0.98 | 2.70 | 1.48 | 29.1 | 71 |
| 829310 | 24 | 0.99 | 3.04 | 1.46 | 22.9 | 77 |
| 829311 | 25 | 1.00 | 5.01 | 2.38 | 34.4 | 66 |
| 829312 | 26 | 0.99 | 3.25 | 1.68 | 30.5 | 70 |
| 829313 | 27 | 0.99 | 4.15 | 2.00 | 32.0 | 68 |
| 829314 | 28 | 1.01 | 4.97 | 2.01 | 25.3 | 75 |
| 829315 | 29 | 1.00 | 4.30 | 1.86 | 26.1 | 74 |
| 829316 | 30 | 1.00 | 4.35 | 1.72 | 21.5 | 79 |

Calculation: Percent Wet Weight = $\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208

SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|-----------------------|----------------|
| CVR3TR11T04NPLTSAW | 829265 |
| CVR3TR11T04NPLTSAWD | 829265DP |
| CVR3TR11T04NPLTSAWS | 829265MS |
| CVR3TR2-1-T03N-PLTFW | 829266 |
| CVR3TR2-1-T03N-PLTFBW | 829267 |
| CVR3TR2-1-T04N-PLTSAW | 829268 |
| CVR3TR2-1-T04N-PLTSBW | 829269 |
| CVR3TR2-2-T02N-PLTGAW | 829270 |
| CVR3TR2-2-T02N-PLTGBW | 829271 |
| CVR3TR2-2-T03N-PLTFW | 829272 |
| CVR3TR2-2-T03N-PLTFBW | 829273 |
| CVR3TR2-3-T02N-PLTGAW | 829274 |
| CVR3TR2-3-T02N-PLTGBW | 829275 |
| CVR3TR2-3-T03N-PLTFW | 829276 |
| CVR3TR2-3-T03N-PLTFBW | 829277 |
| CVR3TR2-3-T04N-PLTSAW | 829278 |
| CVR3TR2-3-T04N-PLTSBW | 829279 |
| CVR3TR3-1-T02N-PLTGAW | 829280 |
| CVR3TR3-1-T02N-PLTGBW | 829281 |
| CVR3TR3-1-T04N-PLTSAW | 829282 |
| CVR3TR3-1-T04N-PLTSBW | 829283 |
| CVR3TR3-2-T02N-PLTGAW | 829284 |
| EQBLK01 | 829285 |

Were ICP interelement corrections applied? Yes/No YESWere ICP background corrections applied? Yes/No YESIf yes-were raw data generated before application of background corrections? Yes/No NOComments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

COVER PAGE - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR11T04NPLTSAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829265
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 37.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 14.0 | | | P |

Color Before: brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: twigs

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-1-T03N-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829266
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 17.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 130 | | | P |

Color Before: green Clarity Before: Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments:

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-1-T03N-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829267
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 14.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 191 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-1-T04N-PLTSAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829268
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 42.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 27.1 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: twigs
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-1-T04N-PLTSBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829269
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 27.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 72.5 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-2-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829270
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 27.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 65.0 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

_____Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-2-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829271
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 26.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 37.9 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-2-T03N-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829272
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 19.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 64.2 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-2-T03N-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829273
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 13.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 181 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-3-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829274
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 31.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 60.7 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-3-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829275
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 33.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 68.7 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-3-T03N-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829276
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 17.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 92.3 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments:

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-3-T03N-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829277
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 14.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 276 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse

Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-3-T04N-PLTSAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829278
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 36.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 36.4 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: twigs

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR2-3-T04N-PLTSBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829279
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 33.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 49.7 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse

Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-1-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829280
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 24.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 110 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse

Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

-1-

EPA SAMPLE NO.

CVR3TR3-1-T02N-PLTGBW

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 57.7 | | | P |

Comments: _____

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-1-T04N-PLTSAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829282
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 37.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 24.6 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: twigs

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-1-T04N-PLTSBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829283
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 38.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 30.4 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-2-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829284
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 22.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 193 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments:

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

EQBLK01

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Matrix (soil/water): TISSUE Lab Sample ID: 829285
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.053 | B | | P |

Color Before: colorless Clarity Before: clear Texture: _____

Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN



QC Summary – Metals

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 516.60 | 103.3 | 200.0 | 201.40 | 100.7 | 201.10 | 100.6 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137208
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 202.00 | 101.0 | 203.10 | 101.6 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | | |
|------------|------|-------|----|-----------------------|-------|-------|-------|----|--|
| | True | Found | %R | Initial | | | Final | | |
| | | | | True | Found | %R | Found | %R | |
| Molybdenum | | | | 10.0 | 13.16 | 131.6 | | | |

Control Limits: no limits have been established by EPA at this time

Form IIB-IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208Preparation Blank Matrix (soil/water): SOLIDPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | C | M |
|------------|--------------------------------------|--|---|-------|---|-------|---|----------------------|---|---|
| | | 1 | C | 2 | C | 3 | C | | | |
| Molybdenum | 2.0 B | 1.0 B | | 0.7 B | | 0.6 B | | 0.047 U | | P |

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | M |
|------------|--------------------------------------|--|---|---|--|--|--|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| Molybdenum | | 0.6 | | | | | | | |

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208ICP ID Number: TJA ICAP 7 ICS Source: Inorganic VenturesConcentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|-------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | 0 | 995.5 | 101.0 | | | |

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR3TR11T04NPLTSAWS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 37.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|---------------------|------|---|---|
| Molybdenum | 80 - 120 | 122.2435 | 14.0299 | 113.91 | 95.0 | | P |

Comments:

Form V (PART 1) - IN

USEPA-CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR3TR11T04NPLTSAWA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208Matrix (soil/water): TISSUE Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|---------------------|------|---|---|
| Molybdenum | | 547.50 | 60.02 | 500.0 | 97.5 | | P |

Comments: _____

Form V (PART 2) - IN

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR3TR11T04NPLTSAWD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 37.2 % Solids for Duplicate: 33.3Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|------------|------------------|------------|---|---------------|---|-----|---|---|
| Molybdenum | | 14.0299 | | 13.7388 | | 2.1 | | P |

Form VI - IN

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
Solid LCS Source: Inorganic Ventures
Aqueous LCS Source: _____

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | |
|------------|----------------|-------|----|---------------|-------|---|-------------|-------|
| | True | Found | %R | True | Found | C | Limits | %R |
| Molybdenum | | | | 50.0 | 51.1 | | 40.0 60.0 | 102.2 |

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

CVR3TR11T04NPLTSAWL

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: CMIS&V

SAS No.: _____

SDG No.: 137208Matrix (soil/water): TISSUE

Level (low/med): _____

LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) C | Serial Dilution Result (S) C | % Differ- ence | Q | M |
|------------|-----------------------------------|------------------------------------|-------------------|---|---|
| Molybdenum | 60.02 | 60.07 | 0.1 | | P |

USEPA-CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|-----------|---------------------|-------------|----------------|---------------|---|
| Molybdenu | 202.030 | | 10 | 0.47 | P |

Comments: _____

_____Form X - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137208ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 1) - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments: _____

Form XII - IN

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208Method: P

| EPA Sample No. | Preparation Date | Initial Volume mL | Volume (mL) |
|----------------------|---------------------|----------------------|----------------|
| CVR3TR11T04NPLTSAW | 5/19/2010 | 1.15 | 100.0 |
| CVR3TR11T04NPLTSAWD | 5/19/2010 | 1.20 | 100.0 |
| CVR3TR11T04NPLTSAWS | 5/19/2010 | 1.18 | 100.0 |
| CVR3TR2-1-T03N-PLTFA | 5/19/2010 | 1.28 | 100.0 |
| CVR3TR2-1-T03N-PLTFB | 5/19/2010 | 1.36 | 100.0 |
| CVR3TR2-1-T04N-PLTSA | 5/19/2010 | 1.07 | 100.0 |
| CVR3TR2-1-T04N-PLTSB | 5/19/2010 | 1.10 | 100.0 |
| CVR3TR2-2-T02N-PLTGA | 5/19/2010 | 1.14 | 100.0 |
| CVR3TR2-2-T02N-PLTGB | 5/19/2010 | 1.12 | 100.0 |
| CVR3TR2-2-T03N-PLTFA | 5/19/2010 | 1.34 | 100.0 |
| CVR3TR2-2-T03N-PLTFB | 5/19/2010 | 1.23 | 100.0 |
| CVR3TR2-3-T02N-PLTGA | 5/19/2010 | 1.08 | 100.0 |
| CVR3TR2-3-T02N-PLTGB | 5/19/2010 | 1.12 | 100.0 |
| CVR3TR2-3-T03N-PLTFA | 5/19/2010 | 1.10 | 100.0 |
| CVR3TR2-3-T03N-PLTFB | 5/19/2010 | 1.39 | 100.0 |
| CVR3TR2-3-T04N-PLTSA | 5/19/2010 | 1.08 | 100.0 |
| CVR3TR2-3-T04N-PLTSB | 5/19/2010 | 1.14 | 100.0 |
| CVR3TR3-1-T02N-PLTGA | 5/19/2010 | 1.07 | 100.0 |
| CVR3TR3-1-T02N-PLTGB | 5/19/2010 | 1.20 | 100.0 |
| CVR3TR3-1-T04N-PLTSA | 5/19/2010 | 1.15 | 100.0 |
| CVR3TR3-1-T04N-PLTSB | 5/19/2010 | 1.10 | 100.0 |
| CVR3TR3-2-T02N-PLTGA | 5/19/2010 | 1.14 | 100.0 |
| EQBLK01 | 5/19/2010 | 1.00 | 100.0 |
| LCSS051910A | 5/19/2010 | 1.00 | 100.0 |
| PBS051910A | 5/19/2010 | 1.00 | 100.0 |

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/20/2010 End Date: 5/20/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K I | S E | A G | N A | T L | V L | Z N | C N | | |
| S0 | 1.00 | 1458 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD7 | 1.00 | 1502 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 1506 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 1510 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1514 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICB | 1.00 | 1517 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSA | 1.00 | 1521 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSAB | 1.00 | 1525 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CRI | 1.00 | 1529 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1533 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1537 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PBS051910A | 1.00 | 1541 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LCSS051910A | 1.00 | 1545 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR11T04NPLTSAW | 1.00 | 1549 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR11T04NPLTSAWL | 5.00 | 1552 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR11T04NPLTSAWA | 1.00 | 1556 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR11T04NPLTSAWS | 1.00 | 1600 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR11T04NPLTSAWD | 1.00 | 1604 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-1-T03N-PLTF | 1.00 | 1608 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-1-T03N-PLTF | 1.00 | 1612 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-1-T04N-PLTS | 1.00 | 1616 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1620 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1624 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-1-T04N-PLTS | 1.00 | 1628 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-2-T02N-PLTG | 1.00 | 1632 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-2-T02N-PLTG | 1.00 | 1636 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-2-T03N-PLTF | 1.00 | 1639 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-2-T03N-PLTF | 1.00 | 1643 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T02N-PLTG | 1.00 | 1647 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T02N-PLTG | 1.00 | 1651 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T03N-PLTF | 1.00 | 1655 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T03N-PLTF | 1.00 | 1659 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T04N-PLTS | 1.00 | 1703 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1707 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1711 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR2-3-T04N-PLTS | 1.00 | 1715 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-1-T02N-PLTG | 1.00 | 1719 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-1-T02N-PLTG | 1.00 | 1723 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Form XIV - IN

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137208
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/20/2010 End Date: 5/20/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K I | S E | A G | N A | T L | V L | Z N | C N | | | | |
| CVR3TR3-1-T04N-PLTS | 1.00 | 1727 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CVR3TR3-1-T04N-PLTS | 1.00 | 1731 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CVR3TR3-2-T02N-PLTG | 1.00 | 1735 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| EQBLK01 | 1.00 | 1738 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CCV | 1.00 | 1742 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CCB | 1.00 | 1746 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |

Form XIV - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137208
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/20/2010 End Date: 5/20/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| S0 | 1.00 | 14:58 | | | | | X | | | | | | | | | | | | |
| STD7 | 1.00 | 15:02 | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 15:06 | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 15:10 | | | | | X | | | | | | | | | | | | |
| ICV | 1.00 | 15:14 | | | | | X | | | | | | | | | | | | |
| ICB | 1.00 | 15:17 | | | | | X | | | | | | | | | | | | |
| ICSA | 1.00 | 15:21 | | | | | X | | | | | | | | | | | | |
| ICSAB | 1.00 | 15:25 | | | | | X | | | | | | | | | | | | |
| CRI | 1.00 | 15:29 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 15:33 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 15:37 | | | | | X | | | | | | | | | | | | |
| PBS051910A | 1.00 | 15:41 | | | | | X | | | | | | | | | | | | |
| LCSS051910A | 1.00 | 15:45 | | | | | X | | | | | | | | | | | | |
| CVR3TR11T04NPLTSAW | 1.00 | 15:49 | | | | | X | | | | | | | | | | | | |
| CVR3TR11T04NPLTSAW | 5.00 | 15:52 | | | | | X | | | | | | | | | | | | |
| CVR3TR11T04NPLTSAW | 1.00 | 15:56 | | | | | X | | | | | | | | | | | | |
| CVR3TR11T04NPLTSAW | 1.00 | 16:00 | | | | | X | | | | | | | | | | | | |
| CVR3TR11T04NPLTSAW | 1.00 | 16:04 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-1-T03N-PLT | 1.00 | 16:08 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-1-T03N-PLT | 1.00 | 16:12 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-1-T04N-PLT | 1.00 | 16:16 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 16:20 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 16:24 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-1-T04N-PLT | 1.00 | 16:28 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-2-T02N-PLT | 1.00 | 16:32 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-2-T02N-PLT | 1.00 | 16:36 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-2-T03N-PLT | 1.00 | 16:39 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-2-T03N-PLT | 1.00 | 16:43 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-3-T02N-PLT | 1.00 | 16:47 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-3-T02N-PLT | 1.00 | 16:51 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-3-T03N-PLT | 1.00 | 16:55 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-3-T03N-PLT | 1.00 | 16:59 | | | | | X | | | | | | | | | | | | |
| CVR3TR2-3-T04N-PLT | 1.00 | 17:03 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 17:07 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 17:11 | | | | | X | | | | | | | | | | | | |

Form XIV - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137208
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/20/2010 End Date: 5/20/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|--|--|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I | | |
| | | | | U | I | O | S | D | | | | | | | | | | | | | |
| CVR3TR2-3-T04N-PLT | 1.00 | 17:15 | | | | X | | | | | | | | | | | | | | | |
| CVR3TR3-1-T02N-PLT | 1.00 | 17:19 | | | | X | | | | | | | | | | | | | | | |
| CVR3TR3-1-T02N-PLT | 1.00 | 17:23 | | | | X | | | | | | | | | | | | | | | |
| CVR3TR3-1-T04N-PLT | 1.00 | 17:27 | | | | X | | | | | | | | | | | | | | | |
| CVR3TR3-1-T04N-PLT | 1.00 | 17:31 | | | | X | | | | | | | | | | | | | | | |
| CVR3TR3-2-T02N-PLT | 1.00 | 17:35 | | | | X | | | | | | | | | | | | | | | |
| EQBLK01 | 1.00 | 17:38 | | | | X | | | | | | | | | | | | | | | |
| CCV | 1.00 | 17:42 | | | | X | | | | | | | | | | | | | | | |
| CCB | 1.00 | 17:46 | | | | X | | | | | | | | | | | | | | | |



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: TFS

Date: 5/20/2010

Reviewed by: *[Signature]*

Date: 5/20/10

QC Review by: *[Signature]*

Date: 05/24/10

TJA ICAP 7

ICP METALS 6010 *B*

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis | | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----------------|-----------|----------|----|--------|---------------|------------|------------------|
| | Date | Time | | | | | |
| 1. CalibStd-Blk | 5/20/2010 | 14:58:18 | 1 | WATER | 052010-02.txt | | <i>+mo</i> |
| 2. STD7 | 5/20/2010 | 15:02:14 | 1 | WATER | 052010-02.txt | | |
| 3. STD8 | 5/20/2010 | 15:06:05 | 1 | WATER | 052010-02.txt | | |
| 4. STD4 | 5/20/2010 | 15:10:03 | 1 | WATER | 052010-02.txt | | |
| 5. ICV1 | 5/20/2010 | 15:14:02 | 1 | WATER | 052010-02.txt | | |
| 6. ICB1 | 5/20/2010 | 15:17:57 | 1 | WATER | 052010-02.txt | | |
| 7. ICSA1 | 5/20/2010 | 15:21:53 | 1 | WATER | 052010-02.txt | | |
| 8. ICSAB1 | 5/20/2010 | 15:25:44 | 1 | WATER | 052010-02.txt | | |
| 9. CRI1 | 5/20/2010 | 15:29:31 | 1 | WATER | 052010-02.txt | | |
| 10. CCV1 | 5/20/2010 | 15:33:26 | 1 | WATER | 052010-02.txt | | |
| 11. CCB1 | 5/20/2010 | 15:37:15 | 1 | WATER | 052010-02.txt | | |
| 12. PBS051910A | 5/20/2010 | 15:41:12 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 13. LCSS051910A | 5/20/2010 | 15:45:07 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 14. 829265 | 5/20/2010 | 15:49:03 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 15. 829265L | 5/20/2010 | 15:52:57 | 5 | WATER | 052010-02.txt | PBICPS0519 | |
| 16. 829265A | 5/20/2010 | 15:56:52 | 1 | WATER | 052010-02.txt | PBICPS0519 | |
| 17. 829265MS | 5/20/2010 | 16:00:48 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 18. 829265DP | 5/20/2010 | 16:04:44 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 19. 829266 | 5/20/2010 | 16:08:38 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 20. 829267 | 5/20/2010 | 16:12:36 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 21. 829268 | 5/20/2010 | 16:16:31 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 22. CCV2 | 5/20/2010 | 16:20:28 | 1 | WATER | 052010-02.txt | | |
| 23. CCB2 | 5/20/2010 | 16:24:20 | 1 | WATER | 052010-02.txt | | |
| 24. 829269 | 5/20/2010 | 16:28:16 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 25. 829270 | 5/20/2010 | 16:32:09 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 26. 829271 | 5/20/2010 | 16:36:04 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 27. 829272 | 5/20/2010 | 16:39:57 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 28. 829273 | 5/20/2010 | 16:43:57 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 29. 829274 | 5/20/2010 | 16:47:53 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 30. 829275 | 5/20/2010 | 16:51:49 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 31. 829276 | 5/20/2010 | 16:55:41 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 32. 829277 | 5/20/2010 | 16:59:42 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 33. 829278 | 5/20/2010 | 17:03:41 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 34. CCV3 | 5/20/2010 | 17:07:35 | 1 | WATER | 052010-02.txt | | |
| 35. CCB3 | 5/20/2010 | 17:11:26 | 1 | WATER | 052010-02.txt | | |
| 36. 829279 | 5/20/2010 | 17:15:23 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 37. 829280 | 5/20/2010 | 17:19:24 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 38. 829281 | 5/20/2010 | 17:23:20 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 39. 829282 | 5/20/2010 | 17:27:13 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 40. 829283 | 5/20/2010 | 17:31:07 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 41. 829284 | 5/20/2010 | 17:35:01 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 42. 829285 | 5/20/2010 | 17:38:56 | 1 | SOIL | 052010-02.txt | PBICPS0519 | |
| 43. CCV4 | 5/20/2010 | 17:42:52 | 1 | WATER | 052010-02.txt | | |
| 44. CCB4 | 5/20/2010 | 17:46:48 | 1 | WATER | 052010-02.txt | | |

TestAmerica Burlington

Mo-LL

Analytical Review Report

Data File: 052010-02.txt

Date Printed: 5/20/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/20/2010

Analysis End Date: 5/20/2010

Start Time: 14:58:1

End Time: 17:46:4

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|----------|-------|--------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 124.90 | -0.0001 | | | | |
| STD4 | 1 | | 0.818 | 0.000 | 0.000 | 0.50 | 0.82 | | | | |
| ICV1 | 1 | PASS | 516.600 | 515.400 | 517.800 | 0.33 | 516.60 | 103.3 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 2.002 | 2.211 | 1.794 | 14.73 | 2.0 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | -0.368 | 0.588 | -1.323 | 367.80 | -0.37 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 995.500 | 991.700 | 999.200 | 0.53 | 996 | 101.0 | 986 | 80 | 120 |
| CR11 | 1 | PASS | 13.160 | 13.450 | 12.870 | 3.11 | 13.16 | 131.6 | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 201.400 | 200.700 | 202.100 | 0.49 | 201.40 | 100.7 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.962 | 0.817 | 1.107 | 21.37 | 1.0 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 201.100 | 200.800 | 201.400 | 0.19 | 201.10 | 100.6 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.727 | 0.538 | 0.917 | 36.91 | 0.7 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 202.000 | 201.700 | 202.300 | 0.23 | 202.00 | 101.0 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.575 | 0.663 | 0.486 | 21.77 | 0.6 | | | | +/-10.00 |
| CCV4 | 1 | PASS | 203.100 | 203.200 | 203.000 | 0.07 | 203.10 | 101.6 | 200.0 | 90 | 110 |
| CCB4 | 1 | PASS | 0.640 | 0.981 | 0.300 | 75.25 | 0.6 | | | | +/-10.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS051910A | 1 | PASS | 0.353 | 0.427 | 0.279 | 29.62 | 0.035 | | | | +/-10.00 |
| LCSS051910A | 1 | PASS | 511.200 | 511.000 | 511.300 | 0.04 | 51.1 | 102.2 | 50.0 | 40.0 | 60.0 |
| 829265 | 1 | PASS | 60.020 | 60.310 | 59.720 | 0.69 | 14.0 | | | | |
| 829265L | 5 | FAIL | 60.070 | 61.010 | 59.140 | 2.19 | 300.35 | | | | |
| 829265A | 1 | PASS | 547.500 | 546.500 | 548.500 | 0.26 | 547.50 | 97.5 | 500.0 | 80 | 120 |
| 829265MS | 1 | PASS | 536.600 | 537.000 | 536.200 | 0.11 | 122.2435 | 95.0 | 113.91 | 80 | 120 |
| 829265DP | 1 | PASS | 61.330 | 61.480 | 61.180 | 0.35 | 13.7388 | | | | |
| 829266 | 1 | PASS | 296.800 | 297.200 | 296.400 | 0.19 | 130 | | | | |
| 829267 | 1 | PASS | 381.400 | 382.000 | 380.800 | 0.23 | 191 | | | | |
| 829268 | 1 | PASS | 122.200 | 122.200 | 122.300 | 0.05 | 27.1 | | | | |
| 829269 | 1 | PASS | 221.600 | 221.300 | 221.900 | 0.21 | 72.5 | | | | |
| 829270 | 1 | PASS | 206.700 | 206.800 | 206.600 | 0.07 | 65.0 | | | | |
| 829271 | 1 | PASS | 113.800 | 113.900 | 113.800 | 0.08 | 37.9 | | | | |
| 829272 | 1 | PASS | 164.400 | 164.000 | 164.700 | 0.30 | 64.2 | | | | |
| 829273 | 1 | PASS | 309.700 | 309.500 | 309.800 | 0.07 | 181 | | | | |
| 829274 | 1 | PASS | 207.100 | 207.100 | 207.000 | 0.03 | 60.7 | | | | |
| 829275 | 1 | PASS | 260.000 | 260.000 | 260.000 | 0.00 | 68.7 | | | | |
| 829276 | 1 | PASS | 173.600 | 172.800 | 174.500 | 0.69 | 92.3 | | | | |
| 829277 | 1 | PASS | 560.800 | 559.300 | 562.300 | 0.38 | 276 | | | | |
| 829278 | 1 | PASS | 143.100 | 142.600 | 143.600 | 0.49 | 36.4 | | | | |
| 829279 | 1 | PASS | 188.800 | 189.000 | 188.700 | 0.12 | 49.7 | | | | |
| 829280 | 1 | PASS | 291.000 | 290.400 | 291.700 | 0.33 | 110 | | | | |
| 829281 | 1 | PASS | 208.300 | 207.800 | 208.800 | 0.35 | 57.7 | | | | |
| 829282 | 1 | PASS | 105.100 | 105.000 | 105.200 | 0.18 | 24.6 | | | | |
| 829283 | 1 | PASS | 127.000 | 126.500 | 127.500 | 0.55 | 30.4 | | | | |
| 829284 | 1 | PASS | 491.900 | 492.200 | 491.600 | 0.09 | 193 | | | | |
| 829285 | 1 | PASS | 0.526 | 0.743 | 0.309 | 58.33 | 0.053 | | | | |

* 0.47
* 50000
* BAA052410

Sample Name: CalibStd-Blk Acquired: 5/20/2010 14:58:18 Type: Cal
 Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0058 | .0019 | .0008 | .0004 | .0004 |
| Stddev | .0028 | .0018 | .0004 | .0003 | .0010 |
| %RSD | 48.93 | 96.33 | 45.62 | 62.28 | 276.4 |
| #1 | .0038 | .0006 | .0005 | .0002 | .0004 |
| #2 | .0078 | .0032 | .0010 | .0006 | .0011 |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0013 | .0002 | .0030 | .0033 | .0004 |
| Stddev | .0012 | .0002 | .0001 | .0004 | .0003 |
| %RSD | 95.94 | 118.8 | 4.848 | 12.91 | 76.12 |
| #1 | .0021 | .0003 | .0029 | .0036 | .0007 |
| #2 | .0004 | .0000 | .0031 | .0030 | .0002 |
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0542 | .0080 | .0327 | .0001 | .0009 |
| Stddev | .0110 | .0009 | .0019 | .0004 | .0005 |
| %RSD | 20.24 | 11.02 | 5.736 | 614.1 | 52.97 |
| #1 | .0464 | .0086 | .0340 | .0003 | .0012 |
| #2 | .0619 | .0074 | .0314 | .0002 | .0006 |

Sample Name: CalibStd-Blk Acquired: 5/20/2010 14:58:18 Type: Cal
 Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|----------------|---------------|----------------|----------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0001 | .0336 | .0041 | .0003 | .0063 |
| Stddev | .0002 | .0022 | .0005 | .0000 | .0050 |
| %RSD | 124.9 | 6.567 | 12.20 | 8.198 | 79.42 |
| #1 | .0000 | .0320 | .0044 | .0004 | .0027 |
| #2 | .0003 | .0352 | .0037 | .0003 | .0098 |
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0004 | .0019 | .0725 | .0001 | .0197 |
| Stddev | .0002 | .0001 | .0005 | .0001 | .0060 |
| %RSD | 69.12 | 4.414 | .6549 | 98.63 | 30.52 |
| #1 | .0002 | .0020 | .0721 | .0002 | .0154 |
| #2 | .0005 | .0018 | .0728 | .0000 | .0239 |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | |
| Avg | .0075 | .0043 | .0095 | .0028 | |
| Stddev | .0002 | .0063 | .0011 | .0001 | |
| %RSD | 3.153 | 147.7 | 12.08 | 4.299 | |
| #1 | .0074 | .0002 | .0087 | .0028 | |
| #2 | .0077 | .0087 | .0103 | .0029 | |

Analyst: TFS

Sample Name: CalibStd-Blk Acquired: 5/20/2010 14:58:18 Type: Cal
 Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 425.12 | 3699.7 | 3835.6 | 4724.0 |
| Stddev | 1.20 | 11.3 | 3.3 | 7.8 |
| %RSD | .28226 | .30436 | .08670 | .16540 |
| #1 | 425.96 | 3707.6 | 3837.9 | 4729.6 |
| #2 | 424.27 | 3691.7 | 3833.2 | 4718.5 |

Sample Name: STD7 Acquired: 5/20/2010 15:02:14 Type: Cal
 Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
|--------|--------------|---------------|----------------|--------------|---------------|
| Line | 396.152 (85) | 318.128 (106) | 271.441 (124)2 | 766.490 (44) | 279.079 (121) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.770 | .8268 | 9.195 | 1.758 | .9730 |
| Stddev | .005 | .0006 | .010 | .004 | .0026 |
| %RSD | .1654 | .0727 | .1058 | .1990 | .2638 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.773 | .8263 | 9.202 | 1.755 | .9749 |
| #2 | 2.767 | .8272 | 9.188 | 1.760 | .9712 |

| Elem | Na-LL |
|--------|--------------|
| Line | 589.592 (57) |
| IS Ref | (Y_HWRD) |
| Units | Cts/S |
| Avg | 5.915 |
| Stddev | .011 |
| %RSD | .1827 |

| | |
|----|-------|
| #1 | 5.923 |
| #2 | 5.907 |

| Int. Std. | Y_HWAX | Y_HWRD |
|-----------|---------------|--------------|
| Line | 224.306 (150) | 371.030 (91) |
| Units | Cts/S | Cts/S |
| Avg | 3600.5 | 4693.9 |
| Stddev | 5.5 | 9.7 |
| %RSD | .15367 | .20614 |

| | | |
|----|--------|--------|
| #1 | 3596.6 | 4687.1 |
| #2 | 3604.5 | 4700.8 |

Sample Name: STD8 Acquired: 5/20/2010 15:06:05 Type: Cal
Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|-----------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 (479) | 220.353 (453) | 206.833 (463) | 196.090 (472) | 189.989 (477)2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0598 | 3.012 | .0760 | .0439 | .1858 |
| Stddev | .0004 | .005 | .0005 | .0001 | .0001 |
| %RSD | .7088 | .1711 | .5936 | .1780 | .0381 |
| #1 | .0601 | 3.008 | .0763 | .0439 | .1858 |
| #2 | .0595 | 3.015 | .0757 | .0440 | .1857 |
| Elem | Ti-LL | | | | |
| Line | 190.856 (477) | | | | |
| IS Ref | (In2306) | | | | |
| Units | Cts/S | | | | |
| Avg | .9510 | | | | |
| Stddev | .0013 | | | | |
| %RSD | .1399 | | | | |
| #1 | .9501 | | | | |
| #2 | .9520 | | | | |
| Int. Std. | In2306 | Y_-LWAX | | | |
| Line | 230.606 (446) | 224.306 (450) | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 422.72 | 3848.0 | | | |
| Stddev | .25 | 3.6 | | | |
| %RSD | .05850 | .09447 | | | |
| #1 | 422.55 | 3845.4 | | | |
| #2 | 422.90 | 3850.6 | | | |

Sample Name: STD4 Acquired: 5/20/2010 15:10:03 Type: Cal
 Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | B-LL | Be-LL | Be-LL | Cd-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 208.959 (461) | 233.527 (144) | 313.042 (108) | 228.802 (447) |
| IS Ref | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.321 | .3429 | .0981 | 2.585 | .9207 |
| Stddev | .008 | .0013 | .0007 | .000 | .0031 |
| %RSD | .3538 | .3837 | .7051 | .0023 | .3337 |
| #1 | 2.327 | .3420 | .0985 | 2.585 | .9185 |
| #2 | 2.315 | .3439 | .0976 | 2.585 | .9229 |

| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
|--------|---------------|---------------|----------------|----------------|---------------|
| Line | 228.616 (447) | 205.552 (464) | 324.754 (104)2 | 257.610 (131)2 | 202.030 (467) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .9874 | 1.531 | 7.259 | 24.32 | .8176 |
| Stddev | .0018 | .002 | .006 | .07 | .0041 |
| %RSD | .1813 | .1289 | .0842 | .2851 | .4970 |
| #1 | .9862 | 1.530 | 7.264 | 24.37 | .8147 |
| #2 | .9887 | 1.533 | 7.255 | 24.27 | .8204 |

| Elem | Ni-LL | P-LL | Si-LL | Sr-LL | Ti-LL |
|--------|---------------|---------------|---------------|--------------|----------------|
| Line | 231.604 (445) | 178.284 (489) | 288.158 (117) | 407.771 (83) | 334.904 (101)2 |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .5844 | .0789 | 4.756 | 75.20 | 5.305 |
| Stddev | .0008 | .0005 | .005 | .34 | .016 |
| %RSD | .1347 | .6272 | .1117 | .4477 | .2913 |
| #1 | .5839 | .0786 | 4.759 | 74.96 | 5.316 |
| #2 | .5850 | .0793 | 4.752 | 75.44 | 5.294 |

Sample Name: STD4 Acquired: 5/20/2010 15:10:03 Type: Cal
 Method: 6010B(v52) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | V-LL | Zn-LL |
|--------|----------------|---------------|
| Line | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S |
| Avg | 3.419 | 3.393 |
| Stddev | .006 | .010 |
| %RSD | .1671 | .3052 |
| #1 | 3.415 | 3.386 |
| #2 | 3.423 | 3.400 |

| Int. Std. | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|--------------|
| Line | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 3702.0 | 3832.7 | 4778.1 |
| Stddev | 9.9 | 6.4 | 21.5 |
| %RSD | .26793 | .16687 | .44952 |
| #1 | 3695.0 | 3837.2 | 4793.3 |
| #2 | 3709.0 | 3828.2 | 4762.9 |

Sample Name: ICV Acquired: 5/20/2010 15:14:02 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 486.3 | 26250. | 258.5 | 505.8 | 495.6 |
| Stddev | .1 | 13. | 3.5 | 1.9 | 2.7 |
| %RSD | .0269 | .0492 | 1.363 | .3680 | .5531 |
| #1 | 486.4 | 26240. | 261.0 | 504.4 | 493.7 |
| #2 | 486.2 | 26260. | 256.0 | 507.1 | 497.5 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 511.6 | 25480. | 485.4 | 484.1 | 491.2 |
| Stddev | .1 | 39. | .5 | 1.3 | .6 |
| %RSD | .0250 | .1518 | .1049 | .2683 | .1136 |
| #1 | 511.5 | 25460. | 485.0 | 483.2 | 490.8 |
| #2 | 511.7 | 25510. | 485.7 | 485.0 | 491.6 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/20/2010 15:14:02 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 471.9 | 25910. | 25880. | 25010. | 480.3 |
| Stddev | 1.2 | 35. | 180. | 31. | .3 |
| %RSD | .2623 | .1352 | .6943 | .1254 | .0592 |
| #1 | 471.0 | 25880. | 25750. | 25040. | 480.5 |
| #2 | 472.8 | 25930. | 26000. | 24990. | 480.1 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 516.6 | 25320. | 474.7 | 519.7 | 1006. |
| Stddev | 1.7 | 2. | 3. | 1.5 | |
| %RSD | .3286 | .0097 | .0547 | .2980 | .0489 |
| #1 | 515.4 | 25320. | 474.9 | 518.6 | 1006. |
| #2 | 517.8 | 25310. | 474.5 | 520.8 | 1006. |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/20/2010 15:14:02 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 250.1 | 252.4 | 265.3 | 240.7 | 492.8 |
| Stddev | .3 | 2.3 | 2.3 | .2 | .3 |
| %RSD | .1030 | .9064 | .8727 | .0796 | .0646 |
| #1 | 249.9 | 250.8 | 263.6 | 240.8 | 493.1 |
| #2 | 250.3 | 254.0 | 266.9 | 240.5 | 492.6 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 504.2 | 248.5 | 506.7 | 504.8 |
| Stddev | 1.7 | .2 | 1.3 | .7 |
| %RSD | .3379 | .0983 | .2515 | .1308 |
| #1 | 505.5 | 248.7 | 505.8 | 504.3 |
| #2 | 503.0 | 248.4 | 507.6 | 505.2 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/20/2010 15:14:02 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 394.45 | 3638.3 | 3760.6 | 4706.9 |
| Stddev | 2.17 | 9.2 | 19.4 | 24.7 |
| %RSD | .55135 | .25304 | .51582 | .52571 |
| #1 | 392.91 | 3644.8 | 3746.9 | 4724.4 |
| #2 | 395.99 | 3631.8 | 3774.3 | 4689.4 |

Sample Name: ICB Acquired: 5/20/2010 15:17:57 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3459 | 23.81 | -3.463 | 1.831 | 1.482 |
| Stddev | .4137 | 25.76 | 1.215 | .654 | 1.931 |
| %RSD | 119.6 | 108.2 | 35.07 | 35.71 | 130.3 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | .6385 | 42.02 | -4.322 | 2.293 | 2.848 |
| #2 | .0534 | 5.592 | -2.604 | 1.369 | 1.169 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0963 | 20.89 | -1.151 | -8.391 | .0041 |
| Stddev | .0677 | 65.94 | .0858 | 1.803 | .2851 |
| %RSD | 70.35 | 315.7 | 74.51 | 21.49 | 7006. |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | .1441 | -25.74 | -0.545 | -9.666 | .2057 |
| #2 | .0484 | 67.52 | -1.758 | -7.116 | -1.976 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/20/2010 15:17:57 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8771 | -1.316 | -37.36 | 14.22 | .1822 |
| Stddev | .0403 | 1.940 | 50.77 | 44.25 | .1588 |
| %RSD | 4.594 | 147.4 | 135.9 | 311.1 | 87.15 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | .8486 | .0557 | -73.26 | -17.06 | .0699 |
| #2 | .9056 | -2.688 | -1.464 | 45.51 | .2945 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.002 | 19.52 | .6184 | -1.384 | 1.851 |
| Stddev | .295 | 9.51 | .0549 | 1.377 | 2.255 |
| %RSD | 14.73 | 48.72 | 8.884 | 99.46 | 121.9 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | 2.211 | 26.25 | .5796 | -4.108 | 3.446 |
| #2 | 1.794 | 12.80 | .6573 | -2.358 | .2560 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/20/2010 15:17:57 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.002 | 2.644 | -4.813 | -7.795 | .0063 |
| Stddev | 2.101 | .444 | 1.557 | 2.475 | .0029 |
| %RSD | 104.9 | 16.81 | 323.5 | 31.03 | 46.09 |

| | | | | | |
|----|--------|-------|--------|--------|-------|
| #1 | -5.164 | 2.330 | -1.582 | -.9725 | .0083 |
| #2 | -3.488 | 2.958 | .6196 | -.6225 | .0042 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -7.073 | -3.493 | .1643 | .1874 |
| Stddev | .1341 | 1.920 | .0292 | .0382 |
| %RSD | 18.95 | 549.7 | 17.76 | 20.40 |

| | | | | |
|----|--------|--------|-------|-------|
| #1 | -6.125 | 1.008 | .1436 | .2144 |
| #2 | -.8021 | -1.707 | .1849 | .1604 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/20/2010 15:17:57 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 423.01 | 3688.2 | 3815.3 | 4678.6 |
| Stddev | .67 | 3.9 | 4.6 | 31.5 |
| %RSD | .15787 | .10507 | .11971 | .67369 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 422.54 | 3685.4 | 3812.1 | 4700.9 |
| #2 | 423.48 | 3690.9 | 3818.5 | 4656.3 |

LL 296.1 2581.7 2670.7 3075.0
 ULL 548.5 4754.7 4555.9 6062.2

Sample Name: ICSA Acquired: 5/20/2010 15:21:53 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.053 | 514800. | 1.712 | 2.116 | 9.168 |
| Stddev | .413 | 1016. | .304 | .848 | 3.220 |
| %RSD | 39.23 | .1973 | 17.78 | 40.06 | 35.12 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -1.346 | 514100. | 1.496 | 1.517 | 11.44 |
| #2 | -.7611 | 515600. | 1.927 | 2.716 | 6.891 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Co-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2615 | 497700. | .7748 | 1.883 | 7.968 |
| Stddev | .3028 | 1764. | .0602 | .523 | .081 |
| %RSD | 115.8 | .3545 | 7.770 | 27.76 | 1.015 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -.0474 | 496500. | .7322 | 2.253 | 8.025 |
| #2 | -.4756 | 499000. | .8173 | 1.514 | 7.911 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 5/20/2010 15:21:53 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3013 | 194600. | -99.16 | 495300. | 1.087 |
| Stddev | .5679 | 52 | 20.11 | 1395. | .283 |
| %RSD | 188.5 | .0270 | 20.28 | .2816 | 26.08 |

| | | | | | |
|----|--------|---------|--------|---------|-------|
| #1 | .7029 | 194500. | -84.94 | 494300. | 1.287 |
| #2 | -.1003 | 194600. | -113.4 | 496300. | .8862 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.675 | 39.51 | -6.638 | .8536 | 5.516 |
| Stddev | 1.352 | 35.17 | 1.089 | .7092 | 1.179 |
| %RSD | 367.8 | 89.02 | 16.41 | 83.08 | 21.37 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | .5883 | 14.64 | -5.867 | .3521 | 4.682 |
| #2 | -1.323 | 64.38 | -7.408 | 1.355 | 6.349 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 5/20/2010 15:21:53 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.874 | -3.290 | 14.65 | .4214 | 15.82 |
| Stddev | .737 | 4.516 | 6.19 | .0090 | .06 |
| %RSD | 9.353 | 137.3 | 42.26 | 2.124 | .3742 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -7.354 | -6.483 | 10.27 | .4277 | 15.86 |
| #2 | -8.395 | -.0963 | 19.03 | .4151 | 15.78 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.910 | 5.148 | -3.776 | -3.744 |
| Stddev | .371 | 2.253 | .827 | .036 |
| %RSD | 6.271 | 43.77 | 21.90 | .9551 |

| | | | | |
|----|-------|-------|--------|--------|
| #1 | 5.648 | 3.555 | -3.192 | -3.769 |
| #2 | 6.172 | 6.742 | -4.361 | -3.718 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSA Acquired: 5/20/2010 15:21:53 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 333.57 | 3370.2 | 3477.5 | 4590.6 |
| Stddev | 1.34 | 4.4 | 1.8 | 11.7 |
| %RSD | .40054 | .13200 | .05157 | .25549 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 334.51 | 3373.4 | 3476.2 | 4582.3 |
| #2 | 332.62 | 3367.1 | 3478.8 | 4598.9 |

Sample Name: ICSAB Acquired: 5/20/2010 15:25:44 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 189.8 | 506200. | 92.87 | 1426. | 473.8 |
| Stddev | .7 | 950. | 1.05 | 3. | 10.5 |
| %RSD | .3452 | .1876 | 1.128 | .2292 | 2.226 |
| #1 | 190.3 | 506800. | 92.13 | 1424. | 466.3 |
| #2 | 189.3 | 505500. | 93.62 | 1429. | 481.2 |

Check ?
 Value
 Range

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 498.6 | 489200. | 958.2 | 453.8 | 484.1 |
| Stddev | 1.7 | 1886. | 1.2 | .3 | .7 |
| %RSD | .3358 | .3855 | .1299 | .0628 | .1477 |
| #1 | 499.8 | 490500. | 957.3 | 453.6 | 483.6 |
| #2 | 497.4 | 487900. | 959.0 | 454.0 | 484.7 |

Check ?
 Value
 Range

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSAB Acquired: 5/20/2010 15:25:44 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 476.7 | 194400. | 64.70 | 482900. | 472.4 |
| Stddev | 1.7 | 811. | 20.23 | 1823. | 1.7 |
| %RSD | .3526 | .4171 | 31.27 | .3774 | .3612 |
| #1 | 477.9 | 194900. | 79.00 | 484200. | 473.6 |
| #2 | 475.5 | 193800. | 50.39 | 481600. | 471.2 |

Check ?
 Value
 Range

Chk Pass Chk Pass None None Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 995.5 | 42.51 | 891.1 | 498.2 | 51.29 |
| Stddev | 5.3 | 7.07 | .3 | .5 | 3.93 |
| %RSD | .5338 | 16.64 | .0293 | .0943 | 7.667 |
| #1 | 991.7 | 47.51 | 890.9 | 497.9 | 48.51 |
| #2 | 999.2 | 37.50 | 891.3 | 498.6 | 54.07 |

Check ?
 Value
 Range

Chk Pass None Chk Pass Chk Pass Chk Pass

Sample Name: ICSAB Acquired: 5/20/2010 15:25:44 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 571.1 | 36.23 | 993.8 | 1387. | 243.0 |
| Stddev | 5.4 | .40 | .7 | 1. | .3 |
| %RSD | .9420 | 1.092 | .0669 | .0369 | .1407 |
| #1 | 574.9 | 35.95 | 994.3 | 1387. | 242.7 |
| #2 | 567.3 | 36.51 | 993.3 | 1388. | 243.2 |

Check ?
 Value
 Range

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 497.7 | 95.04 | 507.8 | 980.8 |
| Stddev | 1.2 | 2.99 | 1.8 | .6 |
| %RSD | .2461 | 3.148 | .3586 | .0639 |
| #1 | 498.5 | 97.16 | 509.1 | 980.4 |
| #2 | 496.8 | 92.93 | 506.5 | 981.2 |

Check ?
 Value
 Range

Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSAB Acquired: 5/20/2010 15:25:44 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 333.18 | 3357.5 | 3469.0 | 4600.2 |
| Stddev | .95 | 22.8 | 18.0 | 12.1 |
| %RSD | .28560 | .67850 | .51821 | .26381 |
| #1 | 332.50 | 3341.3 | 3456.3 | 4591.6 |
| #2 | 333.85 | 3373.6 | 3481.7 | 4608.8 |

Sample Name: CRI Acquired: 5/20/2010 15:29:31 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.905 | F 416.0 | 9.763 | 104.1 | 195.6 |
| Stddev | .206 | 57.1 | .224 | 1.8 | 1.8 |
| %RSD | 2.076 | 13.72 | 2.295 | 1.706 | .9175 |
| #1 | 9.760 | 456.4 | 9.605 | 105.3 | 194.3 |
| #2 | 10.05 | 375.7 | 9.922 | 102.8 | 196.9 |

Check ? Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit 300.0
 Low Limit 100.0

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.248 | 535.1 | 5.325 | 49.36 | 10.54 |
| Stddev | .145 | .92 | .024 | .37 | .01 |
| %RSD | 2.770 | 1.722 | .4571 | .7538 | .0646 |
| #1 | 5.351 | 541.6 | 5.308 | 49.62 | 10.54 |
| #2 | 5.145 | 528.6 | 5.342 | 49.10 | 10.55 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRI Acquired: 5/20/2010 15:29:31 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 25.08 | F 313.5 | 5277. | 5312. | 15.39 |
| Stddev | .16 | 5.9 | 14. | 33. | .07 |
| %RSD | .6545 | 1.890 | .2593 | .6241 | .4818 |
| #1 | 24.97 | 317.7 | 5267. | 5336. | 15.34 |
| #2 | 25.20 | 309.3 | 5286. | 5289. | 15.45 |

Check ? Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass
 High Limit 300.0
 Low Limit 100.0

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.16 | 5171. | 39.68 | 258.5 | 7.309 |
| Stddev | .41 | 31. | .34 | 2.4 | .720 |
| %RSD | 3.109 | .6023 | .8504 | .9405 | 9.850 |
| #1 | 13.45 | 5193. | 39.92 | 256.8 | 6.800 |
| #2 | 12.87 | 5149. | 39.44 | 260.2 | 7.818 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRI Acquired: 5/20/2010 15:29:31 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 61.92 | 36.12 | 108.5 | 19.16 | 21.14 |
| Stddev | 1.33 | .40 | 1.5 | .15 | .09 |
| %RSD | 2.145 | 1.109 | 1.376 | .8010 | .4113 |
| #1 | 60.98 | 36.40 | 107.4 | 19.06 | 21.20 |
| #2 | 62.86 | 35.84 | 109.6 | 19.27 | 21.08 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.33 | 24.31 | 50.60 | 20.73 |
| Stddev | .17 | .55 | 1.00 | .08 |
| %RSD | .8468 | 2.277 | 1.970 | .3764 |
| #1 | 20.46 | 23.92 | 51.30 | 20.67 |
| #2 | 20.21 | 24.70 | 49.89 | 20.78 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CRI Acquired: 5/20/2010 15:29:31 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 418.46 | 3684.1 | 3825.7 | 4687.6 |
| Stddev | 1.42 | 20.3 | 3.4 | 40.2 |
| %RSD | .33829 | .55189 | .08825 | .85794 |
| #1 | 417.46 | 3669.8 | 3828.1 | 4659.2 |
| #2 | 419.46 | 3698.5 | 3823.3 | 4716.0 |

Sample Name: CCV Acquired: 5/20/2010 15:33:26 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.88 | 29950. | 101.9 | 722.1 | 196.3 |
| Stddev | .04 | 15. | 4 | 2.1 | 2.8 |
| %RSD | .0393 | .0512 | .4152 | .2879 | 1.419 |
| #1 | 96.86 | 29960. | 102.2 | 720.7 | 198.3 |
| #2 | 96.91 | 29940. | 101.6 | 723.6 | 194.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.8 | 29760. | 98.00 | 191.1 | 196.6 |
| Stddev | .3 | 97. | .04 | 4 | .2 |
| %RSD | .3077 | .3254 | .0433 | .2252 | .1212 |
| #1 | 101.0 | 29690. | 97.97 | 191.4 | 196.4 |
| #2 | 100.6 | 29830. | 98.03 | 190.7 | 196.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 15:33:26 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 189.1 | 30140. | 29940. | 29890. | 191.9 |
| Stddev | 2 | 46. | 232. | 22 | 4 |
| %RSD | .0850 | .1535 | .7742 | .0723 | .1880 |
| #1 | 189.0 | 30100. | 29780. | 29910. | 191.6 |
| #2 | 189.2 | 30170. | 30110. | 29880. | 192.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 201.4 | 30090. | 188.6 | 204.6 | 404.9 |
| Stddev | 1.0 | 111. | .8 | .1 | .3 |
| %RSD | .4862 | .3690 | .4077 | .0471 | .0743 |
| #1 | 200.7 | 30010. | 189.1 | 204.7 | 405.1 |
| #2 | 202.1 | 30170. | 188.0 | 204.6 | 404.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 15:33:26 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 296.4 | 97.84 | 1011. | 197.0 | 299.2 |
| Stddev | 1.2 | 1.75 | 4. | 1.0 | .8 |
| %RSD | .3936 | 1.786 | .4138 | .4964 | .2642 |
| #1 | 297.2 | 96.60 | 1014. | 197.7 | 298.6 |
| #2 | 295.5 | 99.08 | 1008. | 196.3 | 299.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 398.4 | 102.1 | 201.5 | 200.1 |
| Stddev | 1.2 | 1.1 | .9 | .6 |
| %RSD | .3077 | 1.051 | .4423 | .3155 |
| #1 | 397.5 | 101.4 | 200.9 | 199.6 |
| #2 | 399.3 | 102.9 | 202.1 | 200.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 15:33:26 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 390.79 | 3631.2 | 3770.1 | 4698.6 |
| Stddev | .21 | 8.9 | .4 | 23.2 |
| %RSD | .05464 | .24611 | .01031 | .49296 |
| #1 | 390.64 | 3637.6 | 3769.8 | 4714.9 |
| #2 | 390.94 | 3624.9 | 3770.4 | 4682.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 15:37:15 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3300 | 49.72 | -3.097 | 2.783 | 9894 |
| Stddev | .1219 | 23.14 | 2.487 | .065 | .6267 |
| %RSD | 36.94 | 46.54 | 80.30 | 2.334 | 63.34 |
| #1 | -2438 | 33.36 | -4.855 | 2.829 | .5462 |
| #2 | -4162 | 66.09 | -1.338 | 2.738 | 1.433 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1193 | 36.85 | -1.288 | 2.309 | .0889 |
| Stddev | .3409 | 14.04 | .1297 | .0770 | .2163 |
| %RSD | 285.7 | 38.11 | 100.7 | 33.36 | 243.3 |
| #1 | .3604 | 26.92 | -.0370 | .1765 | .2419 |
| #2 | -.1217 | 46.78 | -.2205 | .2854 | -.0641 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/20/2010 15:37:15 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8224 | 23.30 | 11.72 | 48.37 | .0750 |
| Stddev | .8187 | 10.44 | 7.34 | 16.84 | .0986 |
| %RSD | 99.55 | 44.81 | 62.59 | 34.82 | 131.6 |
| #1 | .2435 | 15.92 | 16.91 | 60.28 | .1447 |
| #2 | 1.401 | 30.69 | 6.535 | 36.46 | .0052 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9621 | -1.843 | -.0377 | -.4568 | .1522 |
| Stddev | .2056 | 9.759 | 1.334 | .1487 | .7050 |
| %RSD | 21.37 | 529.6 | 3534. | 32.56 | 463.2 |
| #1 | .8167 | -8.744 | .9055 | -.3516 | -.3463 |
| #2 | 1.107 | 5.058 | -.9810 | -.5620 | .6507 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/20/2010 15:37:15 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6604 | -2.291 | -1.800 | .4017 | .1016 |
| Stddev | 2.142 | 1.247 | 3.851 | .4205 | .0253 |
| %RSD | 324.4 | 54.43 | 214.0 | 104.7 | 24.86 |
| #1 | .8546 | -3.172 | -4.523 | .1044 | .0838 |
| #2 | -2.175 | -1.409 | .9233 | .6991 | .1195 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.6677 | -.0170 | .0751 | -.0206 |
| Stddev | .5066 | 1.336 | .3729 | .0089 |
| %RSD | 75.88 | 7860. | 496.5 | 43.12 |
| #1 | -1.026 | .9278 | -.1886 | -.0268 |
| #2 | -.3095 | -.9618 | .3388 | -.0143 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/20/2010 15:37:15 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 424.21 | 3690.5 | 3814.6 | 4661.0 |
| Stddev | .09 | 4.4 | 5.8 | 17.7 |
| %RSD | .02125 | .11859 | .15078 | .37964 |
| #1 | 424.27 | 3687.4 | 3810.5 | 4648.5 |
| #2 | 424.15 | 3693.6 | 3818.6 | 4673.6 |

Sample Name: PBS051910A Acquired: 5/20/2010 15:41:12 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0820 | 21.34 | -9562 | 2.951 | -3.131 |
| Stddev | .0390 | 23.94 | .1951 | 1.603 | 1.470 |
| %RSD | 47.50 | 112.2 | 20.41 | 54.32 | 46.96 |

| | | | | | |
|----|-------|-------|--------|-------|--------|
| #1 | .1096 | 38.26 | -1.094 | 4.085 | -2.091 |
| #2 | .0545 | 4.410 | -.8182 | 1.817 | -4.170 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0172 | -3.116 | -.0133 | -.2937 | .1702 |
| Stddev | .2081 | 28.11 | .0862 | .0311 | .0671 |
| %RSD | 1208. | 902.2 | 650.5 | 10.60 | 39.43 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -.1299 | -22.99 | -.0742 | -.3158 | .1228 |
| #2 | .1644 | 16.76 | .0477 | -.2717 | .2177 |

Check ? Value Range

Sample Name: PBS051910A Acquired: 5/20/2010 15:41:12 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9592 | 20.18 | 62.44 | 15.46 | .3562 |
| Stddev | .5014 | 4.91 | 48.15 | 46.04 | .0550 |
| %RSD | 52.28 | 24.34 | 77.11 | 297.9 | 15.44 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | .6046 | 16.70 | 96.49 | 48.01 | .3951 |
| #2 | 1.314 | 23.65 | 28.39 | -17.10 | .3173 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3534 | 33.93 | .7152 | 6.871 | .0639 |
| Stddev | .1047 | 24.66 | .1661 | 2.824 | 2.141 |
| %RSD | 29.62 | 72.70 | 23.22 | 41.11 | 3351. |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | .4274 | 51.37 | 5978 | 8.869 | 1.578 |
| #2 | .2794 | 16.48 | .8327 | 4.874 | -1.450 |

Check ? Value Range

Sample Name: PBS051910A Acquired: 5/20/2010 15:41:12 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8228 | .9604 | 10.54 | 14.48 | .0023 |
| Stddev | .0476 | 3.351 | 2.10 | .12 | .0176 |
| %RSD | 5.780 | 348.9 | 19.96 | .8403 | 777.9 |

| | | | | | |
|----|-------|--------|-------|-------|--------|
| #1 | .8564 | 3.330 | 9.050 | 14.57 | .0147 |
| #2 | .7891 | -1.409 | 12.02 | 14.39 | -.0102 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.2912 | -3.984 | .7412 | .7871 |
| Stddev | .1910 | 1.375 | .2819 | .0059 |
| %RSD | 65.60 | 34.50 | 38.03 | .7445 |

| | | | | |
|----|--------|--------|-------|-------|
| #1 | -.1561 | -3.012 | .5419 | .7829 |
| #2 | -.4263 | -4.956 | .9405 | .7912 |

Check ? Value Range

Sample Name: PBS051910A Acquired: 5/20/2010 15:41:12 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 423.53 | 3699.0 | 3841.2 | 4705.9 |
| Stddev | 2.01 | 6.6 | 9.9 | 15.9 |
| %RSD | .47447 | .17748 | .25770 | .33771 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 422.11 | 3694.4 | 3848.2 | 4717.1 |
| #2 | 424.96 | 3703.7 | 3834.2 | 4694.7 |

Sample Name: LCSS051910A Acquired: 5/20/2010 15:45:07 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 246.8 | 2262. | 241.9 | 480.0 | 2079. |
| Stddev | .1 | 54. | 2.3 | 1.3 | 6. |
| %RSD | .0586 | 2.367 | .9706 | .2666 | .2903 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 246.9 | 2300. | 243.5 | 479.1 | 2083. |
| #2 | 246.7 | 2224. | 240.2 | 480.9 | 2075. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 54.91 | 20220. | 244.1 | 456.5 | 215.5 |
| Stddev | .31 | 22. | .3 | .8 | .6 |
| %RSD | .5560 | .1111 | .1136 | .1725 | .2759 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 55.13 | 20200. | 244.3 | 457.1 | 216.0 |
| #2 | 54.70 | 20240. | 243.9 | 456.0 | 215.1 |

Check ? Value Range
 None None None None None

Sample Name: LCSS051910A Acquired: 5/20/2010 15:45:07 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 259.0 | 1175. | 20980. | 19760. | 492.9 |
| Stddev | 1.2 | 6. | 102. | 20. | .2 |
| %RSD | .4690 | .5325 | .4870 | .0987 | .0409 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 258.2 | 1170. | 20900. | 19780. | 493.0 |
| #2 | 259.9 | 1179. | 21050. | 19750. | 492.8 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 511.2 | 20200. | 488.6 | 506.4 | 226.6 |
| Stddev | .2 | 61. | .6 | .5 | 3.2 |
| %RSD | .0448 | .3015 | .1266 | .0965 | 1.393 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 511.0 | 20240. | 489.0 | 506.0 | 228.8 |
| #2 | 511.3 | 20150. | 488.2 | 506.7 | 224.3 |

Check ? Value Range
 None None None None None

Sample Name: LCSS051910A Acquired: 5/20/2010 15:45:07 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 480.4 | 241.8 | 498.0 | 521.7 | 499.6 |
| Stddev | 3.1 | 3.1 | 1.4 | 1.0 | .6 |
| %RSD | .6393 | 1.299 | .2851 | .1864 | .1165 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 478.2 | 239.6 | 497.0 | 522.4 | 499.2 |
| #2 | 482.6 | 244.0 | 499.0 | 521.0 | 500.0 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 505.3 | 252.2 | 511.1 | 492.9 |
| Stddev | .4 | 2.1 | .0 | .4 |
| %RSD | .0836 | .8462 | .0043 | .0746 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 505.0 | 253.7 | 511.1 | 493.2 |
| #2 | 505.6 | 250.7 | 511.0 | 492.7 |

Check ? Value Range
 None None None None

Sample Name: LCSS051910A Acquired: 5/20/2010 15:45:07 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 394.45 | 3619.5 | 3737.4 | 4634.9 |
| Stddev | .33 | 9.7 | 4.9 | 12.5 |
| %RSD | .08249 | .26873 | .13142 | .26877 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 394.22 | 3612.6 | 3740.8 | 4626.1 |
| #2 | 394.68 | 3626.4 | 3733.9 | 4643.7 |

Sample Name: 829265 Acquired: 5/20/2010 15:49:03 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.101 | 286.0 | -7256 | 186.8 | 20.61 |
| Stddev | 1.302 | 1.3 | .3695 | .1 | 5.80 |
| %RSD | 1182. | .4595 | 50.92 | .0602 | 28.12 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | .8106 | 287.0 | -.9869 | 186.9 | 24.71 |
| #2 | -1.031 | 285.1 | -.4644 | 186.8 | 16.52 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1557 | 26250. | 1.717 | .1798 | 1.856 |
| Stddev | .0283 | 170. | .101 | .0296 | .034 |
| %RSD | 18.17 | .6464 | 5.871 | 16.44 | 1.843 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .1757 | 26370. | 1.788 | .2007 | 1.832 |
| #2 | .1356 | 26130. | 1.645 | .1589 | 1.880 |

Check ? Value Range
 None None None None None

Sample Name: 829265 Acquired: 5/20/2010 15:49:03 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 82.51 | 452.2 | 60220. | 6902. | 482.6 |
| Stddev | .38 | .9 | 321. | 58. | .6 |
| %RSD | .4599 | .2044 | .5327 | .8338 | .1151 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 82.24 | 452.8 | 60450. | 6943. | 483.0 |
| #2 | 82.78 | 451.5 | 59990. | 6861. | 482.2 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 60.02 | 1313. | 1.793 | 7158. | 1.332 |
| Stddev | .41 | 2. | .359 | 5. | .292 |
| %RSD | .6885 | .1794 | 20.05 | .0661 | 21.91 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 60.31 | 1315. | 1.539 | 7154. | 1.538 |
| #2 | 59.72 | 1312. | 2.047 | 7161. | 1.126 |

Check ? Value Range
 None None None None None

Sample Name: 829265 Acquired: 5/20/2010 15:49:03 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5998 | 4.104 | 653.6 | 11.17 | 198.4 |
| Stddev | .3311 | 1.035 | 1.5 | .59 | .8 |
| %RSD | 55.20 | 25.22 | .2291 | 5.315 | .4280 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.3657 | 3.372 | 652.5 | 11.59 | 199.0 |
| #2 | -.8339 | 4.836 | 654.7 | 10.75 | 197.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.207 | -4.837 | 1.463 | 744.4 |
| Stddev | .488 | 1.324 | .691 | 1.0 |
| %RSD | 5.944 | 27.37 | 47.21 | .1352 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 8.552 | -5.773 | 1.951 | 743.7 |
| #2 | 7.862 | -3.901 | .9746 | 745.2 |

Check ? Value Range
 None None None None

Sample Name: 829265 Acquired: 5/20/2010 15:49:03 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 411.46 | 3715.3 | 3841.0 | 4721.3 |
| Stddev | .13 | 4.7 | 2.3 | 30.8 |
| %RSD | .03264 | .12523 | .06069 | .65270 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 411.56 | 3712.0 | 3842.6 | 4699.5 |
| #2 | 411.37 | 3718.6 | 3839.3 | 4743.1 |

Sample Name: 829265L Acquired: 5/20/2010 15:52:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 396.152 {85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2563 | 540.8 | -17.33 | 190.6 | 39.99 |
| Stddev | .7079 | 140.6 | .52 | 4.6 | 7.74 |
| %RSD | 276.2 | 26.00 | 2.980 | 2.417 | 19.37 |

#1 2442 441.4 -17.70 187.4 45.46
 #2 -7569 640.3 -16.96 193.9 34.51

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4320 | 26170. | 1.470 | -3.283 | 1.621 |
| Stddev | 1.127 | 10. | 1.164 | 1.061 | .576 |
| %RSD | 260.9 | .0395 | 11.14 | 323.2 | 35.51 |

#1 -3651 26160. 1.354 .4220 1.214
 #2 1.229 26180. 1.586 -1.079 2.028

Check ? Value Range
 None None None None None

Sample Name: 829265L Acquired: 5/20/2010 15:52:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 {44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 82.72 | 460.8 | 60310. | 7000. | 488.1 |
| Stddev | 1.27 | 46.0 | 67. | 270. | 1.5 |
| %RSD | 1.536 | 9.990 | .1113 | 3.850 | .3175 |

#1 81.82 493.3 60360. 7190. 489.2
 #2 83.61 428.2 60260. 6809. 487.0

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 {467} | 589.592 {57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 60.07 | 1343. | .2115 | 7102. | 4070 |
| Stddev | 1.32 | 17. | 5.131 | 22. | 9.992 |
| %RSD | 2.194 | 1.260 | 2426. | .3079 | 2455. |

#1 61.01 1331. 3.839 7117. 7.473
 #2 59.14 1355. -3.417 7086. -6.659

Check ? Value Range
 None None None None None

Sample Name: 829265L Acquired: 5/20/2010 15:52:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 {83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.536 | -5.658 | 632.7 | 12.50 | 197.5 |
| Stddev | 3.133 | 15.57 | 9.8 | 1.85 | 2.2 |
| %RSD | 32.85 | 275.2 | 1.544 | 14.76 | 1.137 |

#1 11.75 5.352 625.8 13.80 199.1
 #2 7.320 -16.67 639.6 11.19 195.9

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.771 | -2.037 | 6.130 | 762.9 |
| Stddev | 2.779 | 4.579 | 2.196 | 2.1 |
| %RSD | 48.16 | 224.8 | 35.82 | .2789 |

#1 7.736 -5.275 4.577 764.4
 #2 3.805 1.201 7.683 761.4

Check ? Value Range
 None None None None

Sample Name: 829265L Acquired: 5/20/2010 15:52:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 {91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 422.08 | 3745.9 | 3848.9 | 4740.8 |
| Stddev | .19 | 2.2 | 9.5 | 42.7 |
| %RSD | .04455 | .05939 | .24661 | .90164 |

#1 421.94 3747.4 3842.2 4710.6
 #2 422.21 3744.3 3855.6 4771.0

Sample Name: 829265A Acquired: 5/20/2010 15:56:52 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7065 | 2301. | 39.38 | 660.7 | 1973. |
| Stddev | .5622 | 43. | 1.57 | 1.1 | 15. |
| %RSD | 79.57 | 1.879 | 3.977 | .1723 | .7674 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -3090 | 2271. | 38.28 | 659.9 | 1962. |
| #2 | -1.104 | 2332. | 40.49 | 661.5 | 1983. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.99 | 25940. | 51.74 | 449.9 | 201.4 |
| Stddev | .52 | 108. | .04 | 1.4 | .4 |
| %RSD | .9975 | .4172 | .0798 | .3131 | .1951 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 51.62 | 25860. | 51.77 | 448.9 | 201.1 |
| #2 | 52.35 | 26010. | 51.71 | 450.9 | 201.7 |

Check ? Value Range
 None None None None None

Sample Name: 829265A Acquired: 5/20/2010 15:56:52 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 327.9 | 1522. | 59570. | 6854. | 943.5 |
| Stddev | .4 | 19. | 229. | 20. | 1.1 |
| %RSD | .1093 | 1.257 | .3843 | .2936 | .1119 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 328.1 | 1508. | 59410. | 6868. | 944.3 |
| #2 | 327.6 | 1535. | 59730. | 6840. | 942.8 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 547.5 | 1302. | 451.5 | 7548. | 20.75 |
| Stddev | 1.4 | 38. | 1 | 26. | 2.89 |
| %RSD | .2612 | 2.915 | .0309 | .3400 | 13.91 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 546.5 | 1275. | 451.4 | 7530. | 18.71 |
| #2 | 548.5 | 1329. | 451.6 | 7566. | 22.79 |

Check ? Value Range
 None None None None None

Sample Name: 829265A Acquired: 5/20/2010 15:56:52 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 468.5 | 54.61 | 1145. | 458.3 | 654.0 |
| Stddev | 4.5 | .79 | 7. | 1.1 | 2.0 |
| %RSD | .9510 | 1.447 | .6446 | .2434 | .3134 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 465.4 | 54.05 | 1150. | 459.1 | 655.4 |
| #2 | 471.7 | 55.17 | 1140. | 457.5 | 652.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 470.1 | 50.12 | 483.2 | 1199. |
| Stddev | 1.3 | .28 | .6 | 3. |
| %RSD | .2683 | .5504 | .1208 | .2606 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 471.0 | 49.92 | 483.6 | 1197. |
| #2 | 469.2 | 50.31 | 482.8 | 1201. |

Check ? Value Range
 None None None None

Sample Name: 829265A Acquired: 5/20/2010 15:56:52 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 414.12 | 3757.0 | 3881.8 | 4773.9 |
| Stddev | 1.44 | 6.5 | 2.2 | 4.1 |
| %RSD | .34801 | .17398 | .05771 | .08595 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 415.14 | 3752.4 | 3883.4 | 4771.0 |
| #2 | 413.11 | 3761.7 | 3880.2 | 4776.8 |

Sample Name: 829265MS Acquired: 5/20/2010 16:00:48 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 47.78 | 2338. | 39.36 | 628.9 | 1969. |
| Stddev | .17 | 36. | .95 | .7 | 12. |
| %RSD | .3523 | 1.555 | 2.425 | .1178 | .6316 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 47.67 | 2364. | 38.68 | 629.4 | 1961. |
| #2 | 47.90 | 2312. | 40.03 | 628.4 | 1978. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 52.11 | 23430. | 51.05 | 435.1 | 204.5 |
| Stddev | .12 | 32. | .07 | .2 | .6 |
| %RSD | .2236 | .1366 | .1431 | .0448 | .3145 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 52.19 | 23410. | 51.00 | 435.2 | 204.0 |
| #2 | 52.03 | 23450. | 51.11 | 434.9 | 205.0 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829265MS Acquired: 5/20/2010 16:00:48 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 323.8 | 1474. | 55070. | 6203. | 931.2 |
| Stddev | 1.7 | 6. | 106. | 63. | .1 |
| %RSD | .5294 | .3844 | .1931 | 1.009 | .0095 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 325.0 | 1478. | 55150. | 6247. | 931.2 |
| #2 | 322.5 | 1470. | 55000. | 6158. | 931.1 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 536.6 | 1187. | 466.3 | 6925. | 21.16 |
| Stddev | .6 | 7. | .3 | 27. | 1.52 |
| %RSD | .1101 | .5569 | .0606 | .3845 | 7.189 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 537.0 | 1182. | 466.1 | 6907. | 22.23 |
| #2 | 536.2 | 1192. | 466.5 | 6944. | 20.08 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829265MS Acquired: 5/20/2010 16:00:48 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 458.7 | 55.58 | 1269. | 484.4 | 651.1 |
| Stddev | .7 | .62 | 6. | 4.1 | 4.2 |
| %RSD | .1504 | 1.108 | .5088 | .8400 | .6406 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 458.2 | 56.02 | 1274. | 481.6 | 654.0 |
| #2 | 459.1 | 55.15 | 1264. | 487.3 | 648.1 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 479.8 | 49.26 | 481.7 | 1163. |
| Stddev | .0 | .56 | .9 | 3. |
| %RSD | .0047 | 1.136 | .1866 | .2440 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 479.9 | 48.87 | 482.4 | 1161. |
| #2 | 479.8 | 49.66 | 481.1 | 1165. |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829265MS Acquired: 5/20/2010 16:00:48 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 413.50 | 3729.0 | 3851.7 | 4785.5 |
| Stddev | .39 | 7.7 | 7.0 | 16.5 |
| %RSD | .09440 | .20522 | .18156 | .34551 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 413.77 | 3734.4 | 3856.6 | 4773.8 |
| #2 | 413.22 | 3723.6 | 3846.7 | 4797.2 |

Sample Name: 829265DP Acquired: 5/20/2010 16:04:44 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -8388 | 284.2 | 1.865 | 188.0 | 21.86 |
| Stddev | .5199 | 42.9 | 1.409 | .0 | 4.39 |
| %RSD | 61.99 | 15.08 | 75.53 | .0090 | 20.09 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -1.206 | 253.9 | 2.861 | 188.1 | 24.96 |
| #2 | -4.711 | 314.5 | .8689 | 188.0 | 18.75 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.071 | 25970. | 1.516 | -2393 | 2.187 |
| Stddev | .0663 | 246. | .187 | .2818 | .047 |
| %RSD | 61.89 | .9467 | 12.34 | 117.7 | 2.161 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -.1540 | 26140. | 1.648 | -.4386 | 2.153 |
| #2 | -.0603 | 25790. | 1.383 | -.0401 | 2.220 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829265DP Acquired: 5/20/2010 16:04:44 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 85.04 | 458.7 | 62550. | 6775. | 497.0 |
| Stddev | .04 | 5.2 | 350. | 63. | .9 |
| %RSD | .0513 | 1.130 | .5593 | .9279 | .1870 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 85.07 | 455.0 | 62800. | 6820. | 496.3 |
| #2 | 85.01 | 462.3 | 62310. | 6731. | 497.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 61.33 | 1386. | 1.132 | 7367. | -.9737 |
| Stddev | .22 | 24. | .397 | 11. | .0284 |
| %RSD | .3517 | 1.754 | 35.07 | .1506 | 2.920 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | 61.48 | 1403. | 1.412 | 7375. | -.9939 |
| #2 | 61.18 | 1369. | .8511 | 7359. | -.9536 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829265DP Acquired: 5/20/2010 16:04:44 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.934 | 7.212 | 670.5 | 11.01 | 197.6 |
| Stddev | .390 | .372 | 1.6 | .62 | 2.5 |
| %RSD | 13.28 | 5.160 | .2383 | 5.626 | 1.285 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.659 | 7.475 | 669.4 | 10.57 | 199.4 |
| #2 | 3.210 | 6.949 | 671.6 | 11.45 | 195.8 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 8.768 | -5.044 | 1.464 | 725.7 |
| Stddev | .305 | 1.354 | .490 | .5 |
| %RSD | 3.480 | 26.85 | 33.47 | .0751 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 8.983 | -4.086 | 1.118 | 725.3 |
| #2 | 8.552 | -6.001 | 1.811 | 726.1 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829265DP Acquired: 5/20/2010 16:04:44 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 408.29 | 3737.9 | 3835.7 | 4750.7 |
| Stddev | .99 | 26.8 | 15.6 | 26.8 |
| %RSD | .24223 | .71588 | .40607 | .56480 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 408.99 | 3756.8 | 3846.7 | 4731.7 |
| #2 | 407.59 | 3718.9 | 3824.6 | 4769.6 |

Sample Name: 829266 Acquired: 5/20/2010 16:08:38 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1541 | 624.6 | .7972 | 116.2 | 118.9 |
| Stddev | .2757 | 2.4 | 4.199 | .7 | 1.4 |
| %RSD | 178.9 | .3916 | 526.7 | .6126 | 1.216 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | .3491 | 626.3 | -2.172 | 116.7 | 120.0 |
| #2 | -.0408 | 622.9 | 3.766 | 115.7 | 117.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1203 | 82140. | .3131 | -.0176 | 1.457 |
| Stddev | .0105 | 151. | .1475 | .0432 | .249 |
| %RSD | 8.754 | .1842 | 47.12 | 245.0 | 17.12 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -.1128 | 82250. | .4174 | .0129 | 1.281 |
| #2 | -.1277 | 82040. | .2088 | -.0482 | 1.633 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829266 Acquired: 5/20/2010 16:08:38 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 22.57 | 795.8 | 59300. | 15490. | 114.0 |
| Stddev | .18 | 4.0 | 327. | 51. | .3 |
| %RSD | .7852 | .5027 | .5514 | .3260 | .2786 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 22.69 | 798.6 | 59530. | 15460. | 113.8 |
| #2 | 22.44 | 793.0 | 59070. | 15530. | 114.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 296.8 | 295.6 | 3.429 | 6409. | 2.784 |
| Stddev | .6 | 17.2 | .652 | 6. | .563 |
| %RSD | .1875 | 5.811 | 19.02 | .0946 | 20.21 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 297.2 | 283.4 | 3.890 | 6405. | 3.182 |
| #2 | 296.4 | 307.7 | 2.968 | 6414. | 2.387 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829266 Acquired: 5/20/2010 16:08:38 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1838 | 3.007 | 1124. | 11.08 | 1108. |
| Stddev | 1.333 | .186 | 3. | .29 | 7. |
| %RSD | 725.4 | 6.168 | .2641 | 2.576 | .5908 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.7588 | 2.876 | 1127. | 11.28 | 1103. |
| #2 | 1.126 | 3.138 | 1122. | 10.88 | 1113. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 16.32 | -2.650 | 5.746 | 84.75 |
| Stddev | .08 | .066 | .856 | .08 |
| %RSD | .5137 | 2.474 | 14.90 | .0937 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 16.38 | -2.696 | 6.351 | 84.70 |
| #2 | 16.26 | -2.604 | 5.140 | 84.81 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829266 Acquired: 5/20/2010 16:08:38 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 395.13 | 3660.6 | 3775.7 | 4694.8 |
| Stddev | .40 | 9.2 | 8.6 | 16.5 |
| %RSD | .10065 | .25184 | .22645 | .35182 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 395.41 | 3667.1 | 3769.7 | 4683.2 |
| #2 | 394.85 | 3654.1 | 3781.8 | 4706.5 |

Sample Name: 829267 Acquired: 5/20/2010 16:12:36 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6679 | 2044. | 1.424 | 40.04 | 94.23 |
| Stddev | .0415 | 31. | 1.211 | .19 | 1.18 |
| %RSD | 6.211 | 1.508 | 85.03 | .4690 | 1.254 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -6385 | 2023. | 2.281 | 39.90 | 95.07 |
| #2 | -6972 | 2066. | .5680 | 40.17 | 93.40 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2009 | 18780. | .3168 | .4284 | 3.679 |
| Stddev | .0037 | 163. | .0657 | .2932 | .095 |
| %RSD | 1.840 | .8660 | 20.74 | 68.44 | 2.578 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .2035 | 18900. | .2703 | .6357 | 3.746 |
| #2 | .1982 | 18670. | .3632 | .2211 | 3.612 |

Check ? Value Range

Sample Name: 829267 Acquired: 5/20/2010 16:12:36 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 25.23 | 1934. | 32270. | 10230. | 55.84 |
| Stddev | .30 | 3. | 80. | 24. | .01 |
| %RSD | 1.207 | .1356 | .2469 | .2322 | .0230 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 25.01 | 1935. | 32320. | 10250. | 55.85 |
| #2 | 25.44 | 1932. | 32210. | 10210. | 55.83 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 381.4 | 4899. | 4.866 | 3145. | 2.953 |
| Stddev | .9 | 26. | .175 | 4. | .105 |
| %RSD | .2252 | .5327 | 3.592 | .1135 | 3.544 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 382.0 | 4881. | 4.742 | 3147. | 2.879 |
| #2 | 380.8 | 4917. | 4.990 | 3142. | 3.027 |

Check ? Value Range

Sample Name: 829267 Acquired: 5/20/2010 16:12:36 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.199 | 2.388 | 1444. | 5.823 | 300.7 |
| Stddev | 2.016 | .460 | 1. | .261 | 2.7 |
| %RSD | 168.2 | 19.26 | .0835 | 4.478 | .9114 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | 2.624 | 2.063 | 1445. | 6.007 | 298.7 |
| #2 | -.2266 | 2.713 | 1443. | 5.639 | 302.6 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 52.65 | -3.529 | 18.92 | 71.98 |
| Stddev | .07 | 1.679 | .44 | .01 |
| %RSD | .1371 | 47.59 | 2.337 | .0125 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 52.70 | -4.717 | 19.24 | 71.97 |
| #2 | 52.60 | -2.342 | 18.61 | 71.98 |

Check ? Value Range

Sample Name: 829267 Acquired: 5/20/2010 16:12:36 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 409.01 | 3721.3 | 3827.7 | 4702.9 |
| Stddev | 1.14 | 10.6 | 3.1 | 21.9 |
| %RSD | .27879 | .28568 | .08220 | .46497 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.82 | 3713.8 | 3825.5 | 4718.4 |
| #2 | 408.20 | 3728.8 | 3829.9 | 4687.5 |

Sample Name: 829268 Acquired: 5/20/2010 16:16:31 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1828 | 384.2 | .5311 | 169.1 | 61.82 |
| Stddev | .4721 | 12.1 | .9961 | .1 | 3.59 |
| %RSD | 258.3 | 3.152 | 187.5 | .0823 | 5.801 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -5166 | 375.7 | -1732 | 169.0 | 59.28 |
| #2 | .1510 | 392.8 | 1.235 | 169.2 | 64.35 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.354 | 22730. | 1.661 | -.3734 | 1.320 |
| Stddev | .0263 | .48 | .144 | 2.107 | .150 |
| %RSD | 74.32 | .2094 | 8.693 | 56.44 | 11.37 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -0.168 | 22760. | 1.763 | -.2243 | 1.214 |
| #2 | -.0540 | 22690. | 1.559 | -.5224 | 1.426 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829268 Acquired: 5/20/2010 16:16:31 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 37.77 | 471.0 | 41000. | 5929. | 310.6 |
| Stddev | .62 | 5.1 | 175. | 76. | .1 |
| %RSD | 1.645 | 1.087 | .4258 | 1.277 | .0316 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 38.21 | 474.6 | 40870. | 5982. | 310.7 |
| #2 | 37.33 | 467.3 | 41120. | 5875. | 310.5 |

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 122.2 | 439.8 | 2.128 | 7444. | .6969 |
| Stddev | .1 | 53.2 | .752 | 21. | .1729 |
| %RSD | .0535 | 12.11 | 35.34 | .2851 | 24.81 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 122.2 | 477.4 | 1.596 | 7429. | .5747 |
| #2 | 122.3 | 402.1 | 2.660 | 7459. | .8192 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829268 Acquired: 5/20/2010 16:16:31 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.349 | 2.626 | 1012. | 11.34 | 323.6 |
| Stddev | 1.539 | 2.395 | 11. | .06 | 4.8 |
| %RSD | 114.1 | 91.20 | 1.068 | .5084 | 1.479 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .2604 | 4.319 | 1020. | 11.30 | 320.2 |
| #2 | 2.437 | .9325 | 1005. | 11.38 | 327.0 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 11.86 | -7.858 | 2.260 | 400.9 |
| Stddev | .34 | 1.784 | 1.088 | .8 |
| %RSD | 2.877 | 22.71 | 48.15 | .2079 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 12.10 | -6.596 | 1.491 | 400.3 |
| #2 | 11.62 | -9.120 | 3.030 | 401.5 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829268 Acquired: 5/20/2010 16:16:31 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 413.78 | 3705.5 | 3823.3 | 4746.9 |
| Stddev | 1.82 | 16.3 | 7.1 | 22.6 |
| %RSD | .44033 | .43899 | .18585 | .47646 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 415.07 | 3717.0 | 3828.3 | 4762.9 |
| #2 | 412.49 | 3694.0 | 3818.3 | 4730.9 |

Sample Name: CCV Acquired: 5/20/2010 16:20:28 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.28 | 30090. | 100.3 | 720.9 | 203.1 |
| Stddev | 1.89 | 191. | 3.5 | 6.1 | 3.0 |
| %RSD | 1.966 | .6354 | 3.488 | .8398 | 1.501 |
| #1 | 97.62 | 30230. | 102.8 | 716.7 | 205.3 |
| #2 | 94.94 | 29960. | 97.82 | 725.2 | 201.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.7 | 29660. | 97.94 | 191.3 | 194.9 |
| Stddev | .7 | 336. | .23 | 5 | 1.1 |
| %RSD | .7196 | 1.132 | .2323 | .2649 | .5772 |
| #1 | 101.3 | 29890. | 97.77 | 191.7 | 194.1 |
| #2 | 100.2 | 29420. | 98.10 | 191.0 | 195.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 16:20:28 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 188.4 | 29660. | 29940. | 30110. | 190.6 |
| Stddev | 1.2 | 1. | 270. | 184. | .4 |
| %RSD | .6182 | .0036 | .9021 | .6118 | .2193 |
| #1 | 189.3 | 29670. | 30140. | 30240. | 190.8 |
| #2 | 187.6 | 29660. | 29750. | 29980. | 190.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 201.1 | 30130. | 188.1 | 203.9 | 400.3 |
| Stddev | .4 | 199. | .4 | .6 | 1.7 |
| %RSD | .1937 | .6591 | .1904 | .2911 | .4223 |
| #1 | 200.8 | 30270. | 187.9 | 203.5 | 399.1 |
| #2 | 201.4 | 29990. | 188.4 | 204.3 | 401.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 16:20:28 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 294.2 | 97.73 | 1002. | 195.1 | 304.1 |
| Stddev | .0 | 3.77 | 5. | 2.1 | 3.3 |
| %RSD | .0039 | 3.855 | .4637 | 1.098 | 1.073 |
| #1 | 294.2 | 100.4 | 1005. | 193.6 | 306.4 |
| #2 | 294.2 | 95.07 | 998.8 | 196.6 | 301.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 396.9 | 102.2 | 199.1 | 198.6 |
| Stddev | .9 | .2 | 1.3 | .6 |
| %RSD | .2208 | .1988 | .6673 | .2774 |
| #1 | 397.5 | 102.0 | 198.2 | 198.2 |
| #2 | 396.3 | 102.3 | 200.0 | 198.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 16:20:28 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 388.58 | 3618.4 | 3739.0 | 4584.5 |
| Stddev | .52 | 5.5 | 5.4 | 31.4 |
| %RSD | .13320 | .15184 | .14457 | .68579 |
| #1 | 388.22 | 3622.3 | 3735.2 | 4562.2 |
| #2 | 388.95 | 3614.5 | 3742.8 | 4606.7 |

Sample Name: CCB Acquired: 5/20/2010 16:24:20 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6841 | 6.995 | -2.465 | 2.653 | .2602 |
| Stddev | .9285 | 11.42 | .752 | .470 | 4.725 |
| %RSD | 135.7 | 163.3 | 30.52 | 17.70 | 1816. |

| | | | | | |
|----|-------|--------|--------|-------|--------|
| #1 | 1.341 | -1.080 | -1.933 | 2.321 | -3.081 |
| #2 | 0.276 | 15.07 | -2.997 | 2.985 | 3.601 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1777 | -19.03 | -.0691 | -.4581 | .1963 |
| Stddev | .0040 | 53.62 | .2829 | .3539 | .0803 |
| %RSD | 2.263 | 281.7 | 409.4 | 77.24 | 40.89 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -.1805 | -56.95 | -.2692 | -.2079 | .2531 |
| #2 | -.1748 | 18.88 | .1310 | -.7084 | .1396 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/20/2010 16:24:20 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.074 | 15.42 | 23.79 | 48.69 | -.0053 |
| Stddev | .464 | .81 | 40.63 | 1.94 | .0604 |
| %RSD | 43.19 | 5.284 | 170.8 | 3.989 | 1141. |

| | | | | | |
|----|-------|-------|--------|-------|--------|
| #1 | .7458 | 14.84 | 52.51 | 47.31 | -.0480 |
| #2 | 1.402 | 16.00 | -4.940 | 50.06 | .0374 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7274 | 17.43 | -.0612 | 1.350 | -.4163 |
| Stddev | .2685 | 8.79 | .3499 | .397 | 1.545 |
| %RSD | 36.91 | 50.44 | 571.5 | 29.38 | 371.1 |

| | | | | | |
|----|-------|-------|--------|-------|--------|
| #1 | .5375 | 23.64 | -.3087 | 1.630 | -1.509 |
| #2 | .9172 | 11.21 | .1862 | 1.069 | .6763 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/20/2010 16:24:20 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.517 | -1.936 | -1.447 | -2960 | .1063 |
| Stddev | .591 | .400 | .188 | .7828 | .0089 |
| %RSD | 38.94 | 20.66 | 13.01 | 264.5 | 8.333 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 1.935 | -2.219 | -1.314 | -.8495 | .1000 |
| #2 | 1.099 | -1.653 | -1.580 | .2575 | .1125 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.2532 | .6158 | .1178 | -.0902 |
| Stddev | .7424 | .3262 | .3427 | .0909 |
| %RSD | 293.2 | 52.97 | 290.9 | 100.7 |

| | | | | |
|----|--------|-------|--------|--------|
| #1 | .2717 | .8465 | -.1245 | -.1545 |
| #2 | -.7782 | .3851 | .3601 | -.0259 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCB Acquired: 5/20/2010 16:24:20 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 423.79 | 3704.1 | 3824.5 | 4646.8 |
| Stddev | .76 | 15.6 | 7.4 | 25.0 |
| %RSD | .18038 | .42019 | .19330 | .53754 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 423.25 | 3693.1 | 3819.3 | 4629.1 |
| #2 | 424.33 | 3715.1 | 3829.7 | 4664.5 |

Sample Name: 829269 Acquired: 5/20/2010 16:28:16 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0668 | 3051. | 3.052 | 72.40 | 221.0 |
| Stddev | 1.298 | 31. | 1.906 | .32 | 1.2 |
| %RSD | 1942. | 1.028 | 62.45 | .4475 | .5608 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | .9843 | 3073. | 1.704 | 72.63 | 220.1 |
| #2 | -.8507 | 3029. | 4.400 | 72.17 | 221.8 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2016 | 25450. | 1.952 | 2.074 | 5.642 |
| Stddev | .2043 | 93. | .097 | .444 | .514 |
| %RSD | 101.3 | .3641 | 4.942 | 21.41 | 9.118 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .0572 | 25380. | 1.884 | 1.760 | 6.005 |
| #2 | .3461 | 25510. | 2.020 | 2.388 | 5.278 |

Check ? Value Range
 None None None None None

Sample Name: 829269 Acquired: 5/20/2010 16:28:16 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 83.46 | 3069. | 75590. | 12220. | 136.3 |
| Stddev | .94 | 2. | 146. | 36. | .3 |
| %RSD | 1.132 | .0751 | .1929 | .2970 | .2475 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 84.13 | 3067. | 75480. | 12240. | 136.0 |
| #2 | 82.79 | 3070. | 75690. | 12190. | 136.5 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 221.6 | 2601. | 3.074 | 2669. | 4.281 |
| Stddev | .5 | 12. | .113 | 8. | .318 |
| %RSD | .2095 | .4651 | 3.683 | .3178 | 7.430 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 221.3 | 2592. | 2.993 | 2663. | 4.056 |
| #2 | 221.9 | 2609. | 3.154 | 2675. | 4.506 |

Check ? Value Range
 None None None None None

Sample Name: 829269 Acquired: 5/20/2010 16:28:16 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9381 | 2.078 | 1843. | 6.750 | 313.5 |
| Stddev | .2152 | .424 | 7. | 1.359 | 1.4 |
| %RSD | 22.94 | 20.40 | .3552 | 20.13 | .4569 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1.090 | 1.779 | 1838. | 5.789 | 314.5 |
| #2 | .7860 | 2.378 | 1847. | 7.711 | 312.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 79.52 | -3.953 | 31.22 | 129.7 |
| Stddev | .37 | .701 | .68 | .3 |
| %RSD | .4607 | 17.73 | 2.191 | .2509 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 79.77 | -4.448 | 30.74 | 129.5 |
| #2 | 79.26 | -3.458 | 31.71 | 130.0 |

Check ? Value Range
 None None None None

Sample Name: 829269 Acquired: 5/20/2010 16:28:16 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 401.76 | 3721.4 | 3823.6 | 4745.5 |
| Stddev | .06 | 13.9 | 12.8 | 6.7 |
| %RSD | .01479 | .37265 | .33488 | .14077 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 401.80 | 3731.2 | 3832.6 | 4740.8 |
| #2 | 401.72 | 3711.6 | 3814.5 | 4750.2 |

Sample Name: 829270 Acquired: 5/20/2010 16:32:09 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|---------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9772 | 423.4 | -1319 | 22.98 | 51.54 |
| Stddev | 1.096 | 23.1 | .7361 | .23 | 4.00 |
| %RSD | 112.1 | 5.462 | 558.0 | .9826 | 7.759 |
| #1 | -1.752 | 439.7 | .3886 | 23.14 | 48.71 |
| #2 | -.2023 | 407.0 | -.6524 | 22.82 | 54.36 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.812 | 16370. | .3345 | -.1424 | 3.163 |
| Stddev | .0766 | 147. | .2696 | .6644 | .228 |
| %RSD | 94.41 | .8953 | 80.60 | 466.5 | 7.206 |
| #1 | -.0270 | 16470. | .1439 | -.6122 | 3.002 |
| #2 | -.1354 | 16260. | .5251 | .3274 | 3.324 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829270 Acquired: 5/20/2010 16:32:09 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|---------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 24.14 | 645.6 | 77130. | 4011. | 360.9 |
| Stddev | .56 | 3.1 | 169. | 38. | .3 |
| %RSD | 2.309 | .4739 | .2184 | .9583 | .0950 |
| #1 | 24.54 | 647.7 | 77250. | 4038. | 361.2 |
| #2 | 23.75 | 643.4 | 77010. | 3983. | 360.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 206.7 | 77.60 | 4.888 | 7820. | 2.465 |
| Stddev | .2 | 30.30 | 1.343 | 8. | 2.635 |
| %RSD | .0745 | 39.05 | 27.47 | .1079 | 106.9 |
| #1 | 206.8 | 99.03 | 5.838 | 7826. | .6021 |
| #2 | 206.6 | 56.18 | 3.939 | 7814. | 4.328 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829270 Acquired: 5/20/2010 16:32:09 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|---------|----------------|---------------|----------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7999 | 1.895 | 4794. | 9.261 | 169.4 |
| Stddev | 1.525 | .948 | 4. | .534 | .8 |
| %RSD | 190.7 | 50.02 | .0767 | 5.763 | .4898 |
| #1 | -.2786 | 1.224 | 4791. | 9.639 | 168.8 |
| #2 | 1.878 | 2.565 | 4796. | 8.884 | 170.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 12.47 | -5.000 | 4.925 | 159.6 | |
| Stddev | .26 | .836 | .506 | .1 | |
| %RSD | 2.119 | 16.72 | 10.27 | .0500 | |
| #1 | 12.28 | -4.409 | 4.567 | 159.6 | |
| #2 | 12.65 | -5.591 | 5.283 | 159.5 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829270 Acquired: 5/20/2010 16:32:09 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 403.34 | 3696.3 | 3798.9 | 4686.9 |
| Stddev | 1.25 | 15.0 | 15.6 | .3 |
| %RSD | .30914 | .40698 | .41066 | .00732 |
| #1 | 402.46 | 3685.7 | 3787.9 | 4687.2 |
| #2 | 404.22 | 3707.0 | 3810.0 | 4686.7 |

Sample Name: 829271 Acquired: 5/20/2010 16:36:04 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.773 | 9236. | 5.568 | 17.53 | 247.8 |
| Stddev | 6421 | 19. | 1.440 | .26 | 4.0 |
| %RSD | 111.2 | .2096 | 25.87 | 1.490 | 1.605 |

#1 -1.232 9249. 4.550 17.72 250.7
 #2 -1.031 9222. 6.587 17.35 245.0

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8301 | 44320. | .7732 | 6.725 | 12.41 |
| Stddev | .0185 | 136. | .1891 | .284 | .25 |
| %RSD | 2.226 | .3074 | 24.45 | 4.222 | 2.026 |

#1 .8431 44420. .9069 6.525 12.59
 #2 .8170 44230. .6395 6.926 12.23

Check ? Value Range
 None None None None None

Sample Name: 829271 Acquired: 5/20/2010 16:36:04 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 70.74 | 9470. | 12560. | 5527. | 301.9 |
| Stddev | .50 | 34. | 42. | 47. | .3 |
| %RSD | .7138 | .3634 | .3338 | .8501 | .0875 |

#1 70.38 9494. 12590. 5561. 302.1
 #2 71.09 9445. 12530. 5494. 301.7

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 113.8 | 254.0 | 11.16 | 2950. | 13.64 |
| Stddev | .1 | 29.5 | .53 | 7. | .02 |
| %RSD | .0790 | 11.63 | 4.787 | .2469 | .1743 |

#1 113.9 233.1 10.78 2955. 13.66
 #2 113.8 274.9 11.54 2944. 13.63

Check ? Value Range
 None None None None None

Sample Name: 829271 Acquired: 5/20/2010 16:36:04 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.840 | 4.259 | 2015. | 8.142 | 240.6 |
| Stddev | 3.201 | 1.533 | 6. | .691 | .5 |
| %RSD | 174.0 | 35.99 | .2917 | 8.482 | .1935 |

#1 -4.235 5.344 2011. 7.654 240.2
 #2 4.104 3.175 2019. 8.631 240.9

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 226.8 | -3.807 | 53.71 | 148.4 |
| Stddev | .5 | 1.067 | .07 | .1 |
| %RSD | .2191 | 28.02 | .1218 | .0677 |

#1 226.5 -3.052 53.76 148.5
 #2 227.2 -4.561 53.67 148.3

Check ? Value Range
 None None None None

Sample Name: 829271 Acquired: 5/20/2010 16:36:04 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 412.51 | 3718.1 | 3854.0 | 4745.7 |
| Stddev | .81 | 16.6 | 2.9 | 8.3 |
| %RSD | .19689 | .44622 | .07484 | .17582 |

#1 413.08 3706.4 3851.9 4739.8
 #2 411.93 3729.8 3856.0 4751.6

Sample Name: 829272 Acquired: 5/20/2010 16:39:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3724 | 844.2 | -8032 | 100.5 | 97.76 |
| Stddev | .3704 | 13.0 | .7592 | .8 | 4.48 |
| %RSD | 99.47 | 1.540 | 94.53 | .7648 | 4.582 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -6343 | 835.0 | -2663 | 101.1 | 100.9 |
| #2 | -.1105 | 853.4 | -1.340 | 100.0 | 94.60 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0327 | 100300. | .0185 | .3110 | 2.014 |
| Stddev | .2250 | 157. | .0786 | .2363 | .065 |
| %RSD | 688.6 | .1563 | 425.9 | 75.96 | 3.224 |

| | | | | | |
|----|--------|---------|--------|-------|-------|
| #1 | .1264 | 100400. | -.0371 | .4781 | 2.060 |
| #2 | -.1918 | 100200. | .0741 | .1440 | 1.969 |

Check ? Value Range
 None None None None None

Sample Name: 829272 Acquired: 5/20/2010 16:39:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.85 | 1173. | 60140. | 10470. | 117.9 |
| Stddev | .06 | 21. | 235. | 105. | .8 |
| %RSD | .2704 | 1.791 | .3909 | 1.003 | .6934 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 23.90 | 1188. | 60300. | 10540. | 118.5 |
| #2 | 23.81 | 1159. | 59970. | 10390. | 117.3 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 164.4 | 110.5 | 2.869 | 5844. | 1.768 |
| Stddev | .5 | 17.4 | .192 | 18. | 1.938 |
| %RSD | .2981 | 15.78 | 6.689 | .3039 | 109.7 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 164.0 | 122.8 | 3.005 | 5831. | 3.138 |
| #2 | 164.7 | 98.17 | 2.733 | 5856. | .3969 |

Check ? Value Range
 None None None None None

Sample Name: 829272 Acquired: 5/20/2010 16:39:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3712 | 3.679 | 1328. | 10.76 | 961.1 |
| Stddev | 2.124 | .227 | 11. | .02 | 11.3 |
| %RSD | 572.2 | 6.183 | .8426 | .2195 | 1.172 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -1.131 | 3.839 | 1336. | 10.78 | 969.0 |
| #2 | 1.873 | 3.518 | 1320. | 10.74 | 953.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.46 | -3.551 | 4.951 | 96.81 |
| Stddev | .20 | .258 | .828 | .13 |
| %RSD | .9954 | 7.273 | 16.72 | .1369 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 20.31 | -3.368 | 5.536 | 96.90 |
| #2 | 20.60 | -3.733 | 4.366 | 96.71 |

Check ? Value Range
 None None None None

Sample Name: 829272 Acquired: 5/20/2010 16:39:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 398.09 | 3656.9 | 3796.9 | 4712.7 |
| Stddev | 2.03 | 27.8 | 2.4 | 17.3 |
| %RSD | .51017 | .76109 | .06421 | .36769 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 399.53 | 3637.2 | 3798.7 | 4700.4 |
| #2 | 396.66 | 3676.5 | 3795.2 | 4724.9 |

Sample Name: 829273 Acquired: 5/20/2010 16:43:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1043 | 1466 | 1.641 | 38.65 | 73.10 |
| Stddev | .0515 | 1. | 2.100 | .18 | 7.08 |
| %RSD | 49.39 | .0930 | 127.9 | .4647 | 9.681 |

| | | | | | |
|----|------|------|-------|-------|-------|
| #1 | 1407 | 1467 | 1564 | 38.77 | 78.10 |
| #2 | 0679 | 1465 | 3.126 | 38.52 | 68.10 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0584 | 17420. | .5378 | 1.254 | 2.931 |
| Stddev | .2895 | 28. | .2691 | .265 | .201 |
| %RSD | 496.0 | .1596 | 50.04 | 21.14 | 6.865 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 1464 | 17400. | .7281 | 1.442 | 2.789 |
| #2 | .2631 | 17440. | .3475 | 1.067 | 3.074 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829273 Acquired: 5/20/2010 16:43:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 25.93 | 1630. | 35840. | 9314. | 62.06 |
| Stddev | .23 | 3. | 3. | 28. | .03 |
| %RSD | .8820 | .2134 | .0082 | .2989 | .0546 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 26.09 | 1632. | 35840. | 9294. | 62.08 |
| #2 | 25.76 | 1627. | 35840. | 9334. | 62.03 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 309.7 | 1103. | 4.823 | 1319. | 4.078 |
| Stddev | .2 | 8. | .098 | 3. | 2.418 |
| %RSD | .0684 | .7404 | 2.024 | .2410 | 59.31 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 309.5 | 1109. | 4.754 | 1321. | 5.788 |
| #2 | 309.8 | 1097. | 4.892 | 1317. | 2.368 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829273 Acquired: 5/20/2010 16:43:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4048 | 1.922 | 1431. | 6.562 | 253.9 |
| Stddev | .2158 | .129 | 4. | 1.329 | .3 |
| %RSD | 53.31 | 6.708 | .2938 | 20.25 | .1065 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 5574 | 2.013 | 1434. | 5.622 | 253.8 |
| #2 | .2522 | 1.831 | 1429. | 7.501 | 254.1 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 38.01 | -3.505 | 23.31 | 75.67 |
| Stddev | .77 | .755 | .26 | .09 |
| %RSD | 2.029 | 21.55 | 1.125 | .1233 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 37.47 | -4.039 | 23.49 | 75.60 |
| #2 | 38.56 | -2.971 | 23.12 | 75.74 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829273 Acquired: 5/20/2010 16:43:57 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 413.56 | 3720.0 | 3855.7 | 4750.1 |
| Stddev | 1.32 | 3.7 | 3.0 | 16.1 |
| %RSD | .31978 | .09977 | .07722 | .33856 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 412.62 | 3717.4 | 3853.6 | 4761.4 |
| #2 | 414.49 | 3722.7 | 3857.8 | 4738.7 |

Sample Name: 829274 Acquired: 5/20/2010 16:47:53 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1548 | 228.2 | 1.358 | 21.38 | 40.17 |
| Stddev | .1016 | 34.0 | 1.384 | .28 | 4.17 |
| %RSD | 65.66 | 14.89 | 101.9 | 1.298 | 10.38 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -2266 | 252.2 | 3792 | 21.18 | 37.22 |
| #2 | -0829 | 204.1 | 2.336 | 21.58 | 43.12 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0775 | 14160. | .9799 | -3.117 | 14.93 |
| Stddev | .0718 | 16. | .2217 | .8641 | .03 |
| %RSD | 92.69 | .1139 | 22.63 | 277.2 | .2043 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .1283 | 14150. | .8231 | -.9227 | 14.96 |
| #2 | .0267 | 14170. | 1.137 | .2993 | 14.91 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829274 Acquired: 5/20/2010 16:47:53 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 39.58 | 641.0 | 62570. | 4314. | 90.52 |
| Stddev | .36 | 19.2 | 274. | 72. | .23 |
| %RSD | .9030 | 2.997 | .4382 | 1.665 | .2590 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 39.33 | 627.4 | 62770. | 4364. | 90.35 |
| #2 | 39.83 | 654.6 | 62380. | 4263. | 90.68 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 207.1 | 52.48 | 4.291 | 8010. | 2.104 |
| Stddev | .1 | 25.74 | .090 | 13. | 1.721 |
| %RSD | .0343 | 49.05 | 2.108 | .1566 | 81.80 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 207.1 | 70.68 | 4.227 | 8018. | .8869 |
| #2 | 207.0 | 34.28 | 4.355 | 8001. | 3.321 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829274 Acquired: 5/20/2010 16:47:53 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8580 | 3.212 | 2355. | 9.319 | 124.2 |
| Stddev | .6406 | .442 | 7. | .224 | .6 |
| %RSD | 74.66 | 13.75 | .3056 | 2.401 | .4944 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -1.311 | 2.899 | 2350. | 9.478 | 124.7 |
| #2 | -4051 | 3.524 | 2360. | 9.161 | 123.8 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7.539 | -4.313 | 3.351 | 195.6 |
| Stddev | .127 | 1.197 | .526 | .0 |
| %RSD | 1.679 | 27.76 | 15.71 | .0087 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 7.449 | -3.466 | 2.978 | 195.6 |
| #2 | 7.628 | -5.159 | 3.723 | 195.7 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829274 Acquired: 5/20/2010 16:47:53 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 408.86 | 3708.9 | 3827.8 | 4748.4 |
| Stddev | 1.81 | 3.5 | 14.5 | 35.2 |
| %RSD | .44346 | .09421 | .37871 | .74027 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 407.58 | 3706.4 | 3817.5 | 4723.5 |
| #2 | 410.15 | 3711.4 | 3838.0 | 4773.2 |

Sample Name: 829275 Acquired: 5/20/2010 16:51:49 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 396.152 { 85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.9728 | 6484. | 5.336 | 14.74 | 142.2 |
| Stddev | .0252 | 77. | 3.882 | .08 | 1.8 |
| %RSD | 2.593 | 1.186 | 72.74 | .5322 | 1.244 |

| | | | | | |
|---------|--------|-------|-------|-------|-------|
| #1 | -.9550 | 6430. | 8.081 | 14.80 | 140.9 |
| #2 | -.9907 | 6539. | 2.591 | 14.69 | 143.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6251 | 36480. | 1.261 | 7.020 | 14.56 |
| Stddev | .2360 | 56. | .063 | .183 | .04 |
| %RSD | 37.75 | .1542 | 4.993 | 2.610 | .2854 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | .7920 | 36440. | 1.306 | 7.150 | 14.53 |
| #2 | .4582 | 36520. | 1.217 | 6.891 | 14.59 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829275 Acquired: 5/20/2010 16:51:49 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 125.7 | 10100. | 10860. | 5073. | 516.1 |
| Stddev | .8 | 3. | 82. | 6. | .3 |
| %RSD | .6450 | .0273 | .7544 | .1205 | .0489 |

| | | | | | |
|---------|-------|--------|--------|-------|-------|
| #1 | 126.3 | 10100. | 10920. | 5069. | 516.3 |
| #2 | 125.2 | 10100. | 10810. | 5078. | 515.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 {467} | 589.592 { 57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 260.0 | 232.7 | 12.02 | 2501. | 37.10 |
| Stddev | .0 | 1.4 | .02 | 6. | .20 |
| %RSD | .0035 | .6089 | .1747 | .2264 | .5414 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 260.0 | 231.7 | 12.01 | 2497. | 36.96 |
| #2 | 260.0 | 233.7 | 12.04 | 2505. | 37.24 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829275 Acquired: 5/20/2010 16:51:49 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 { 83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3182 | 3.599 | 2040. | 9.012 | 179.7 |
| Stddev | .7132 | .128 | 7. | .189 | .3 |
| %RSD | 224.1 | 3.561 | .3467 | 2.092 | .1668 |

| | | | | | |
|---------|--------|-------|-------|-------|-------|
| #1 | .1861 | 3.689 | 2035. | 9.145 | 179.5 |
| #2 | -.8225 | 3.508 | 2045. | 8.878 | 180.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 176.6 | -4.800 | 40.57 | 395.1 |
| Stddev | .2 | .337 | .05 | .4 |
| %RSD | .1250 | 7.010 | .1339 | .0933 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 176.4 | -4.562 | 40.61 | 395.3 |
| #2 | 176.8 | -5.038 | 40.53 | 394.8 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829275 Acquired: 5/20/2010 16:51:49 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 418.83 | 3774.8 | 3893.8 | 4794.6 |
| Stddev | 2.19 | 9.3 | 3.6 | .9 |
| %RSD | .52396 | .24768 | .09324 | .01843 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 420.38 | 3768.2 | 3896.4 | 4794.0 |
| #2 | 417.28 | 3781.4 | 3891.2 | 4795.2 |

Sample Name: 829276 Acquired: 5/20/2010 16:55:41 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.660 | 515.0 | 1.778 | 55.11 | 133.9 |
| Stddev | .7762 | 9.0 | .947 | .71 | 9.3 |
| %RSD | 467.6 | 1.757 | 53.24 | 1.286 | 6.956 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | .3828 | 521.4 | 2.448 | 55.62 | 127.3 |
| #2 | -.7148 | 508.7 | 1.109 | 54.61 | 140.5 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0233 | 92190. | .1219 | .0674 | .9898 |
| Stddev | .0609 | 287. | .1064 | .0708 | .2025 |
| %RSD | 261.5 | .3108 | 87.24 | 104.8 | 20.46 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.0198 | 92390. | .1972 | .1174 | 1.133 |
| #2 | .0663 | 91980. | .0467 | .0175 | .8466 |

Check ? Value Range

Sample Name: 829276 Acquired: 5/20/2010 16:55:41 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.35 | 590.5 | 40780. | 11460. | 114.0 |
| Stddev | .29 | 5.5 | 162. | 54. | .2 |
| %RSD | 1.678 | .9380 | .3964 | .4726 | .2115 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 17.56 | 594.4 | 40670. | 11420. | 114.2 |
| #2 | 17.15 | 586.5 | 40900. | 11500. | 113.9 |

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 173.6 | 56.99 | 3.772 | 4036. | 1.723 |
| Stddev | 1.2 | 20.47 | .914 | 17. | 3.936 |
| %RSD | .6903 | 35.91 | 24.22 | .4167 | 228.5 |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | 172.8 | 71.46 | 4.418 | 4025. | -1.060 |
| #2 | 174.5 | 42.52 | 3.126 | 4048. | 4.506 |

Check ? Value Range

Sample Name: 829276 Acquired: 5/20/2010 16:55:41 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7750 | 2.152 | 935.8 | 9.695 | 1046. |
| Stddev | .2745 | 2.119 | 4.9 | 1.013 | 4. |
| %RSD | 35.42 | 98.43 | .5187 | 10.45 | .3557 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.9691 | .6544 | 939.2 | 10.41 | 1043. |
| #2 | -.5809 | 3.651 | 932.4 | 8.979 | 1048. |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 13.10 | -1.485 | 3.673 | 49.57 |
| Stddev | .13 | 1.138 | .146 | .02 |
| %RSD | .9979 | 76.60 | 3.963 | .0390 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 13.19 | -.6807 | 3.570 | 49.56 |
| #2 | 13.01 | -2.289 | 3.776 | 49.58 |

Check ? Value Range

Sample Name: 829276 Acquired: 5/20/2010 16:55:41 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 402.14 | 3676.7 | 3793.7 | 4722.6 |
| Stddev | .86 | 19.5 | .3 | 2.1 |
| %RSD | .21314 | .53143 | .00889 | .04537 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 402.75 | 3662.8 | 3794.0 | 4724.2 |
| #2 | 401.53 | 3690.5 | 3793.5 | 4721.1 |

Sample Name: 829277 Acquired: 5/20/2010 16:59:42 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|---------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0950 | 1464 | 1.292 | 46.12 | 86.28 |
| Stddev | .9139 | 3 | .767 | .36 | 3.18 |
| %RSD | 961.9 | .2366 | 59.36 | .7841 | 3.683 |
| #1 | .5512 | 1467 | 1.835 | 45.87 | 84.04 |
| #2 | -.7413 | 1462 | .7498 | 46.38 | 88.53 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|---------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2222 | 21460 | .4801 | 1.347 | 3.762 |
| Stddev | .1506 | .126 | .3706 | .187 | .116 |
| %RSD | 67.77 | .5873 | 77.19 | 13.88 | 3.092 |
| #1 | .1157 | 21550 | .2180 | 1.479 | 3.845 |
| #2 | .3287 | 21370 | .7422 | 1.215 | 3.680 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829277 Acquired: 5/20/2010 16:59:42 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|---------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 19.00 | 1890 | 41630 | 14490 | 80.44 |
| Stddev | .01 | 7 | 212 | 40 | .27 |
| %RSD | .0707 | .3445 | .5080 | .2756 | .3309 |
| #1 | 19.01 | 1894 | 41780 | 14460 | 80.63 |
| #2 | 18.99 | 1885 | 41480 | 14520 | 80.25 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|---------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_-LWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 560.8 | 628.8 | 7.812 | 1719 | 3.035 |
| Stddev | 2.1 | 32.0 | .420 | 1 | .538 |
| %RSD | .3811 | 5.091 | 5.372 | .0852 | 17.74 |
| #1 | 559.3 | 606.2 | 8.109 | 1718 | 3.416 |
| #2 | 562.3 | 651.5 | 7.516 | 1720 | 2.655 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829277 Acquired: 5/20/2010 16:59:42 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|---------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_-LWAX) | (Y_-LWAX) | (Y_HWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.332 | -.2092 | 1025 | 7.158 | 349.0 |
| Stddev | .951 | .5419 | 2 | .706 | .3 |
| %RSD | 40.76 | 259.0 | .2061 | 9.862 | .0803 |
| #1 | 3.004 | .1739 | 1026 | 6.659 | 349.2 |
| #2 | 1.660 | -.5924 | 1023 | 7.657 | 348.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|---------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 43.36 | -3.517 | 20.50 | 40.02 |
| Stddev | .24 | 1.506 | .43 | .06 |
| %RSD | .5609 | 42.83 | 2.076 | .1440 |
| #1 | 43.19 | -2.452 | 20.20 | 40.06 |
| #2 | 43.53 | -4.582 | 20.80 | 39.98 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829277 Acquired: 5/20/2010 16:59:42 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_-LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 408.09 | 3700.7 | 3833.6 | 4747.8 |
| Stddev | .75 | 21.2 | 1.4 | 3.6 |
| %RSD | .18476 | .57268 | .03729 | .07553 |
| #1 | 407.56 | 3685.7 | 3832.6 | 4745.3 |
| #2 | 408.63 | 3715.7 | 3834.6 | 4750.3 |

Sample Name: 829278 Acquired: 5/20/2010 17:03:41 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 396.152 {85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6091 | 290.5 | .5875 | 143.3 | 20.19 |
| Stddev | .5655 | 13.8 | 1.814 | 1.2 | 4.82 |
| %RSD | 92.86 | 4.764 | 308.7 | .8119 | 23.89 |

#1 -1.009 280.7 -6949 142.5 16.78
 #2 -2092 300.2 1.870 144.2 23.60

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1447 | 22690. | 2.058 | -1.790 | 1.370 |
| Stddev | .2639 | 25. | .176 | .0919 | .033 |
| %RSD | 182.4 | .1094 | 8.538 | 51.34 | 2.391 |

#1 .0419 22670. 1.934 -.2439 1.347
 #2 -.3313 22710. 2.182 -.1140 1.393

Check ? Value Range
 None None None None None

Sample Name: 829278 Acquired: 5/20/2010 17:03:41 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 {44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 61.02 | 502.0 | 53960. | 6746. | 246.1 |
| Stddev | .08 | 1.4 | 224. | 91. | .1 |
| %RSD | .1271 | .2796 | .4144 | 1.353 | .0395 |

#1 61.08 503.0 53800. 6681. 246.2
 #2 60.97 501.0 54120. 6811. 246.1

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 {467} | 589.592 {57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 143.1 | 75.01 | .5734 | 6366. | 1.957 |
| Stddev | .7 | .19 | .2066 | 8. | 1.792 |
| %RSD | .4942 | .2487 | 36.04 | .1268 | 91.53 |

#1 142.6 75.14 .7195 6360. .6906
 #2 143.6 74.88 .4272 6371. 3.224

Check ? Value Range
 None None None None None

Sample Name: 829278 Acquired: 5/20/2010 17:03:41 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 {83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4722 | 3.854 | 694.2 | 11.25 | 228.7 |
| Stddev | .0771 | .187 | 4.8 | .45 | .2 |
| %RSD | 16.33 | 4.854 | .6869 | 3.963 | .0972 |

#1 .4177 3.986 697.6 10.94 228.9
 #2 .5267 3.722 690.8 11.57 228.5

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWRD) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9.860 | -4.628 | 3.931 | 419.0 |
| Stddev | .055 | .514 | .294 | 1.0 |
| %RSD | .5588 | 11.11 | 7.472 | .2443 |

#1 9.821 -4.265 4.139 418.3
 #2 9.899 -4.992 3.723 419.7

Check ? Value Range
 None None None None

Sample Name: 829278 Acquired: 5/20/2010 17:03:41 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 {91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 416.90 | 3741.9 | 3878.6 | 4804.1 |
| Stddev | 4.77 | 6.8 | 17.6 | 2.9 |
| %RSD | 1.1431 | .18119 | .45408 | .06104 |

#1 413.53 3746.7 3866.2 4806.2
 #2 420.27 3737.1 3891.1 4802.0

Sample Name: CCV Acquired: 5/20/2010 17:07:35 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.96 | 29940. | 98.33 | 722.8 | 202.0 |
| Stddev | .11 | 70. | .50 | 2.6 | .6 |
| %RSD | .1185 | .2325 | .5099 | .3661 | .2846 |
| #1 | 96.88 | 29890. | 98.68 | 720.9 | 202.4 |
| #2 | 97.04 | 29990. | 97.98 | 724.7 | 201.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.5 | 29590. | 98.06 | 192.3 | 195.1 |
| Stddev | .1 | 97. | .04 | .4 | .3 |
| %RSD | .0654 | .3272 | .0433 | .1828 | .1487 |
| #1 | 100.4 | 29530. | 98.09 | 192.0 | 194.9 |
| #2 | 100.5 | 29660. | 98.03 | 192.5 | 195.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 17:07:35 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 187.8 | 29620. | 30060. | 29880. | 190.3 |
| Stddev | 1.0 | 74. | 96. | 128. | .3 |
| %RSD | .5340 | .2505 | .3180 | .4285 | .1715 |
| #1 | 187.0 | 29670. | 30130. | 29970. | 190.5 |
| #2 | 188.5 | 29560. | 29990. | 29790. | 190.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 202.0 | 29940. | 188.3 | 202.6 | 397.0 |
| Stddev | .5 | 141. | 2.0 | .0 | 2.1 |
| %RSD | .2275 | .4719 | 1.068 | .0200 | .5397 |
| #1 | 201.7 | 30040. | 186.9 | 202.7 | 395.5 |
| #2 | 202.3 | 29840. | 189.8 | 202.6 | 398.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 17:07:35 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 295.8 | 102.0 | 999.1 | 195.0 | 302.9 |
| Stddev | .8 | 5.1 | 6.2 | .8 | 2.6 |
| %RSD | .2551 | 5.035 | .6164 | .3913 | .8597 |
| #1 | 295.2 | 98.36 | 1003. | 195.5 | 304.8 |
| #2 | 296.3 | 105.6 | 994.7 | 194.5 | 301.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 396.8 | 103.2 | 198.0 | 198.5 |
| Stddev | .0 | .4 | .0 | .3 |
| %RSD | .0036 | .4272 | .0038 | .1274 |
| #1 | 396.9 | 103.6 | 198.0 | 198.7 |
| #2 | 396.8 | 102.9 | 198.0 | 198.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/20/2010 17:07:35 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 391.00 | 3650.1 | 3742.1 | 4637.3 |
| Stddev | .25 | 1.2 | 2.6 | 36.8 |
| %RSD | .06416 | .03260 | .06873 | .79416 |
| #1 | 391.18 | 3649.3 | 3743.9 | 4611.3 |
| #2 | 390.82 | 3650.9 | 3740.3 | 4663.4 |

Sample Name: CCB Acquired: 5/20/2010 17:11:26 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3614 | 4.672 | -2.595 | 2.432 | 5.220 |
| Stddev | .0068 | 32.27 | 2.417 | .287 | 3.973 |
| %RSD | 1.890 | 690.7 | 93.14 | 11.79 | 76.10 |

#1 3565 27.49 -4.304 2.229 8.029
 #2 .3662 -18.15 -.8860 2.635 2.411

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3378 | -8.985 | -1.259 | -2.641 | -1.685 |
| Stddev | .0708 | 18.07 | .0572 | .2008 | .1808 |
| %RSD | 20.97 | 201.2 | 45.41 | 76.05 | 107.3 |

#1 .2877 -21.77 -.0855 -.4061 -.0407
 #2 .3879 3.796 -.1663 -.1221 -.2964

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 17:11:26 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.201 | 14.95 | 71.87 | 96.09 | .2096 |
| Stddev | .403 | 2.06 | 181.8 | 8.00 | .0035 |
| %RSD | 33.58 | 13.75 | 252.9 | 8.324 | 1.693 |

#1 1.486 13.50 200.4 101.7 .2121
 #2 .9155 16.41 -56.66 90.43 .2071

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5745 | 17.63 | -1.977 | -9.713 | -1.599 |
| Stddev | .1251 | 6.77 | .8838 | .7698 | .277 |
| %RSD | 21.77 | 38.40 | 447.1 | 79.26 | 17.31 |

#1 .6630 12.84 -.8226 -.4269 -1.795
 #2 .4861 22.42 .4273 -1.516 -1.404

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 17:11:26 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.480 | 1.351 | -1.237 | .4241 | .1190 |
| Stddev | .4333 | 1.440 | .6428 | 1.369 | .0022 |
| %RSD | 57.93 | 106.6 | 519.6 | 322.9 | 1.821 |

#1 -1.054 .3323 -5.782 1.392 .1205
 #2 -.4416 2.369 .3308 -.5443 .1174

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -3.169 | -2.579 | .4348 | .1663 |
| Stddev | .0099 | .772 | .4850 | .1930 |
| %RSD | 3.136 | 29.93 | 111.6 | 116.1 |

#1 -.3239 -3.125 .0918 .3027
 #2 -.3098 -2.033 .7778 .0298

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/20/2010 17:11:26 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 425.22 | 3730.1 | 3828.7 | 4686.5 |
| Stddev | .30 | 13.2 | 2.0 | 11.0 |
| %RSD | .07025 | .35320 | .05122 | .23424 |

#1 425.43 3720.8 3827.4 4694.3
 #2 425.00 3739.4 3830.1 4678.8

Sample Name: 829279 Acquired: 5/20/2010 17:15:23 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1234 | 1539. | 2.485 | 63.23 | 139.2 |
| Stddev | .2706 | 28. | .177 | 1.08 | 1.5 |
| %RSD | 219.4 | 1.797 | 7.139 | 1.712 | 1.107 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -3147 | 1559. | 2.360 | 64.00 | 138.2 |
| #2 | .0680 | 1520. | 2.611 | 62.47 | 140.3 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0486 | 31390. | 2.054 | 1.286 | 4.414 |
| Stddev | .0106 | 53. | .070 | .788 | .045 |
| %RSD | 21.83 | .1700 | 3.400 | 61.26 | 1.017 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.0411 | 31430. | 2.103 | .7289 | 4.446 |
| #2 | -.0561 | 31350. | 2.004 | 1.843 | 4.382 |

Check ? Value Range
 None None None None None

Sample Name: 829279 Acquired: 5/20/2010 17:15:23 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 112.7 | 2214. | 57800. | 9492. | 183.3 |
| Stddev | .2 | 4. | 228. | 17. | .3 |
| %RSD | .1363 | .2014 | .3952 | .1746 | .1788 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 112.6 | 2211. | 57960. | 9480. | 183.5 |
| #2 | 112.8 | 2217. | 57630. | 9504. | 183.0 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 188.8 | 320.9 | 2.864 | 2621. | 2.640 |
| Stddev | .2 | 27.2 | 1.280 | 1. | 1.067 |
| %RSD | .1217 | 8.487 | 44.68 | .0439 | 40.42 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 189.0 | 340.1 | 3.769 | 2622. | 1.885 |
| #2 | 188.7 | 301.6 | 1.959 | 2620. | 3.394 |

Check ? Value Range
 None None None None None

Sample Name: 829279 Acquired: 5/20/2010 17:15:23 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6758 | 2.575 | 1252. | 9.628 | 323.7 |
| Stddev | .4120 | .511 | 2. | .181 | 2.2 |
| %RSD | 60.96 | 19.84 | .1474 | 1.882 | .6659 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.9671 | 2.936 | 1253. | 9.500 | 325.2 |
| #2 | -.3845 | 2.213 | 1251. | 9.756 | 322.2 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 47.01 | -4.234 | 25.01 | 160.8 |
| Stddev | .02 | .937 | .04 | .4 |
| %RSD | .0460 | 22.13 | .1778 | .2266 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 47.03 | -3.571 | 24.98 | 160.6 |
| #2 | 47.00 | -4.897 | 25.04 | 161.1 |

Check ? Value Range
 None None None None

Sample Name: 829279 Acquired: 5/20/2010 17:15:23 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 407.70 | 3739.6 | 3852.4 | 4774.6 |
| Stddev | 2.03 | 15.8 | 8.1 | 43.3 |
| %RSD | .49745 | .42302 | .20976 | .90660 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.13 | 3728.4 | 3858.2 | 4744.0 |
| #2 | 406.26 | 3750.8 | 3846.7 | 4805.2 |

Sample Name: 829280 Acquired: 5/20/2010 17:19:24 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1379 | 150.0 | 2.611 | 16.62 | 51.54 |
| Stddev | .2110 | 7.0 | 1.031 | .78 | 1.96 |
| %RSD | 153.0 | 4.634 | 39.48 | 4.696 | 3.809 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | 2871 | 154.9 | 1.882 | 17.17 | 50.15 |
| #2 | -0.113 | 145.1 | 3.339 | 16.07 | 52.93 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1294 | 14560. | .4705 | -.6086 | 1.893 |
| Stddev | .3296 | 31. | .1413 | .0536 | .357 |
| %RSD | 254.7 | .2096 | 30.03 | 8.810 | 18.83 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | .1037 | 14530. | .5703 | -.5707 | 1.641 |
| #2 | -.3625 | 14580. | .3706 | -.6466 | 2.145 |

Check ? Value Range
 None None None None None

Sample Name: 829280 Acquired: 5/20/2010 17:19:24 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.36 | 251.2 | 73380. | 3624. | 173.3 |
| Stddev | 1.33 | .7 | 426. | 6. | .2 |
| %RSD | 7.632 | .2702 | .5809 | .1669 | .1313 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 16.42 | 250.7 | 73080. | 3619. | 173.5 |
| #2 | 18.30 | 251.7 | 73680. | 3628. | 173.1 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 291.0 | 42.58 | -.1799 | 5921. | 1.175 |
| Stddev | .9 | 1.67 | .1628 | 11. | 2.305 |
| %RSD | .3262 | 3.911 | 90.50 | .1915 | 196.2 |

| | | | | | |
|----|-------|-------|--------|-------|--------|
| #1 | 290.4 | 43.75 | -.2949 | 5929. | -.4548 |
| #2 | 291.7 | 41.40 | -.0648 | 5913. | 2.805 |

Check ? Value Range
 None None None None None

Sample Name: 829280 Acquired: 5/20/2010 17:19:24 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7216 | 1.816 | 3716. | 8.927 | 147.0 |
| Stddev | .4037 | 2.669 | 1. | .350 | 2.6 |
| %RSD | 55.95 | 147.0 | .0217 | 3.926 | 1.765 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -1.007 | 3.703 | 3715. | 8.679 | 145.2 |
| #2 | -.4362 | -.0718 | 3716. | 9.174 | 148.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4.882 | -3.218 | 5.327 | 104.4 |
| Stddev | .547 | 1.213 | .128 | .3 |
| %RSD | 11.21 | 37.70 | 2.395 | .2607 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 4.496 | -4.076 | 5.418 | 104.6 |
| #2 | 5.269 | -2.360 | 5.237 | 104.2 |

Check ? Value Range
 None None None None

Sample Name: 829280 Acquired: 5/20/2010 17:19:24 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 407.20 | 3726.8 | 3829.4 | 4714.9 |
| Stddev | 2.70 | 35.1 | 5.1 | 30.2 |
| %RSD | .66368 | .94206 | .13296 | .63991 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 405.29 | 3702.0 | 3825.8 | 4736.3 |
| #2 | 409.11 | 3751.6 | 3833.0 | 4693.6 |

Sample Name: 829281 Acquired: 5/20/2010 17:23:20 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3511 | 14420. | 8.183 | 15.08 | 212.0 |
| Stddev | .7839 | 7. | .714 | .71 | 1.4 |
| %RSD | 223.3 | .0512 | 8.727 | 4.711 | .6717 |
| #1 | .2032 | 14430. | 7.678 | 14.58 | 211.0 |
| #2 | -.9054 | 14420. | 8.688 | 15.58 | 213.0 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.157 | 48940. | 2.095 | 9.908 | 28.05 |
| Stddev | .091 | 90. | .071 | .109 | .29 |
| %RSD | 7.882 | .1845 | 3.380 | 1.104 | 1.030 |
| #1 | 1.221 | 48880. | 2.145 | 9.831 | 27.84 |
| #2 | 1.092 | 49010. | 2.045 | 9.986 | 28.25 |

Check ? Value Range
 None None None None None

Sample Name: 829281 Acquired: 5/20/2010 17:23:20 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 120.7 | 20570. | 13660. | 8431. | 615.8 |
| Stddev | .3 | 3. | 20. | 165. | .4 |
| %RSD | .2491 | .0166 | .1461 | 1.952 | .0571 |
| #1 | 120.9 | 20560. | 13650. | 8315. | 616.0 |
| #2 | 120.5 | 20570. | 13680. | 8547. | 615.5 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 208.3 | 198.9 | 21.11 | 2808. | 39.55 |
| Stddev | .7 | 5.2 | .00 | .0068 | 2.49 |
| %RSD | .3541 | 2.596 | .0072 | .0068 | 6.298 |
| #1 | 207.8 | 195.3 | 21.11 | 2808. | 41.31 |
| #2 | 208.8 | 202.6 | 21.11 | 2808. | 37.79 |

Check ? Value Range
 None None None None None

Sample Name: 829281 Acquired: 5/20/2010 17:23:20 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7351 | 1.321 | 1990. | 5.872 | 236.8 |
| Stddev | 1.272 | 4.137 | 6. | 1.190 | 3.7 |
| %RSD | 173.0 | 313.3 | .2956 | 20.26 | 1.552 |
| #1 | .1640 | -1.605 | 1994. | 6.714 | 234.2 |
| #2 | -1.634 | 4.246 | 1986. | 5.031 | 239.4 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 444.5 | -2.743 | 57.14 | 242.3 |
| Stddev | 1.1 | .492 | .09 | .6 |
| %RSD | .2565 | 17.93 | .1545 | .2496 |
| #1 | 445.3 | -2.395 | 57.20 | 241.9 |
| #2 | 443.7 | -3.091 | 57.07 | 242.7 |

Check ? Value Range
 None None None None

Sample Name: 829281 Acquired: 5/20/2010 17:23:20 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 411.08 | 3765.7 | 3873.9 | 4791.5 |
| Stddev | 1.60 | 16.7 | 9.2 | 62.1 |
| %RSD | .38849 | .44422 | .23761 | 1.2957 |
| #1 | 409.95 | 3753.9 | 3867.4 | 4835.4 |
| #2 | 412.21 | 3777.5 | 3880.4 | 4747.6 |

Sample Name: 829282 Acquired: 5/20/2010 17:27:13 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1684 | 192.5 | -2410 | 92.41 | 15.82 |
| Stddev | .3278 | .3 | 3.010 | .32 | 2.83 |
| %RSD | 194.6 | .1751 | 1249. | .3479 | 17.88 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | .0634 | 192.3 | 1.887 | 92.18 | 17.82 |
| #2 | -.4002 | 192.8 | -2.369 | 92.64 | 13.82 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0845 | 18950. | 5.429 | -.2758 | .7608 |
| Stddev | .0494 | 59. | .064 | .2715 | .0580 |
| %RSD | 58.39 | .3107 | 1.184 | 98.42 | 7.625 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .0496 | 19000. | 5.474 | -.4678 | .7198 |
| #2 | .1194 | 18910. | 5.383 | -.0839 | .8018 |

Check ? Value Range
 None None None None None

Sample Name: 829282 Acquired: 5/20/2010 17:27:13 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 57.16 | 308.1 | 41950. | 5333. | 196.6 |
| Stddev | .29 | 7.8 | 35. | 13. | .2 |
| %RSD | .5005 | 2.517 | .0834 | .2409 | .1052 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 57.37 | 313.6 | 41920. | 5342. | 196.7 |
| #2 | 56.96 | 302.6 | 41970. | 5323. | 196.4 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 105.1 | 64.67 | 2.034 | 5531. | .0411 |
| Stddev | .2 | 3.73 | .079 | 11. | 1.951 |
| %RSD | .1806 | 5.764 | 3.885 | .2028 | 4753. |

| | | | | | |
|----|-------|-------|-------|-------|--------|
| #1 | 105.0 | 67.30 | 1.978 | 5523. | 1.421 |
| #2 | 105.2 | 62.03 | 2.090 | 5539. | -1.339 |

Check ? Value Range
 None None None None None

Sample Name: 829282 Acquired: 5/20/2010 17:27:13 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.609 | 1.994 | 431.6 | 10.23 | 245.6 |
| Stddev | .1445 | 1.411 | 3.1 | .98 | .3 |
| %RSD | 31.34 | 70.74 | .7250 | 9.533 | .1055 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.5630 | .9965 | 433.8 | 10.92 | 245.8 |
| #2 | -.3587 | 2.991 | 429.3 | 9.540 | 245.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.465 | -5.587 | 1.805 | 482.8 |
| Stddev | .082 | .043 | .200 | 1.1 |
| %RSD | 1.264 | .7618 | 11.09 | .2252 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 6.408 | -5.557 | 1.663 | 482.0 |
| #2 | 6.523 | -5.618 | 1.946 | 483.6 |

Check ? Value Range
 None None None None

Sample Name: 829282 Acquired: 5/20/2010 17:27:13 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.806 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 420.02 | 3774.0 | 3879.0 | 4814.2 |
| Stddev | .35 | 16.9 | 7.4 | 25.7 |
| %RSD | .08236 | .44679 | .19197 | .53346 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 419.77 | 3785.9 | 3873.7 | 4832.4 |
| #2 | 420.26 | 3762.1 | 3884.3 | 4796.0 |

Sample Name: 829283 Acquired: 5/20/2010 17:31:07 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4762 | 949.8 | -.2328 | 58.53 | 96.55 |
| Stddev | .1158 | 30.0 | 1.477 | .08 | 3.29 |
| %RSD | 24.32 | 3.161 | 634.3 | .1448 | 3.406 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | .3943 | 971.0 | -1.277 | 58.59 | 98.87 |
| #2 | .5581 | 928.6 | .8114 | 58.47 | 94.22 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0662 | 22780. | 7.556 | .4177 | 3.799 |
| Stddev | .1438 | 6. | .081 | .1559 | .069 |
| %RSD | 217.3 | .0260 | 1.074 | 37.32 | 1.814 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.0355 | 22790. | 7.498 | .3075 | 3.751 |
| #2 | .1679 | 22780. | 7.613 | .5279 | 3.848 |

Check ? Value Range
 None None None None None

Sample Name: 829283 Acquired: 5/20/2010 17:31:07 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 119.5 | 1432. | 52560. | 8089. | 185.6 |
| Stddev | .1 | 8. | 123. | 78. | .3 |
| %RSD | .0609 | .5424 | .2337 | .9596 | .1376 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 119.5 | 1427. | 52650. | 8034. | 185.8 |
| #2 | 119.6 | 1438. | 52480. | 8144. | 185.4 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 127.0 | 315.0 | 2.403 | 2447. | 5.053 |
| Stddev | .7 | 21.3 | .875 | 1. | 2.007 |
| %RSD | .5538 | 6.752 | 36.43 | .0451 | 39.72 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 126.5 | 330.0 | 3.022 | 2447. | 3.634 |
| #2 | 127.5 | 299.9 | 1.784 | 2448. | 6.473 |

Check ? Value Range
 None None None None None

Sample Name: 829283 Acquired: 5/20/2010 17:31:07 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.430 | .7804 | 993.3 | 9.315 | 315.9 |
| Stddev | 2.882 | 1.735 | 1.6 | .630 | 3.1 |
| %RSD | 201.5 | 222.4 | .1595 | 6.759 | .9735 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | .6075 | -.4468 | 994.4 | 8.870 | 313.7 |
| #2 | -3.468 | 2.008 | 992.2 | 9.761 | 318.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 43.14 | -2.701 | 13.35 | 195.3 |
| Stddev | .27 | 1.191 | .65 | .3 |
| %RSD | .6179 | 44.09 | 4.861 | .1392 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 42.95 | -1.859 | 12.89 | 195.1 |
| #2 | 43.33 | -3.543 | 13.81 | 195.5 |

Check ? Value Range
 None None None None

Sample Name: 829283 Acquired: 5/20/2010 17:31:07 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 410.32 | 3751.1 | 3837.4 | 4749.4 |
| Stddev | 2.23 | 19.8 | 10.0 | 24.9 |
| %RSD | .54451 | .52746 | .26156 | .52409 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 408.74 | 3737.2 | 3830.3 | 4767.0 |
| #2 | 411.90 | 3765.1 | 3844.5 | 4731.8 |

Sample Name: 829284 Acquired: 5/20/2010 17:35:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2248 | 181.5 | 1.013 | 12.32 | 51.59 |
| Stddev | .8352 | 8.7 | 1.791 | .46 | 7.78 |
| %RSD | 371.5 | 4.795 | 176.8 | 3.708 | 15.08 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -8153 | 175.4 | -2534 | 12.00 | 57.09 |
| #2 | .3657 | 187.7 | 2.280 | 12.64 | 46.09 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1378 | 11250. | .2726 | -.0550 | 2.360 |
| Stddev | .1389 | 68. | .2458 | .1134 | .446 |
| %RSD | 100.8 | 6060 | 90.18 | 206.3 | 18.88 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .2360 | 11210. | .0988 | .0252 | 2.676 |
| #2 | .0396 | 11300. | .4464 | -.1352 | 2.045 |

Check ? Value Range
 None None None None None

Sample Name: 829284 Acquired: 5/20/2010 17:35:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.96 | 335.8 | 81760. | 3343. | 176.3 |
| Stddev | .19 | 4.1 | 450. | 43. | .1 |
| %RSD | .9791 | 1.209 | .5503 | 1.291 | .0810 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 18.83 | 332.9 | 81440. | 3313. | 176.4 |
| #2 | 19.09 | 338.6 | 82080. | 3374. | 176.2 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 491.9 | 72.08 | .0723 | 7229. |
| Stddev | .4 | 3.81 | .3193 | 2.684 |
| %RSD | .0870 | 5.287 | 441.9 | .0063 |

| | | | | |
|----|-------|-------|--------|-------|
| #1 | 492.2 | 69.39 | .2980 | 7229. |
| #2 | 491.6 | 74.78 | -.1535 | 7229. |

Check ? Value Range
 None None None None None

Sample Name: 829284 Acquired: 5/20/2010 17:35:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7714 | 5.255 | 4506. | 8.202 | 125.6 |
| Stddev | .2869 | 3.215 | 19. | .555 | 1.8 |
| %RSD | 37.19 | 61.18 | .4228 | 6.766 | 1.470 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .5685 | 7.529 | 4492. | 8.595 | 124.3 |
| #2 | .9742 | 2.982 | 4519. | 7.810 | 126.9 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.750 | -4.540 | 8.059 | 115.6 |
| Stddev | .859 | 1.809 | .070 | .3 |
| %RSD | 14.94 | 39.85 | .8752 | .2679 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 6.357 | -5.819 | 8.009 | 115.8 |
| #2 | 5.142 | -3.261 | 8.109 | 115.4 |

Check ? Value Range
 None None None None

Sample Name: 829284 Acquired: 5/20/2010 17:35:01 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 406.51 | 3733.5 | 3817.8 | 4670.6 |
| Stddev | .18 | 26.3 | 33.0 | 39.6 |
| %RSD | .04432 | .70418 | .86407 | .84687 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 406.38 | 3714.9 | 3794.4 | 4698.5 |
| #2 | 406.64 | 3752.1 | 3841.1 | 4642.6 |

Sample Name: 829285 Acquired: 5/20/2010 17:38:56 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.055 | -3.600 | -2.384 | 2.982 | 1.381 |
| Stddev | .7717 | 10.77 | .280 | .219 | .231 |
| %RSD | 252.6 | 299.2 | 11.74 | 7.356 | 16.73 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | .2402 | 4.015 | -2.186 | 2.827 | 1.217 |
| #2 | -.8512 | -11.22 | -2.582 | 3.137 | 1.544 |

Check ? Value Range

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
|---------|------|------|------|------|------|

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0589 | 84.77 | -.0835 | -.4380 | .1406 |
| Stddev | .0057 | 33.66 | .2898 | .2914 | .2811 |
| %RSD | 9.721 | 39.70 | 347.0 | 66.53 | 199.9 |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | .0548 | 108.6 | -.2885 | -.6441 | .3394 |
| #2 | .0629 | 60.97 | .1214 | -.2320 | -.0582 |

Check ? Value Range

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
|---------|------|------|------|------|------|

Sample Name: 829285 Acquired: 5/20/2010 17:38:56 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.020 | 9.612 | 64.72 | 23.41 | .1633 |
| Stddev | .016 | 6.514 | 51.35 | 23.38 | .0323 |
| %RSD | 1.534 | 67.77 | 79.34 | 99.89 | 19.79 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1.031 | 14.22 | 28.42 | 39.94 | .1404 |
| #2 | 1.009 | 5.005 | 101.0 | 6.875 | .1861 |

Check ? Value Range

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
|---------|------|------|------|------|------|

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5260 | 6.104 | -.0288 | 8.651 | .3969 |
| Stddev | .3068 | 1.710 | .0608 | 1.778 | 1.649 |
| %RSD | 58.33 | 28.01 | 211.0 | 20.55 | 415.4 |

| | | | | | |
|----|-------|-------|--------|-------|--------|
| #1 | .7430 | 4.895 | .0142 | 7.393 | -.7689 |
| #2 | .3091 | 7.313 | -.0718 | 9.908 | 1.563 |

Check ? Value Range

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
|---------|------|------|------|------|------|

Sample Name: 829285 Acquired: 5/20/2010 17:38:56 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.028 | -5.311 | 18.46 | 15.15 | .1001 |
| Stddev | .633 | 5.351 | 5.65 | .07 | .0023 |
| %RSD | 20.90 | 1008. | 30.62 | .4336 | 2.262 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 2.580 | -4.315 | 22.46 | 15.10 | .1017 |
| #2 | 3.475 | 3.253 | 14.46 | 15.19 | .0985 |

Check ? Value Range

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
|---------|------|------|------|------|------|

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWRD) | (In2306) | (Y_HWRD) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.4888 | -2.673 | .7200 | .3408 |
| Stddev | .1488 | 1.338 | .4763 | .1399 |
| %RSD | 30.44 | 50.03 | 66.15 | 41.06 |

| | | | | |
|----|--------|--------|-------|-------|
| #1 | -.3836 | -1.727 | .3832 | .2418 |
| #2 | -.5940 | -3.619 | 1.057 | .4397 |

Check ? Value Range

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
|---------|------|------|------|------|

Sample Name: 829285 Acquired: 5/20/2010 17:38:56 Type: Unk
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWRD | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 429.44 | 3766.0 | 3847.9 | 4676.7 |
| Stddev | .63 | 5.9 | .9 | .1 |
| %RSD | .14685 | .15573 | .02445 | .00113 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 429.88 | 3761.8 | 3847.2 | 4676.7 |
| #2 | 428.99 | 3770.1 | 3848.6 | 4676.7 |

Sample Name: CCV Acquired: 5/20/2010 17:42:52 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.16 | 29850. | 100.4 | 725.0 | 199.2 |
| Stddev | .23 | 4. | 1.8 | .7 | 1.4 |
| %RSD | .2436 | .0140 | 1.814 | .0979 | .7008 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 96.32 | 29850. | 99.06 | 724.5 | 200.1 |
| #2 | 95.99 | 29850. | 101.6 | 725.5 | 198.2 |

Check ?
 High Limit
 Low Limit

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
|---------|----------|----------|----------|----------|----------|

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.00 | 29400. | 98.27 | 192.5 | 194.6 |
| Stddev | .148 | 132. | .45 | .5 | .6 |
| %RSD | .1479 | .4496 | .4610 | .2510 | .3169 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 100.1 | 29490. | 98.59 | 192.8 | 195.1 |
| #2 | 99.89 | 29310. | 97.95 | 192.1 | 194.2 |

Check ?
 High Limit
 Low Limit

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
|---------|----------|----------|----------|----------|----------|

Sample Name: CCV Acquired: 5/20/2010 17:42:52 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 188.4 | 29590. | 29930. | 29840. | 191.2 |
| Stddev | 1.6 | 144. | 101. | 89. | .6 |
| %RSD | .8422 | .4850 | .3358 | .2987 | .3281 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 189.6 | 29690. | 29860. | 29780. | 191.7 |
| #2 | 187.3 | 29490. | 30000. | 29910. | 190.8 |

Check ?
 High Limit
 Low Limit

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
|---------|----------|----------|----------|----------|----------|

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 203.1 | 29960. | 188.9 | 203.1 | 396.8 |
| Stddev | .1 | 5. | .3 | 2.6 | 4.3 |
| %RSD | .0733 | .0181 | .1722 | 1.275 | 1.073 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 203.2 | 29960. | 189.1 | 204.9 | 399.8 |
| #2 | 203.0 | 29970. | 188.6 | 201.3 | 393.8 |

Check ?
 High Limit
 Low Limit

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
|---------|----------|----------|----------|----------|----------|

Sample Name: CCV Acquired: 5/20/2010 17:42:52 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 294.7 | 101.6 | 1001. | 195.6 | 306.5 |
| Stddev | .8 | 9 | 10. | 1.7 | 1.7 |
| %RSD | .2838 | .9264 | 1.020 | .8778 | .5444 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 294.1 | 101.0 | 1008. | 196.8 | 305.4 |
| #2 | 295.3 | 102.3 | 994.0 | 194.4 | 307.7 |

Check ?
 High Limit
 Low Limit

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
|---------|----------|----------|----------|----------|----------|

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 400.1 | 102.5 | 198.5 | 198.2 |
| Stddev | 1.5 | 5 | .8 | .6 |
| %RSD | .3803 | .4787 | .4236 | .3241 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 401.1 | 102.9 | 199.1 | 198.6 |
| #2 | 399.0 | 102.2 | 197.9 | 197.7 |

Check ?
 High Limit
 Low Limit

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
|---------|----------|----------|----------|----------|

Sample Name: CCV Acquired: 5/20/2010 17:42:52 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 392.22 | 3654.7 | 3746.4 | 4619.3 |
| Stddev | .77 | 20.6 | 7.1 | 14.6 |
| %RSD | .19565 | .56390 | .18859 | .31662 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 391.67 | 3640.1 | 3741.4 | 4629.7 |
| #2 | 392.76 | 3669.3 | 3751.4 | 4609.0 |

Sample Name: CCB Acquired: 5/20/2010 17:46:48 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7112 | 4.558 | -3.656 | 1.259 | .4189 |
| Stddev | .9125 | 35.15 | 2.595 | .197 | 5.117 |
| %RSD | 128.3 | 771.2 | 70.98 | 15.66 | 1221. |

| | | | | | |
|----|--------|--------|--------|-------|--------|
| #1 | -1.357 | 29.41 | -5.491 | 1.398 | 4.037 |
| #2 | -0.660 | -20.30 | -1.821 | 1.119 | -3.199 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1706 | -82.24 | -.1667 | -.3388 | .1005 |
| Stddev | .2509 | 67.32 | .0012 | .3757 | .0098 |
| %RSD | 147.1 | 81.86 | .7347 | 110.9 | 9.720 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -.3480 | -129.8 | -.1675 | -.6044 | .1074 |
| #2 | .0068 | -34.63 | -.1658 | -.0731 | .0936 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/20/2010 17:46:48 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5056 | 7.933 | -93.39 | 8.792 | .0770 |
| Stddev | .2325 | 2.482 | 105.1 | 28.32 | .0893 |
| %RSD | 45.99 | 31.28 | 112.5 | 322.1 | 116.0 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | .6700 | 6.178 | -19.08 | -11.23 | .1402 |
| #2 | .3412 | 9.688 | -167.7 | 28.81 | .0139 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6404 | -7.075 | .4665 | .0264 | .0396 |
| Stddev | .4818 | 33.33 | .1112 | 1.452 | .8308 |
| %RSD | 75.25 | 471.1 | 23.85 | 5497. | 2098. |

| | | | | | |
|----|-------|--------|-------|--------|--------|
| #1 | .9811 | -30.64 | .5451 | 1.053 | -.5479 |
| #2 | .2996 | 16.49 | .3878 | -1.001 | .6271 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/20/2010 17:46:48 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.054 | -41.12 | 2.913 | .8794 | .0886 |
| Stddev | 2.005 | .7702 | 1.808 | .6506 | .0179 |
| %RSD | 190.3 | 187.3 | 62.06 | 73.97 | 20.17 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.3642 | .1335 | 4.192 | 1.339 | .0759 |
| #2 | -2.471 | -.9558 | 1.635 | .4194 | .1012 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.3016 | -.7744 | .4225 | -.1210 |
| Stddev | .0873 | .6677 | .1283 | .0503 |
| %RSD | 28.93 | 86.23 | 30.36 | 41.59 |

| | | | | |
|----|--------|--------|-------|--------|
| #1 | -.3633 | -.3022 | .5132 | -.1566 |
| #2 | -.2399 | -1.247 | .3318 | -.0854 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCB Acquired: 5/20/2010 17:46:48 Type: QC
 Method: 6010B(v52) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 423.07 | 3723.9 | 3817.0 | 4633.8 |
| Stddev | 2.07 | 4.7 | 8.2 | 15.8 |
| %RSD | .48970 | .12509 | .21607 | .34144 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 421.61 | 3720.6 | 3811.1 | 4645.0 |
| #2 | 424.54 | 3727.2 | 3822.8 | 4622.6 |



Sample Preparation – Metals

Date: 5/8/10

[illegible]

01215 2115

METALS DIGESTION LOG

| Batch Information: | | | | Method Information: | | | | Reagent & Standard Traceability: | | | | | |
|--------------------|---------|----------------------|-----------------|---|--|--------|-------------|--|-------------|-----|-----|-----|------|
| Date: | 5/19/10 | Digestion Method(s): | ILM04.1 ILM05.4 | HCl Tag ID: | MEHCL ALD-00014 | 10 mL | LCS Lot # | ME591K1F#1-00018, ME591K1F#2-00013, ME591K1F#3-00013 | Spike Added | 1.0 | 1.0 | 5.0 | mg/L |
| Start Time: | 9:40 | 3005AES | 3010AES | HNO ₃ Tag ID | MEHNO ₃ -00009 | 5 mL | True Value | See SOP | | | | | |
| Stop Time: | 13:20 | 3050MS | 200.7 | 1:1 HCl Lot # | N/A | | | | | | | | |
| Analyst: | ARS | CEC | SAR | 1:1 HNO ₃ Lot # | ME11HNO ₃ -00004 | 10 mL | MS Lot # | ME591K1F#1-00018, ME591K1F#2-00013 | | | | | |
| Spike Analyst: | ARS | Water | Soil | 30% H ₂ O ₂ Lot # | MEH ₂ O ₂ -00003 | 3.2 mL | Spike Added | 1.0 | 1.0 | | | | |
| Spike Witness: | MC | Matrix: | Issue | 2% HNO ₃ Lot # | N/A | | True Value | See SOP | | | | | |

| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Before Digestion | | | After Digestion | | | Comments |
|------------|-----------|-------------------------------|--------------|------------------|---------|---------|-----------------|-----------|---------|----------|
| | | | | Color | Clarity | Texture | Artifacts | Color | Clarity | |
| PBS051910A | | 1.00 | 100 | | | | | | | |
| LCS051910A | | 1.00 | | | | | | | | |
| 829265 | A1 | 1.15 | | Brown | | Coarse | Twigs | Lt Yellow | clear | |
| 829265MS | | 1.18 | | | | | | | | |
| 829265DP | | 1.20 | | | | | | | | |
| 829266 | | 1.28 | | Green | | | Grass | | | |
| 829267 | | 1.36 | | Lt Brown | | | roots | | | |
| 829268 | | 1.07 | | | | | Twigs | | | |
| 829269 | | 1.10 | | | | | roots | | | |
| 829270 | | 1.14 | | Green | | | Grass | | | |
| 829271 | | 1.12 | | Lt Brown | | | roots | | | |
| 829272 | | 1.34 | | Green | | | Grass | | | |
| 829273 | | 1.23 | | Lt Brown | | | roots | | | |
| 829274 | | 1.08 | | Green | | | Grass | | | |
| 829275 | | 1.12 | | Lt Brown | | | roots | | | |
| 829276 | | 1.10 | | Green | | | Grass | | | |
| 829277 | | 1.39 | | Lt Brown | | | roots | | | |
| 829278 | | 1.08 | | | | | Twigs | | | |
| 829279 | | 1.14 | | | | | roots | | | |
| 829280 | | 1.07 | | Green | | | Grass | | | |
| 829281 | | 1.20 | | Lt Brown | | | roots | | | |
| 829282 | | 1.15 | | | | | Twigs | | | |
| 829283 | | 1.10 | | | | | roots | | | |
| 829284 | | 1.14 | | Green | | | Grass | | | |

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature: Block 1 94 °C Block 3 ~ °C Block 5 ~ °C Block 7 ~ °C
 Block 2 94 °C Block 4 ~ °C Block 6 ~ °C Block 8 ~ °C

BR-FME002:04.02.08:7

TesAmerica

Page 7 of 100



| Batch Information: | Method Information: | | | | Reagent & Standard Traceability: | | | |
|--------------------|---------------------|---------|---------|----------|---|----|-------------|------|
| Date: | ILM04.1 | ILM05.4 | | | HCl Tag ID: | mL | LCS Lot # | |
| Start Time: | 3005AES | 3005MS | 3010AES | 3010MS | HNO ₃ Tag ID | mL | Spike Added | mL |
| Stop Time: | 3050AES | 3050MS | 200.7 | 200.8_DW | 1:1 HCl Lot # | mL | True Value | mg/L |
| Analyst: | TTMS | CEC | SAR | | 1:1 HNO ₃ Lot # | mL | MS Lot #: | |
| Spike Analyst: | Matrix: | | | | 30% H ₂ O ₂ Lot # | mL | Spike Added | mL |
| Spike Witness: | Water | Soil | Tissue | Air | 2% HNO ₃ Lot # | mL | True Value | mg/L |

| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Before Digestion | | | After Digestion | | Comments |
|---|-----------|-------------------------------|--------------|------------------|---------|---------|-----------------|---------|----------|
| | | | | Color | Clarity | Texture | Color | Clarity | |
| 829285 | N/A | 1.00 | 100 | colorless | clear | | W/allow | clear | |
| <div style="border: 1px solid black; padding: 5px; display: inline-block;"> D3 5/19/10 </div> | | | | | | | | | |

[illegible]

Page 8 of 100

| STANDARD TRACEABILITY RECORDS | | |
|-------------------------------------|---------|--|
| ICP-OES Instrument | | |
| Date: 5/20/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 052010-01 | TFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052010-02 | TFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | | Lot Number |
| Used for all methods | | |
| STD 7: | | MESTD7w 00012 |
| STD 8: | | MESTD8w 00008 |
| STD 4: | | MESTD4w 00012 |
| ICV: | | MEICVw 00005 |
| CCV: | | MECCVw 00014 |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | | ME5%2%AINSEw 00015 |
| Internal Standard Solution: | | MEICAT7ISw 00007 |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | | ME6010ICSAw 00008 |
| ICSAB 6010: | | ME6010ABw 00001 |
| CRI 6010: | | ME6010CAIw 00006 |
| DOD LRV Solution: | | |
| 6010 Post Spiking Solution: | | ME SPINE #1w 00008 |
| 5 PPM AG: | | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | | |
| ICSA ILM05.4: | | |
| ICSAB ILM05.4: | | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |



Sample Handling



DO NOT LIFT USING THIS TAG

| | | | |
|------------------------------------|--|------------------------------|--|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number | |
| Company | | Plant / Floor / Suite / Room | |
| Street Address | | City | |
| Emp# 580578 03MAY10 APAA | | © 2004 FedEx 149849 RE | |

FedEx 0006 OF 0006
MPS# 0260 8716 0065 9992
Mstr# 8675 7103 9650 0215

XH BTVA



TUE - 04 MAY AA
PRIORITY OVERNIGHT

05403
VT-US
BTV

DO NOT LIFT USING THIS TAG

| | | | |
|------------------------------------|--|------------------------------|--|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number | |
| Company | | Plant / Floor / Suite / Room | |
| Street | | City | |
| Emp# 580578 03MAY10 APAA | | © 2004 Fed | |

FedEx 0005 OF 0006
MPS# 0260 8716 0066 0003
Mstr# 8675 7103 9650 0215

XH BTVA



TUE - 04 MAY AA
PRIORITY OVERNIGHT

05403
VT-US
BTV

| TestAmerica Burlington SAMPLE RECEIPT & LOG IN CHECKLIST | | |
|--|---------------------------------|----------------------------------|
| Client: <u>CRSCOD</u> | Date Received: <u>05/04/10</u> | Log In Date: <u>05/06/10</u> |
| ETR: <u>137208</u> | Time Received: <u>1015</u> | By: <u>[Signature]</u> |
| SDG: <u>137208</u> | Received By: <u>[Signature]</u> | Signature: <u>[Signature]</u> |
| Project: <u>290000</u> | # Coolers Received: <u>6</u> | PM Signature: <u>[Signature]</u> |
| Samples Delivered By: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify) | | Date: <u>5/10/10</u> |
| List Air bill Number(s) or Attach a photocopy of the Air Bill: | | |

| COOLER SCREEN | YES | NO | NA | COMMENTS |
|---|-------------------------------------|-------------------------------------|--------------------------|----------|
| There is <i>no</i> evidence to indicate tampering | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Custody seals are present and intact | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Custody seal numbers are present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| If yes, list custody seal numbers: | | | | |

| Thermal Preservation Type: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other (specify) | | | | | |
|---|----|--------------------------------|----|-----------|----|
| IR Gun ID: 96 | | Correction Factor (CF) = -2 °C | | | |
| Cooler 1: 2.0 | °C | Cooler 6: 4.3 | °C | Cooler 11 | °C |
| Cooler 2: 2.2 | °C | Cooler 7 | °C | Cooler 12 | °C |
| Cooler 3: 4.2 | °C | Cooler 8 | °C | Cooler 13 | °C |
| Cooler 4: 0.6 | °C | Cooler 9 | °C | Cooler 14 | °C |
| Cooler 5: 2.8 | °C | Cooler 10 | °C | Cooler 15 | °C |
| | | | | Cooler 16 | °C |
| | | | | Cooler 17 | °C |
| | | | | Cooler 18 | °C |
| | | | | Cooler 19 | °C |
| | | | | Cooler 20 | °C |

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun
EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.

| SAMPLE CONDITION | YES | NO | NA | COMMENTS |
|---|-----|----|----|----------|
| Sample containers were received intact | X | | | |
| Legible sample labels are affixed to each container | X | | | |
| CHAIN OF CUSTODY (COC) | YES | NO | NA | COMMENTS |

| CDC is present and includes the following information for each container: | | | | |
|---|---|---|---|--|
| • Sample ID / Sample Description | X | | | |
| • Date of Sample Collection | X | | | |
| • Time of Sample Collection | X | | | |
| • Identification of the Sampler | X | | | |
| • Preservation Type | | | X | |
| • Requested Tests Method(s) | X | | | |
| • Necessary Signatures | X | | | |
| Internal Chain of Custody (ICOC) Required | | X | | |
| If yes to above, ICOC Record initiated for every Worksheet | | | X | |

| SAMPLE INTEGRITY/USABILITY | YES | NO | NA | COMMENTS |
|---|-----|----|----|----------|
| The sample container matches the COC | X | | | |
| Appropriate sample containers were received for the tests requested | X | | | |
| Samples were received within holding time | X | | | |
| Sufficient amount of sample is provided for requested analyses | X | | | |
| VDA vials do not have headspace or a bubble >6mm (1/4" diameter) | | | X | |
| Appropriate preservatives were used for the tests requested | | | X | |
| pH of inorganic samples checked and is within method specification | | | X | |
| If no, attach Inorganic Sample pH Adjustment Form | | | X | |

ANOMALY / NCR SUMMARY

All volumes for this log in received in 2 of 6 cooler at 2.2°C and 4.3°C, copies of airbills attached.

70s R attached due to length, all hypoxia removed.

TestAmerica
South Burlington, VT
Extended Data Package

137210

TestAmerica Laboratories, Inc.

May 28, 2010

Ms. Sheri O'Conner
URS Operating Services, Inc.
1099 18th Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: CMI; SDG: 137210

Dear Ms. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137210 | | | |
| 829287 | CVR3TR11T04NPLTSBW | 05/02/10 | TISSUE |
| 829287DP | CVR3TR11T03NPLTSBWREP | 05/02/10 | TISSUE |
| 829287MD | CVR3TR11T04NPLTSBWMSD | 05/02/10 | TISSUE |
| 829288 | CVR3TR3-2-T02N-PLTGBW | 04/29/10 | TISSUE |
| 829289 | CVR3TR3-2-T04N-PLTSAW | 04/29/10 | TISSUE |
| 829290 | CVR3TR3-2-T04D-PLTSAW | 04/29/10 | TISSUE |
| 829291 | CVR3TR3-2-T04N-PLTSBW | 04/29/10 | TISSUE |
| 829292 | CVR3TR3-2-T04D-PLTSBW | 04/29/10 | TISSUE |
| 829293 | CVR3TR3-3-T02N-PLTGAW | 04/29/10 | TISSUE |
| 829294 | CVR3TR3-3-T02N-PLTGBW | 04/29/10 | TISSUE |
| 829295 | CVR3TR3-3-T03N-PLTFAW | 04/29/10 | TISSUE |
| 829296 | CVR3TR3-3-T03N-PLTFBW | 04/29/10 | TISSUE |
| 829297 | CVR2TR1-1-T04N-PLTSAW | 05/01/10 | TISSUE |
| 829298 | CVR2TR1-1-T04N-PLTSBW | 05/01/10 | TISSUE |
| 829299 | CVR2TR1-1-T03N-PLTFAW | 05/01/10 | TISSUE |
| 829300 | CVR2TR1-1-T03N-PLTFBW | 05/01/10 | TISSUE |
| 829301 | CVR2TR1-2-T02N-PLTGAW | 05/01/10 | TISSUE |
| 829302 | CVR2TR1-2-T02N-PLTGBW | 05/01/10 | TISSUE |
| 829303 | CVR2TR1-2-T03N-PLTFAW | 05/01/10 | TISSUE |
| 829304 | CVR2TR1-2-T03D-PLTFAW | 05/01/10 | TISSUE |
| 829305 | CVR2TR1-2-T03N-PLTFBW | 05/01/10 | TISSUE |
| 829306 | CVR2TR1-2-T03D-PLTFBW | 05/01/10 | TISSUE |
| 829307 | EQBLK01 | | TISSUE |



Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B Tissue

These sample volumes were homogenized prior to analysis via 6010B. There were no QC related anomalies encountered during the analysis of these samples.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joseph Carabillo', is written over a light blue horizontal line.

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|---|------------|
| Chain of Custody | 2 |
| Sample Report Summary Wet Chemistry | 8 |
| Supportive Documentation Wet Chemistry | 30 |
| Sample Report Summary Metals | 33 |
| QC Summary Metals | 56 |
| Supportive Documentation Metals | 80 |
| Sample Preparation Metals | 129 |
| Sample Handling | 134 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody

| Project Name CMT Soil + Vegetation | | Project Number 32241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | PRESERVATIVE | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|---|--|------|--|--------|--|----------------------------|--|--------------|--|-----------------------------|--|---|--|------|--|-------|--|-------|--|-------|--|------------|--|------|--|------------|--|------------|--|-----------|--|---------|--|
| Project Manager Mia C. Soellinev | | Report CC Shelli O'Connor@URS Corp. | | | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other - 4°C 9. Other | | | | | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | FAX # (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 333-5217 | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING DATE | | TIME | | MATRIX | | Total Number of Containers | | Total Metals | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | REMARKS | |
| CVR1 TR3-3 - T02N-PLTGAU | | | | 04/23/10 | | 1440 | | O | | 1 | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TR3-3 - T02N-PLTGBU | | | | 04/23/10 | | 1530 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TR3-3 - T03N-PLTFAU | | | | 04/23/10 | | 1500 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR1 TR3-3 - T03N-PLTFBU | | | | 04/23/10 | | 1503 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TR1-1 - T02N-PLTGAU | | | | 05/02/10 | | 0900 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TR1-1 - T02N-PLTGBU | | | | 05/02/10 | | 0910 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TR1-1 - T04N-PLTGAU | | | | 05/02/10 | | 0930 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3 TR1-1 - T04N-PLTGBU | | | | 05/02/10 | | 0930 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TURNAROUND REQUIREMENTS RUSH (surcharges apply) 24 hr 48 hr 5 day X STANDARD per work order WORK ORDER REQUESTED FAX DATE REQUESTED REPORT DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No per work order | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INVOICE INFORMATION PO# BILL TO: Shelli O'Connor SUBMISSION #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 3.2 | | CUSTODY SEALS Y N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY Signature Liz Best | | RECEIVED BY Signature Shelli O'Connor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printed Name Liz Best | | Printed Name Shelli O'Connor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Firm URS | | Firm URS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date/Time 05/05/10 1500 | | Date/Time 05/04/10 1015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|---|--|----------------------------|--|----------------------------|--|----------------------------|--|-----------------------------|--|--|--|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|--|--------------|--|
| Project Name CMI Soil + Vegetation | | Project Number 2241609 02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager Mare Soellner | | Report CC Sheri O'Connor@urscorp.com | | Total Number of Containers 0 | | | | Total Metals only | | | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | FAX # (303) 694-3946 (URS) | | SAMPLING DATE | | TIME | | MATRIX | | LAB USE ONLY | | FIELD SAMPLE ID | | PRESERVATIVE Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | | | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5297 | | Sampler's Signature Liz Best | | DATE | | TIME | | MATRIX | | LAB USE ONLY | | FIELD SAMPLE ID | | REMARKS | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature Liz Best | | DATE | | TIME | | MATRIX | | LAB USE ONLY | | FIELD SAMPLE ID | | CONTAINER | | | | | | | | | | | | | | | | | | | | | | | |
| 04/29/10 | | 13:20 | | 0 | | 04/29/10 | | 13:20 | | 0 | | 04/29/10 | | 0 | | | | | | | | | | | | | | | | | | | | | |
| 04/29/10 | | 13:20 | | 1 | | 04/29/10 | | 08:15 | | 1 | | 04/29/10 | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 04/29/10 | | 08:15 | | 1 | | 04/29/10 | | 03:40 | | 1 | | 04/29/10 | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 04/29/10 | | 08:15 | | 1 | | 04/29/10 | | 08:15 | | 1 | | 04/29/10 | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 04/29/10 | | 08:40 | | 1 | | 04/29/10 | | 10:10 | | 1 | | 04/29/10 | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 04/29/10 | | 10:15 | | 1 | | 04/29/10 | | 10:15 | | 1 | | 04/29/10 | | 1 | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | VEG. | | CUSTODY SEALS: Y N | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | | |
| Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | Signature Liz Best | | | |
| Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | Printed Name Liz Best | | | |
| Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | Firm URS | | | |
| Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | Date/Time 05/10/10 1500 | | | |



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

URS Corporation • 8181 E. Tufts Avenue, Denver, CO 80237 • 303-694-2770 • Fax 303-694-3946

PAGE 9 OF 13

Work Order #

| Project Name | | Project Number | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------------------|--|--|--|---------------|--|--|--|----------------------------|--|--|--|-----------------------------|--|--|--|---------------|--|-----------------|--|---------------|--|-----------------|--|---------------|--|-----------------|--|---------------|--|-----------------|--|-------------|--|--------------|--|
| CMI Soil + Vegetation | | 22241609.02000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager | | Report CC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mave Soellner | | sheri-o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8181 E Tufts Ave | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Denver, CO 80237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # | | FAX # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (303) 332-5297 | | (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature | | Sampler's Printed Name | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liz Best | | Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING | | TIME | | MATRIX | | Total Number of Containers | | Total Metals | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| | | | | DATE | | TIME | | MATRIX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-2-T04N-PLTSAW | | | | 04/29/10 | | 0930 | | 0 | | 1 | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-2-T04D-PLTSAW | | | | 04/29/10 | | 0930 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-2-T04N-PLTSAW | | | | 04/29/10 | | 0940 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-2-T04D-PLTSAW | | | | 04/29/10 | | 0940 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-3-T02N-PLTGAW | | | | 04/29/10 | | 1040 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-3-T02N-PLTGBW | | | | 04/29/10 | | 1050 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-3-T03N-PLTFAW | | | | 04/29/10 | | 1040 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-3-T03N-PLTFBW | | | | 04/29/10 | | 1050 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS | | | | Matrix Key: | | | | TURNAROUND REQUIREMENTS | | | | REPORT REQUIREMENTS | | | | INVOICE INFORMATION | | | | | | | | | | | | | | | | | | | | | |
| Inorganic suite includes: | | | | W = Water S = Soil/Sediment B = Biota O = Other | | | | RUSH (surcharges apply) 24 hr 48 hr 5 day | | | | I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No per work order | | | | PO# BILL TO: Sheri O'connor SUBMISSION #: | | | | | | | | | | | | | | | | | | | | | |
| URS Contact: sheri-o'connor@urscorp.com | | | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | | | X STANDARD per work order REQUESTED FAX DATE REQUESTED REPORT DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| See SOW <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| See QAPP <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2.2 | | | | CUSTODY SEALS (Y/N) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | RELINQUISHED BY | | RECEIVED BY | | | |
| Signature | | Signature | | Signature | | Signature | | Signature | | Signature | | Signature | | Signature | | Signature | | Signature | | Signature | | Signature | | Signature | | Signature | | Signature | | Signature | | Signature | | | | | |
| Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | Printed Name | | | | | |
| Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | Firm | | | | | |
| Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | Date/Time | | | | | |
| 05/03/10 1500 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | 05/04/10 1015 | | | | | |

W:\General\Chemistry\COC Forms\URS General.doc 11/20/08 11:52 AM

White and Yellow to lab

Pink - sample management

Cooler of

| | | | | | | | | | | | | | | | | | | | | |
|---|------------------|--|------|--|----------------------------|-------------------|------------------|---|------|------|-------|---|-------|------------|------|---|------------|-----------|---|---------|
| Project Name CMI Soil + Vegetation | | Project Number 22241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | |
| Project Manager Marc Soellner | | Report CC Sheri-O'Connor@urscorp.com | | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | FAX # (303) 694-3946 (URS) Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5297 Sampler's Signature Liz Best | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | FOR LAB USE ONLY | SAMPLING DATE | TIME | MATRIX | Total Number of Containers | Total Metals moly | Dissolved Metals | Inorganic Suite (see notes) | VOCs | BTEX | TPH-G | TPH-D | SVOCs | Pesticides | PCBs | Explosives | PCDD/PCDFs | Herbicide | PRESERVATIVE | REMARKS |
| 05/03/10-104N-PLTSAW | | 05/03/10 | 1040 | 0 | 1 | X | | | | | | | | | | | | | 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | |
| 05/03/10-104N-PLTSAW | | 05/03/10 | 1650 | 0 | 1 | X | | | | | | | | | | | | | | |
| 05/01/10-104N-PLTSAW | | 05/01/10 | 1440 | 0 | 1 | X | | | | | | | | | | | | | | |
| 05/01/10-104N-PLTSAW | | 05/01/10 | 1505 | 0 | 1 | X | | | | | | | | | | | | | | |
| 05/01/10-103N-PLTFAW | | 05/01/10 | 1440 | 0 | 1 | X | | | | | | | | | | | | | | |
| 05/01/10-103N-PLTFAW | | 05/01/10 | 1450 | 0 | 1 | X | | | | | | | | | | | | | | |
| 05/01/10-102N-PLTGAW | | 05/01/10 | 1540 | 0 | 1 | X | | | | | | | | | | | | | | |
| 05/01/10-102N-PLTGAW | | 05/01/10 | 1630 | 0 | 1 | X | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other veg. | | | | TURNAROUND REQUIREMENTS RUSH (surcharges apply) 24 hr 48 hr 5 day | | | | REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No per work order | | | | INVOICE INFORMATION PO# BILL TO: Sheri O'Connor SUBMISSION # | | | | |
| URS Contact: Sheri-O'Connor@urscorp.com See SOW <input checked="" type="checkbox"/> See QAPP <input type="checkbox"/> | | | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | | | CUSTODY SEALS (Y/N) | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RELINQUISHED BY Signature Printed Name Firm Date/Time | | | | |
| SAMPLE RECEIPT: CONDITION/Cooler Temp: 4.3 | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | RECEIVED BY Signature Printed Name Firm Date/Time | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|---|--|--------|--|----------------------------|--|--------------|--|-----------------------------|--|------|--|-----|--|-------|--|-------|--|-------|--|------------|--|------|--|------------|--|------------|--|-----------|--|---|--|
| Project Name CMI Soil + Vegetation | | Project Number 22241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager Marc Soellner | | Report CC sheri_o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-52971 | | FAX # (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature Liz Best | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING | | MATRIX | | Total Number of Containers | | Total Metals | | Inorganic Suite (see notes) | | VOCs | | BTX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| CVR2TRI-2-T03N-PLTFBW | | | | DATE | | TIME | | O | | X | | | | | | | | | | | | | | | | | | | | | | | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | |
| CVR2TRI-2-T03D-PLTFBW | | | | 05/01/10 | | 1540 | | O | | X | | | | | | | | | | | | | | | | | | | | | | | | FD | |
| CVR2TRI-2-T03N-PLTFBW | | | | 05/01/10 | | 1600 | | O | | X | | | | | | | | | | | | | | | | | | | | | | | | FD | |
| CVR2TRI-2-T03D-PLTFBW | | | | 05/01/10 | | 1600 | | O | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-3-T03N-PLTFBW | | | | 05/01/10 | | 1650 | | O | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-3-T03N-PLTFBW | | | | 05/01/10 | | 1655 | | O | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-1-T02N-PLTFBW | | | | 04/30/10 | | 1630 | | O | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-1-T02N-PLTFBW | | | | 04/30/10 | | 1640 | | O | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | veg. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| URS Contact: sheri_o'connor@urscorp.com | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| See SOW <input checked="" type="checkbox"/> | | See QAPP <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 4.3 | | CUSTODY SEALS: N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY Signature Liz Best | | RECEIVED BY Signature Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printed Name Liz Best | | Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Firm URS | | Firm URS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date/Time 05/03/10 1500 | | Date/Time 05/03/10 1015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR11T04NPLTSBW

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829287

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 30.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 30.9 | |

WET CHEMISTRY
Duplicate Sample Report Summary

Client Sample No.
CVR3TR11T03NPLTSBW

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829287DP

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 31.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | Sample Result | | Duplicate Sample Result | | RPD ¹ |
|--------|-----------------|---------------------|------------------|-------|---------------|-------|-------------------------|-------|------------------|
| | | | | | Conc. | Qual. | Conc. | Qual. | |
| IN623 | Solids, Percent | 05/20/10 | | % | 30.9 | | 31.8 | | 3 |

1 - Control Limit for RPD is +/- 20%, unless otherwise specified.

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-2-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829288

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 26.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 26.4 | |

Sample Report Summary

CVR3TR3-2-T04N-PLTSA

% Solids: 32.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 32.3 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-2-T04D-PLTSA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829290

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 33.2

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 33.2 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-2-T04N-PLTSB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829291

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 34.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 34.1 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-2-T04D-PLTSB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829292

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 31.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 31.3 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-3-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829293

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 30.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN823 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 30.9 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-3-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829294

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 33.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 33.0 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-3-T03N-PLTFA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829295

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 15.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 15.1 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-3-T03N-PLTFB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829296

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 14.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 14.9 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-1-T04N-PLTSA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829297

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 35.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 35.1 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-1-T04N-PLTSB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829298

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 29.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 29.3 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-1-T03N-PLTFA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829299

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 22.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 22.8 | |

Sample Report Summary

CVR2TR1-1-T03N-PLTFB

% Solids: 33.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 33.5 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-2-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829301

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 38.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 38.0 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-2-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829302

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 33.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 33.9 | |

Sample Report Summary

CVR2TR1-2-T03N-PLTFA

% Solids: 21.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 21.0 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-2-T03D-PLTFA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829304

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 20.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 20.0 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-2-T03N-PLTFB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829305

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 33.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 33.7 | |

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-2-T03D-PLTFB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137210

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829306

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 34.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 34.8 | |



Supportive Documentation – Wet Chemistry



Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

| | | | | | | |
|-------------------------------------|---------|--------------------|---------------------------------------|---------------------------------------|-----------------------|-------------------------|
| Analysis Start Date: 5/20/2010 | | Oven ID: 2 | | Analysis End Date: 5/21/2010 | | |
| Analysis Start Time: 19:00 | | Time In: 20:00 | | Analysis End Time: 8:10 | | |
| Start Analyst: MNT | | Time Out: 8:45 | | End Analyst: MNT | | |
| Start Analyst Signature: <i>MNT</i> | | | | End Analyst Signature: <i>MNT</i> | | |
| | | | | | | |
| LAB ID | Dish ID | Dish Weight (g) | Weight of Dish + Wet Sample (g) | Weight of Dish + Dry Sample (g) | Percent Solids (%) | Percent Moisture (%) |
| 829287 | 1 | 1.02 | 4.61 | 2.13 | 30.9 | 69 |
| 829287DP | 2 | 0.98 | 5.01 | 2.26 | 31.8 | 68 |
| 829288 | 3 | 1.02 | 5.38 | 2.17 | 26.4 | 74 |
| 829289 | 4 | 1.00 | 5.09 | 2.32 | 32.3 | 68 |
| 829290 | 5 | 1.00 | 4.95 | 2.31 | 33.2 | 67 |
| 829291 | 6 | 0.99 | 3.51 | 1.85 | 34.1 | 66 |
| 829292 | 7 | 1.01 | 4.43 | 2.08 | 31.3 | 69 |
| 829293 | 8 | 1.01 | 4.05 | 1.95 | 30.9 | 69 |
| 829294 | 9 | 0.96 | 4.35 | 2.08 | 33.0 | 67 |
| 829295 | 10 | 1.00 | 4.65 | 1.55 | 15.1 | 85 |
| 829296 | 11 | 0.99 | 3.81 | 1.41 | 14.9 | 85 |
| 829297 | 12 | 0.98 | 3.57 | 1.89 | 35.1 | 65 |
| 829298 | 13 | 1.00 | 4.65 | 2.07 | 29.3 | 71 |
| 829299 | 14 | 1.00 | 3.98 | 1.68 | 22.8 | 77 |
| 829300 | 15 | 0.98 | 4.59 | 2.19 | 33.5 | 67 |
| 829301 | 16 | 0.99 | 3.12 | 1.80 | 38.0 | 62 |
| 829302 | 17 | 0.97 | 3.36 | 1.78 | 33.9 | 66 |
| 829303 | 18 | 1.00 | 4.66 | 1.77 | 21.0 | 79 |
| 829304 | 19 | 1.00 | 5.45 | 1.89 | 20.0 | 80 |
| 829305 | 20 | 0.99 | 4.34 | 2.12 | 33.7 | 66 |
| 829306 | 21 | 1.00 | 4.88 | 2.35 | 34.8 | 65 |
| 829330 | 22 | 1.01 | 3.02 | 1.63 | 30.8 | 69 |
| 829330DP | 23 | 0.98 | 3.48 | 1.71 | 29.2 | 71 |
| 829331 | 24 | 0.99 | 3.51 | 1.81 | 32.5 | 68 |
| 829332 | 25 | 1.00 | 4.47 | 2.37 | 39.5 | 61 |
| 829333 | 26 | 0.98 | 3.89 | 2.01 | 35.4 | 65 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Calculation: Percent Wet Weight =
$$\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210

SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|-----------------------|----------------|
| CVR2TR1-1-T03N-PLTFAW | 829299 |
| CVR2TR1-1-T03N-PLTFBW | 829300 |
| CVR2TR1-1-T04N-PLTSAW | 829297 |
| CVR2TR1-1-T04N-PLTSBW | 829298 |
| CVR2TR1-2-T02N-PLTGAW | 829301 |
| CVR2TR1-2-T02N-PLTGBW | 829302 |
| CVR2TR1-2-T03D-PLTFAW | 829304 |
| CVR2TR1-2-T03D-PLTFBW | 829306 |
| CVR2TR1-2-T03N-PLTFAW | 829303 |
| CVR2TR1-2-T03N-PLTFBW | 829305 |
| CVR3TR11T03NPLTSBWD | 829287DP |
| CVR3TR11T04NPLTSBW | 829287 |
| CVR3TR11T04NPLTSBWS | 829287MS |
| CVR3TR3-2-T02N-PLTGBW | 829288 |
| CVR3TR3-2-T04D-PLTSAW | 829290 |
| CVR3TR3-2-T04D-PLTSBW | 829292 |
| CVR3TR3-2-T04N-PLTSAW | 829289 |
| CVR3TR3-2-T04N-PLTSBW | 829291 |
| CVR3TR3-3-T02N-PLTGAW | 829293 |
| CVR3TR3-3-T02N-PLTGBW | 829294 |
| CVR3TR3-3-T03N-PLTFAW | 829295 |
| CVR3TR3-3-T03N-PLTFBW | 829296 |
| EQBLK01 | 829307 |

Were ICP interelement corrections applied? Yes/No YESWere ICP background corrections applied? Yes/No YESIf yes-were raw data generated before
application of background corrections? Yes/No NOComments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-1-T03N-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829299
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 22.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 48.4 | | | P |

Color Before: green Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: _____Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-1-T03N-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829300
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 33.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 67.7 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: _____Comments: _____

USEPA-CLP FORMS

-I-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-1-T04N-PLTSAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829297
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 35.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 18.0 | | | P |

Color Before: green Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: _____Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-1-T04N-PLTSEW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829298
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 29.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 108 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-2-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829301
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 38.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 49.0 | | | P |

Color Before: green Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: _____Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-2-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829302
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 33.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 56.3 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: _____Comments: _____

_____Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-2-T03D-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829304
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 20.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 87.7 | | | P |

Color Before: green Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: _____Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-2-T03D-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829306
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 34.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 93.4 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-2-T03N-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829303
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 21.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 89.8 | | | P |

Color Before: green Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: _____Comments: _____

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR1-2-T03N-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829305
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 33.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 113 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: _____Comments: _____

-1-

EPA SAMPLE NO.

CVR3TR11T04NPLTSBW

| | | | |
|----------------------|-------------------------------|----------------|-----------------------------|
| Lab Name: | <u>TestAmerica Burlington</u> | Contract: | <u>29000</u> |
| Lab Code: | <u>STLVT</u> | Case No.: | <u>CMIS&V</u> |
| | | SAS No.: | <u> </u> |
| | | SDG No.: | <u>137210</u> |
| Matrix (soil/water): | <u>TISSUE</u> | Lab Sample ID: | <u>829287</u> |
| Level (low/med): | <u>LOW</u> | Date Received: | <u>5/4/2010</u> |
| % Solids: | <u>30.9</u> | | |

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 51.4 | | | P |

Color Before: light brown Clarity Before: Texture: coarse

Color After: light yellow Clarity After: clear Artifacts:

Comments: _____

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-2-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829288
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 26.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 53.7 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-2-T04D-PLTSAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829290
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 33.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 39.6 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-2-T04D-PLTSBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829292
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 31.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 102 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

_____Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-2-T04N-PLTSAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829289
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 32.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 32.5 | | | P |

Color Before: green Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: _____Comments: _____

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-2-T04N-PLTSEW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829291
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 34.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 158 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: _____Comments: _____

Form I - IN

-1-

EPA SAMPLE NO.

CVR3TR3-3-T02N-PLTGAW

| | | | |
|----------------------|-------------------------------|----------------|-----------------------------|
| Lab Name: | <u>TestAmerica Burlington</u> | Contract: | <u>29000</u> |
| Lab Code: | <u>STLVT</u> | Case No.: | <u>CMIS&V</u> |
| | | SAS No.: | <u> </u> |
| | | SDG No.: | <u>137210</u> |
| Matrix (soil/water): | <u>TISSUE</u> | Lab Sample ID: | <u>829293</u> |
| Level (low/med): | <u>LOW</u> | Date Received: | <u>5/4/2010</u> |
| % Solids: | <u>30.9</u> | | |

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 121 | | | P |

| | | | | | |
|---------------|---------------------|-----------------|-----------------------------|------------|-----------------------------|
| Color Before: | <u>green</u> | Clarity Before: | <u> </u> | Texture: | <u>coarse</u> |
| Color After: | <u>light yellow</u> | Clarity After: | <u>clear</u> | Artifacts: | <u> </u> |

Comments:

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-3-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829294
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 33.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 74.3 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: _____Comments: _____

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-3-T03N-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829295
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 15.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 194 | | | P |

Color Before: green Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-3-T03N-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829296
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 14.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 435 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarseColor After: light yellow Clarity After: clear Artifacts: _____Comments: _____

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

EQBLK01

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
Matrix (soil/water): TISSUE Lab Sample ID: 829307
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.047 | U | | P |

Color Before: colorless Clarity Before: clear Texture: _____Color After: light yellow Clarity After: clear Artifacts: _____Comments: _____

_____Form I - IN



QC Summary – Metals

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137210
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 526.10 | 105.2 | 200.0 | 195.30 | 97.6 | 194.30 | 97.2 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137210
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 193.90 | 97.0 | 193.70 | 96.8 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137210

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | True | Found | %R | CRDL Standard for ICP | | | | |
|------------|------|-------|----|-----------------------|-------|-------|-------|----|
| | | | | Initial | Final | | | |
| | | | | True | Found | %R | Found | %R |
| Molybdenum | | | | 10.0 | 12.99 | 129.9 | | |

Control Limits: no limits have been established by EPA at this time

Form IIB-IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137210Preparation Blank Matrix (soil/water): SOLIDPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | M |
|------------|--------------------------------------|--|-----|-----|--|--|--|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| Molybdenum | 2.4 | 0.6 | 0.5 | 0.5 | | | | 0.047 | |

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210Preparation Blank Matrix (soil/water): WATERPreparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | M |
|------------|--------------------------------------|--|---|---|--|--|--|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| Molybdenum | | 0.5 | | | | | | | P |

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210ICP ID Number: TJA ICAP 7 ICS Source: Inorganic VenturesConcentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | 0 | 976.5 | 99.0 | | | |

Form IV - IN

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR3TR11T04NPLTSBWS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 30.9Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|---------------------|-------|---|---|
| Molybdenum | 80 - 120 | 179.8606 | 51.3632 | 124.47 | 103.2 | | P |

Comments:

Form V (PART 1) - IN

USEPA-CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR3TR11T04NPLTSBWA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210Matrix (soil/water): TISSUE Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added(SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|--------------------|------|---|---|
| Molybdenum | | 700.30 | | 209.50 | | 500.0 | 98.2 | | P |

Comments: _____

Form V (PART 2) - IN

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR3TR11T03NPLTSBWD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 30.9 % Solids for Duplicate: 31.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|------------|------------------|------------|---|---------------|---|------|---|---|
| Molybdenum | | 51.3632 | | 46.2281 | | 10.5 | | P |

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137210Solid LCS Source: Inorganic VenturesAqueous LCS Source:

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | | |
|------------|----------------|-------|----|---------------|-------|---|--------|------|-------|
| | True | Found | %R | True | Found | C | Limits | %R | |
| Molybdenum | | | | 50.0 | 50.0 | | 40.0 | 60.0 | 100.0 |

Form VII - IN

USEPA-CLP FORMS

9

ICP SERIAL DILUTIONS

SAMPLE NO.

CVR3TR11T04NPLTSBWL

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: CMIS&V

SAS No.: _____

SDG No.: 137210Matrix (soil/water): TISSUE

Level (low/med): _____

LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) | | Serial Dilution Result (S) | | % Differ- ence | Q | M |
|------------|------------------------------|--|-------------------------------|--|-------------------|---|---|
| | C | | C | | | | |
| Molybdenum | 209.50 | | 203.90 | | 2.7 | | P |

USEPA-CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|-----------|---------------------|-------------|----------------|---------------|---|
| Molybdenu | 202.030 | | 10 | 0.47 | P |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|---------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments: _____

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210Method: P

| EPA Sample No. | Preparation Date | Initial Volume mL | Volume (mL) |
|----------------------|---------------------|----------------------|----------------|
| CVR2TR1-1-T03N-PLTFA | 5/26/2010 | 1.18 | 100.0 |
| CVR2TR1-1-T03N-PLTFB | 5/26/2010 | 1.36 | 100.0 |
| CVR2TR1-1-T04N-PLTSA | 5/26/2010 | 1.08 | 100.0 |
| CVR2TR1-1-T04N-PLTSE | 5/26/2010 | 1.11 | 100.0 |
| CVR2TR1-2-T02N-PLTGA | 5/26/2010 | 1.27 | 100.0 |
| CVR2TR1-2-T02N-PLTGB | 5/26/2010 | 1.13 | 100.0 |
| CVR2TR1-2-T03D-PLTFA | 5/26/2010 | 1.17 | 100.0 |
| CVR2TR1-2-T03D-PLTFB | 5/26/2010 | 1.14 | 100.0 |
| CVR2TR1-2-T03N-PLTFA | 5/26/2010 | 1.18 | 100.0 |
| CVR2TR1-2-T03N-PLTFB | 5/26/2010 | 1.10 | 100.0 |
| CVR3TR11T03NPLTSBWD | 5/26/2010 | 1.16 | 100.0 |
| CVR3TR11T04NPLTSBW | 5/26/2010 | 1.32 | 100.0 |
| CVR3TR11T04NPLTSBWS | 5/26/2010 | 1.30 | 100.0 |
| CVR3TR3-2-T02N-PLTGB | 5/26/2010 | 1.21 | 100.0 |
| CVR3TR3-2-T04D-PLTSA | 5/26/2010 | 1.10 | 100.0 |
| CVR3TR3-2-T04D-PLTSE | 5/26/2010 | 1.07 | 100.0 |
| CVR3TR3-2-T04N-PLTSA | 5/26/2010 | 1.15 | 100.0 |
| CVR3TR3-2-T04N-PLTSE | 5/26/2010 | 1.08 | 100.0 |
| CVR3TR3-3-T02N-PLTGA | 5/26/2010 | 1.13 | 100.0 |
| CVR3TR3-3-T02N-PLTGB | 5/26/2010 | 1.16 | 100.0 |
| CVR3TR3-3-T03N-PLTFA | 5/26/2010 | 1.21 | 100.0 |
| CVR3TR3-3-T03N-PLTFB | 5/26/2010 | 1.30 | 100.0 |
| EQBLK01 | 5/26/2010 | 1.00 | 100.0 |
| LCSS052610D | 5/26/2010 | 1.00 | 100.0 |
| PBS052610D | 5/26/2010 | 1.00 | 100.0 |

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: CMIS&V

SAS No.: _____

SDG No.: 137210Instrument ID Number: TJA ICAP 7Method: PStart Date: 5/26/2010End Date: 5/26/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|---|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S E | A G | N A | T L | V N | Z N | C N | | | | |
| S0 | 1.00 | 1724 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| STD7 | 1.00 | 1728 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 1732 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 1736 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| ICV | 1.00 | 1740 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| ICB | 1.00 | 1744 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| ICSA | 1.00 | 1748 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| ICSAB | 1.00 | 1751 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CRI | 1.00 | 1755 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| ZZZZZZ | 1.00 | 1759 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1803 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CCB | 1.00 | 1807 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| PBS052610D | 1.00 | 1811 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| LCSS052610D | 1.00 | 1815 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR11T04NPLTSBW | 1.00 | 1818 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR11T04NPLTSBWL | 5.00 | 1822 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR11T04NPLTSBWA | 1.00 | 1826 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR11T04NPLTSBWS | 1.00 | 1830 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR11T03NPLTSBWD | 1.00 | 1834 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR3-2-T02N-PLTG | 1.00 | 1838 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR3-2-T04N-PLTS | 1.00 | 1842 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR3-2-T04D-PLTS | 1.00 | 1846 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CCV | 1.00 | 1850 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CCB | 1.00 | 1853 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR3-2-T04N-PLTS | 1.00 | 1857 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR3-2-T04D-PLTS | 1.00 | 1901 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR3-3-T02N-PLTG | 1.00 | 1905 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR3-3-T02N-PLTG | 1.00 | 1909 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR3-3-T03N-PLTF | 1.00 | 1913 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR3TR3-3-T03N-PLTF | 1.00 | 1917 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR2TR1-1-T04N-PLTS | 1.00 | 1921 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR2TR1-1-T04N-PLTS | 1.00 | 1924 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR2TR1-1-T03N-PLTF | 1.00 | 1928 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR2TR1-1-T03N-PLTF | 1.00 | 1932 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CCV | 1.00 | 1936 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CCB | 1.00 | 1940 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR2TR1-2-T02N-PLTG | 1.00 | 1944 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |
| CVR2TR1-2-T02N-PLTG | 1.00 | 1948 | | | | | | | | | | | | | | | | | | | | | | | | | | | * | | |

Form XIV - IN

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137210
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/26/2010 End Date: 5/26/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K I | S E | A G | N A | T L | V L | Z N | C N | | | | |
| CVR2TR1-2-T03N-PLTF | 1.00 | 1951 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CVR2TR1-2-T03D-PLTF | 1.00 | 1955 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CVR2TR1-2-T03N-PLTF | 1.00 | 1959 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CVR2TR1-2-T03D-PLTF | 1.00 | 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| EQBLK01 | 1.00 | 2007 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CCV | 1.00 | 2011 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |
| CCB | 1.00 | 2015 | | | | | | | | | | | | | | | | | | | | | | | | | | * | | | |

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137210
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/26/2010 End Date: 5/26/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| S0 | 1.00 | 17:24 | | | | | X | | | | | | | | | | | | |
| STD7 | 1.00 | 17:28 | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 17:32 | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 17:36 | | | | | X | | | | | | | | | | | | |
| ICV | 1.00 | 17:40 | | | | | X | | | | | | | | | | | | |
| ICB | 1.00 | 17:44 | | | | | X | | | | | | | | | | | | |
| ICSA | 1.00 | 17:48 | | | | | X | | | | | | | | | | | | |
| ICSAB | 1.00 | 17:51 | | | | | X | | | | | | | | | | | | |
| CRI | 1.00 | 17:55 | | | | | X | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 17:59 | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 18:03 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 18:07 | | | | | X | | | | | | | | | | | | |
| PBS052610D | 1.00 | 18:11 | | | | | X | | | | | | | | | | | | |
| LCSS052610D | 1.00 | 18:15 | | | | | X | | | | | | | | | | | | |
| CVR3TR11T04NPLTSBW | 1.00 | 18:18 | | | | | X | | | | | | | | | | | | |
| CVR3TR11T04NPLTSBW | 5.00 | 18:22 | | | | | X | | | | | | | | | | | | |
| CVR3TR11T04NPLTSBW | 1.00 | 18:26 | | | | | X | | | | | | | | | | | | |
| CVR3TR11T04NPLTSBW | 1.00 | 18:30 | | | | | X | | | | | | | | | | | | |
| CVR3TR11T03NPLTSBW | 1.00 | 18:34 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-2-T02N-PLT | 1.00 | 18:38 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-2-T04N-PLT | 1.00 | 18:42 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-2-T04D-PLT | 1.00 | 18:46 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 18:50 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 18:53 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-2-T04N-PLT | 1.00 | 18:57 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-2-T04D-PLT | 1.00 | 19:01 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-3-T02N-PLT | 1.00 | 19:05 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-3-T02N-PLT | 1.00 | 19:09 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-3-T03N-PLT | 1.00 | 19:13 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-3-T03N-PLT | 1.00 | 19:17 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T04N-PLT | 1.00 | 19:21 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T04N-PLT | 1.00 | 19:24 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T03N-PLT | 1.00 | 19:28 | | | | | X | | | | | | | | | | | | |
| CVR2TR1-1-T03N-PLT | 1.00 | 19:32 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 19:36 | | | | | X | | | | | | | | | | | | |

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137210
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/26/2010 End Date: 5/26/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|--|--|--|--|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I | | | | |
| CCB | 1.00 | 19:40 | | | | | X | | | | | | | | | | | | | | | | |
| CVR2TR1-2-T02N-PLT | 1.00 | 19:44 | | | | | X | | | | | | | | | | | | | | | | |
| CVR2TR1-2-T02N-PLT | 1.00 | 19:48 | | | | | X | | | | | | | | | | | | | | | | |
| CVR2TR1-2-T03N-PLT | 1.00 | 19:51 | | | | | X | | | | | | | | | | | | | | | | |
| CVR2TR1-2-T03D-PLT | 1.00 | 19:55 | | | | | X | | | | | | | | | | | | | | | | |
| CVR2TR1-2-T03N-PLT | 1.00 | 19:59 | | | | | X | | | | | | | | | | | | | | | | |
| CVR2TR1-2-T03D-PLT | 1.00 | 20:03 | | | | | X | | | | | | | | | | | | | | | | |
| EQBLK01 | 1.00 | 20:07 | | | | | X | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 20:11 | | | | | X | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 20:15 | | | | | X | | | | | | | | | | | | | | | | |



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: JSW

Date: 5/26/2010

Reviewed by: JES

Date: 5/27/10

QC Review by: BAM

Date: 05/27/10

TJA ICAP 7

ICP METALS 6010 B *

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis Date | Time | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----------------|---------------|----------|----|--------|---------------|------------|------------------|
| 1. CalibStd-Blk | 5/26/2010 | 17:24:39 | 1 | WATER | 052610-02.txt | | trmo |
| 2. STD7 | 5/26/2010 | 17:28:32 | 1 | WATER | 052610-02.txt | | |
| 3. STD8 | 5/26/2010 | 17:32:23 | 1 | WATER | 052610-02.txt | | |
| 4. STD4 | 5/26/2010 | 17:36:20 | 1 | WATER | 052610-02.txt | | |
| 5. ICV1 | 5/26/2010 | 17:40:20 | 1 | WATER | 052610-02.txt | | |
| 6. ICB1 | 5/26/2010 | 17:44:15 | 1 | WATER | 052610-02.txt | | |
| 7. ICSA1 | 5/26/2010 | 17:48:09 | 1 | WATER | 052610-02.txt | | |
| 8. ICSAB1 | 5/26/2010 | 17:51:58 | 1 | WATER | 052610-02.txt | | |
| 9. CRI1 | 5/26/2010 | 17:55:46 | 1 | WATER | 052610-02.txt | | |
| 10. LRV | 5/26/2010 | 17:59:37 | 1 | WATER | 052610-02.txt | | |
| 11. CCV1 | 5/26/2010 | 18:03:28 | 1 | WATER | 052610-02.txt | | |
| 12. CCB1 | 5/26/2010 | 18:07:17 | 1 | WATER | 052610-02.txt | | |
| 13. PBS052610D | 5/26/2010 | 18:11:11 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 14. LCSS052610D | 5/26/2010 | 18:15:06 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 15. 829287 | 5/26/2010 | 18:18:59 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 16. 829287L | 5/26/2010 | 18:22:53 | 5 | WATER | 052610-02.txt | PBICPS0526 | |
| 17. 829287A | 5/26/2010 | 18:26:47 | 1 | WATER | 052610-02.txt | PBICPS0526 | |
| 18. 829287MS | 5/26/2010 | 18:30:42 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 19. 829287DP | 5/26/2010 | 18:34:37 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 20. 829288 | 5/26/2010 | 18:38:29 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 21. 829289 | 5/26/2010 | 18:42:20 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 22. 829290 | 5/26/2010 | 18:46:12 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 23. CCV2 | 5/26/2010 | 18:50:03 | 1 | WATER | 052610-02.txt | | |
| 24. CCB2 | 5/26/2010 | 18:53:51 | 1 | WATER | 052610-02.txt | | |
| 25. 829291 | 5/26/2010 | 18:57:44 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 26. 829292 | 5/26/2010 | 19:01:35 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 27. 829293 | 5/26/2010 | 19:05:27 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 28. 829294 | 5/26/2010 | 19:09:19 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 29. 829295 | 5/26/2010 | 19:13:10 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 30. 829296 | 5/26/2010 | 19:17:09 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 31. 829297 | 5/26/2010 | 19:21:02 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 32. 829298 | 5/26/2010 | 19:24:55 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 33. 829299 | 5/26/2010 | 19:28:47 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 34. 829300 | 5/26/2010 | 19:32:40 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 35. CCV3 | 5/26/2010 | 19:36:33 | 1 | WATER | 052610-02.txt | | |
| 36. CCB3 | 5/26/2010 | 19:40:22 | 1 | WATER | 052610-02.txt | | |
| 37. 829301 | 5/26/2010 | 19:44:18 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 38. 829302 | 5/26/2010 | 19:48:09 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 39. 829303 | 5/26/2010 | 19:51:59 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 40. 829304 | 5/26/2010 | 19:55:58 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 41. 829305 | 5/26/2010 | 19:59:56 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 42. 829306 | 5/26/2010 | 20:03:50 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 43. 829307 | 5/26/2010 | 20:07:49 | 1 | SOIL | 052610-02.txt | PBICPS0526 | |
| 44. CCV4 | 5/26/2010 | 20:11:43 | 1 | WATER | 052610-02.txt | | |
| 45. CCB4 | 5/26/2010 | 20:15:32 | 1 | WATER | 052610-02.txt | | |

Analytical Review Report

Date Printed: 5/27/10

Data File: 052610-02.txt

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

Analysis Start Date: 5/26/2010

Start Time: 17:24:3

ICP METALS 6010

Analysis End Date: 5/26/2010

End Time: 20:15:3

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|----------|--------|-------|-------|-----|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 124.20 | 0.0000 | | | | |
| STD4 | 1 | | 0.800 | 0.000 | 0.000 | 0.33 | 0.80 | | | | |
| ICV1 | 1 | PASS | 526.100 | 523.700 | 528.500 | 0.65 | 526.10 | 105.2 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 2.410 | 2.844 | 1.976 | 25.48 | 2.4 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | -0.492 | -0.035 | -0.950 | 131.50 | 0 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 976.500 | 974.500 | 978.500 | 0.29 | 976.5 | 99.0 | 986 | 80 | 120 |
| CRI1 | 1 | PASS | 12.990 | 13.420 | 12.550 | 4.70 | 12.99 | 129.9 | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 195.300 | 194.100 | 196.400 | 0.83 | 195.30 | 97.6 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.605 | 0.862 | 0.348 | 60.03 | 0.6 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 194.300 | 193.900 | 194.600 | 0.24 | 194.30 | 97.2 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.426 | 0.727 | 0.124 | 100.30 | 0.4 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 193.900 | 193.000 | 194.700 | 0.62 | 193.90 | 97.0 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | -0.001 | 0.084 | -0.086 | 12040.00 | 0.0 | | | | +/-10.00 |
| CCV4 | 1 | PASS | 193.700 | 193.800 | 193.600 | 0.07 | 193.70 | 96.8 | 200.0 | 90 | 110 |
| CCB4 | 1 | PASS | 0.542 | 0.737 | 0.347 | 50.85 | 0.5 | | | | +/-10.00 |

Quality Control and Field Samples

| | | | | | | | | | | | |
|-------------|---|------|---------|---------|---------|--------|----------|-------|--------|------|----------|
| LRV | 1 | PASS | -0.331 | 0.041 | -0.702 | 158.80 | -0.33 | | | | |
| PBS052610D | 1 | PASS | 0.301 | 0.329 | 0.273 | 13.23 | 0.027 | | | | +/-10.00 |
| LCSS052610D | 1 | PASS | 500.400 | 500.200 | 500.700 | 0.06 | 50.0 | 100.0 | 50.0 | 40.0 | 60.0 |
| 829287 | 1 | PASS | 209.500 | 210.200 | 208.800 | 0.48 | 51.4 | | | | |
| 829287L | 5 | PASS | 203.900 | 205.000 | 202.700 | 0.82 | 203.90 | | | | |
| 829287A | 1 | PASS | 700.300 | 700.200 | 700.400 | 0.02 | 700.30 | 98.2 | 500.0 | 80 | 120 |
| 829287MS | 1 | PASS | 722.500 | 722.900 | 722.000 | 0.09 | 179.8606 | 103.2 | 124.47 | 80 | 120 |
| 829287DP | 1 | PASS | 165.700 | 165.500 | 165.800 | 0.15 | 46.2281 | | | | |
| 829288 | 1 | PASS | 171.500 | 171.900 | 171.100 | 0.32 | 53.7 | | | | |
| 829289 | 1 | PASS | 120.600 | 120.600 | 120.700 | 0.06 | 32.5 | | | | |
| 829290 | 1 | PASS | 144.600 | 144.400 | 144.700 | 0.17 | 39.6 | | | | |
| 829291 | 1 | PASS | 582.300 | 581.600 | 582.900 | 0.16 | 158 | | | | |
| 829292 | 1 | PASS | 340.400 | 340.400 | 340.400 | 0.01 | 102 | | | | |
| 829293 | 1 | PASS | 421.500 | 420.000 | 422.900 | 0.48 | 121 | | | | |
| 829294 | 1 | PASS | 284.500 | 283.500 | 285.500 | 0.49 | 74.3 | | | | |
| 829295 | 1 | PASS | 354.600 | 354.100 | 355.100 | 0.20 | 194 | | | | |
| 829296 | 1 | PASS | 841.900 | 842.400 | 841.500 | 0.08 | 435 | | | | |
| 829297 | 1 | PASS | 68.240 | 68.930 | 67.560 | 1.42 | 18.0 | | | | |
| 829298 | 1 | PASS | 350.100 | 350.500 | 349.700 | 0.17 | 108 | | | | |
| 829299 | 1 | PASS | 130.200 | 130.000 | 130.500 | 0.25 | 48.4 | | | | |
| 829300 | 1 | PASS | 308.400 | 308.800 | 308.000 | 0.19 | 67.7 | | | | |
| 829301 | 1 | PASS | 236.500 | 236.200 | 236.900 | 0.21 | 49.0 | | | | |
| 829302 | 1 | PASS | 215.500 | 215.700 | 215.400 | 0.11 | 56.3 | | | | |
| 829303 | 1 | PASS | 222.500 | 221.600 | 223.400 | 0.58 | 89.8 | | | | |
| 829304 | 1 | PASS | 205.200 | 204.300 | 206.200 | 0.65 | 87.7 | | | | |
| 829305 | 1 | PASS | 419.900 | 419.300 | 420.500 | 0.20 | 113 | | | | |
| 829306 | 1 | PASS | 370.500 | 370.700 | 370.400 | 0.05 | 93.4 | | | | |
| 829307 | 1 | PASS | 0.266 | 0.519 | 0.013 | 134.50 | 0.027 | | | | |

0.47
 * 50,000
 * BAA052710

Sample Name: CalibStd-Blk Acquired: 5/26/2010 17:24:39 Type: Cal
 Method: 6010B(v59) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0108 | -0.011 | .0006 | .0007 | .0000 |
| Stddev | .0018 | .0006 | .0004 | .0003 | .000 |
| %RSD | 16.32 | 57.75 | 73.57 | 41.91 | 373.1 |
| #1 | -0.0095 | -0.0015 | .0003 | .0009 | .0000 |
| #2 | -0.0120 | -0.0006 | .0009 | .0005 | -0.001 |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0013 | .0006 | -0.0041 | -0.0036 | -0.004 |
| Stddev | .0014 | .0005 | .0002 | .0001 | .0002 |
| %RSD | 111.4 | 76.58 | 5.404 | 1.504 | 39.18 |
| #1 | -0.0023 | .0003 | -0.0043 | -0.0036 | -0.0003 |
| #2 | -0.0003 | .0010 | -0.0040 | -0.0035 | -0.0005 |
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0897 | -0.0077 | -0.0302 | .0000 | .0046 |
| Stddev | .0002 | .0011 | .0007 | .001 | .0026 |
| %RSD | .2087 | 14.28 | 2.462 | 1976. | 56.04 |
| #1 | .0898 | -0.0069 | -0.0307 | .0004 | .0064 |
| #2 | .0895 | -0.0084 | -0.0296 | -0.0005 | .0028 |

Sample Name: CalibStd-Blk Acquired: 5/26/2010 17:24:39 Type: Cal
 Method: 6010B(v59) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|---------------|----------------|----------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_-LWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0000 | -0.0269 | .0046 | -0.0003 | -0.135 |
| Stddev | .0001 | .0010 | .0004 | .0002 | .0006 |
| %RSD | 124.2 | 3.702 | 9.033 | 55.81 | 4.678 |
| #1 | .0001 | -0.0262 | .0043 | -0.0004 | -0.140 |
| #2 | .0000 | -0.0276 | .0049 | -0.0002 | -0.131 |
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_-LWAX) | (Y_-LWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0000 | .0020 | .1271 | .0002 | .0150 |
| Stddev | .0001 | .0001 | .0024 | .0000 | .0006 |
| %RSD | 557.6 | 3.037 | 1.927 | 14.74 | 3.913 |
| #1 | -0.0001 | .0020 | .1288 | .0003 | .0145 |
| #2 | .0001 | .0021 | .1254 | .0002 | .0154 |
| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_-LWAX) | |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | |
| Avg | -0.0133 | -0.0026 | -0.0018 | .0029 | |
| Stddev | .0026 | .0010 | .0047 | .0003 | |
| %RSD | 19.73 | 38.23 | 262.8 | 9.928 | |
| #1 | -0.0152 | -0.0019 | .0015 | .0031 | |
| #2 | -0.0115 | -0.0033 | -0.0051 | .0027 | |

Sample Name: CalibStd-Blk Acquired: 5/26/2010 17:24:39 Type: Cal
 Method: 6010B(v59) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306 | Y_HWAX | Y_-LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 377.04 | 3459.5 | 3794.7 | 5288.2 |
| Stddev | .75 | 16.4 | .7 | 34.9 |
| %RSD | .19809 | .47340 | .01927 | .65922 |
| #1 | 377.57 | 3447.9 | 3794.2 | 5312.8 |
| #2 | 376.51 | 3471.1 | 3795.2 | 5263.5 |

Analyst: JSW

Sample Name: STD7 Acquired: 5/26/2010 17:28:32 Type: Cal
 Method: 6010B(v59) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 (85) | 318.128 (106) | 271.441 (124)2 | 766.490 (44) | 279.079 (121) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.962 | .8887 | 10.45 | 1.899 | 1.033 |
| Stddev | .009 | .0011 | .03 | .002 | .001 |
| %RSD | .3044 | .1251 | .3124 | .1133 | .0526 |
| #1 | 2.956 | .8879 | 10.43 | 1.900 | 1.033 |
| #2 | 2.969 | .8895 | 10.48 | 1.897 | 1.033 |

| | |
|--------|---------------|
| Elem | Na-LL |
| Line | 589.592 (57) |
| IS Ref | (Y_HWRD) |
| Units | Cts/S |
| Avg | 6.462 |
| Stddev | .001 |
| %RSD | .0118 |
| #1 | 6.462 |
| #2 | 6.463 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_HWRD |
| Line | 224.306 (150) | 371.030 (91) |
| Units | Cts/S | Cts/S |
| Avg | 3375.3 | 5171.5 |
| Stddev | 19.5 | 21.6 |
| %RSD | .57763 | .41758 |
| #1 | 3389.1 | 5156.2 |
| #2 | 3361.5 | 5186.7 |

Sample Name: STD8 Acquired: 5/26/2010 17:32:23 Type: Cal
 Method: 6010B(v59) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 (479) | 220.353 (453) | 206.833 (463) | 196.090 (472) | 189.989 (477)2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0675 | 3.556 | .0804 | .0490 | .2020 |
| Stddev | .0002 | .019 | .0005 | .0001 | .0007 |
| %RSD | .3349 | .5234 | .6724 | .1493 | .3444 |
| #1 | .0677 | 3.569 | .0808 | .0490 | .2025 |
| #2 | .0674 | 3.542 | .0801 | .0491 | .2015 |

| | |
|--------|---------------|
| Elem | Tl-LL |
| Line | 190.856 (477) |
| IS Ref | (In2306) |
| Units | Cts/S |
| Avg | 1.024 |
| Stddev | .003 |
| %RSD | .3050 |
| #1 | 1.027 |
| #2 | 1.022 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | In2306 | Y_-LWAX |
| Line | 230.606 (446) | 224.306 (450) |
| Units | Cts/S | Cts/S |
| Avg | 380.21 | 3802.7 |
| Stddev | 2.49 | 8.4 |
| %RSD | .65542 | .22166 |
| #1 | 378.45 | 3796.7 |
| #2 | 381.98 | 3808.6 |

Sample Name: STD4 Acquired: 5/26/2010 17:36:20 Type: Cal
 Method: 6010B(v59) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | B-LL | Ba-LL | Be-LL | Cd-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 208.959 (461) | 233.527 (144) | 313.042 (108) | 228.802 (447) |
| IS Ref | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.278 | .3620 | .0955 | 2.732 | .4092 |
| Stddev | .009 | .0004 | .0002 | .012 | .0001 |
| %RSD | .3980 | .1198 | .1667 | .4504 | .0273 |
| #1 | 2.284 | .3617 | .0956 | 2.741 | .4092 |
| #2 | 2.271 | .3623 | .0954 | 2.723 | .4091 |

| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
|--------|---------------|---------------|----------------|----------------|---------------|
| Line | 228.616 (447) | 205.552 (464) | 324.754 (104)2 | 257.610 (131)2 | 202.030 (467) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.018 | 1.649 | 7.010 | 25.66 | .8002 |
| Stddev | .001 | .002 | .014 | .06 | .0027 |
| %RSD | .0529 | .0934 | .1964 | .2180 | .3329 |
| #1 | 1.019 | 1.648 | 7.020 | 25.70 | .7983 |
| #2 | 1.018 | 1.651 | 7.000 | 25.63 | .8021 |

| Elem | Ni-LL | P-HL | Si-LL | Sr-LL | Ti-LL |
|--------|---------------|---------------|---------------|--------------|----------------|
| Line | 231.604 (445) | 178.284 (489) | 288.158 (117) | 407.771 (83) | 334.904 (101)2 |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .6312 | .0935 | 5.015 | 56.63 | 5.224 |
| Stddev | .0003 | .0000 | .019 | .49 | .014 |
| %RSD | .0479 | .0365 | .3821 | .8648 | .2648 |
| #1 | .6314 | .0934 | 5.029 | 56.28 | 5.234 |
| #2 | .6310 | .0935 | 5.001 | 56.97 | 5.214 |

Sample Name: STD4 Acquired: 5/26/2010 17:36:20 Type: Cal
 Method: 6010B(v59) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | V-LL | Zn-LL |
|--------|----------------|---------------|
| Line | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S |
| Avg | 3.939 | 3.881 |
| Stddev | .003 | .001 |
| %RSD | .0647 | .0205 |
| #1 | 3.941 | 3.881 |
| #2 | 3.937 | 3.882 |

| Int. Std. | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|--------------|
| Line | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 3436.0 | 3772.7 | 5258.3 |
| Stddev | 6 | 1.9 | 3.8 |
| %RSD | .01772 | .05048 | .07209 |
| #1 | 3435.6 | 3771.3 | 5260.9 |
| #2 | 3436.5 | 3774.0 | 5255.6 |

Sample Name: ICV Acquired: 5/26/2010 17:40:20 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 505.3 | 26160. | 261.8 | 509.4 | 496.9 |
| Stddev | 1.5 | 93. | 3.7 | 2.7 | 3.2 |
| %RSD | .3011 | .3543 | 1.404 | .5339 | .6389 |
| #1 | 504.3 | 26100. | 259.2 | 507.5 | 494.6 |
| #2 | 506.4 | 26230. | 264.4 | 511.3 | 499.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (106) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 513.2 | 25430. | 491.2 | 491.6 | 495.4 |
| Stddev | .3 | 87. | .0 | 1.1 | .4 |
| %RSD | .0619 | .3419 | .0054 | .2161 | .0876 |
| #1 | 513.5 | 25490. | 491.2 | 490.8 | 495.1 |
| #2 | 513.0 | 25370. | 491.2 | 492.3 | 495.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/26/2010 17:40:20 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 494.6 | 25750. | 25920. | 24950. | 487.7 |
| Stddev | 1.2 | 29. | 43. | 148. | .6 |
| %RSD | .2501 | .1128 | .1655 | .5929 | .1304 |
| #1 | 493.7 | 25770. | 25950. | 24840. | 487.3 |
| #2 | 495.5 | 25730. | 25890. | 25050. | 488.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 526.1 | 25090. | 480.4 | 524.5 | 1001. |
| Stddev | 3.4 | 66. | .1 | 1.2 | 2. |
| %RSD | .6453 | .2625 | .0141 | .2299 | .1825 |
| #1 | 523.7 | 25040. | 480.3 | 525.4 | 1003. |
| #2 | 528.5 | 25130. | 480.4 | 523.7 | 1000. |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/26/2010 17:40:20 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 259.0 | 260.1 | 274.4 | 229.8 | 499.1 |
| Stddev | 2.1 | 1.2 | 2.0 | 1.3 | 2.4 |
| %RSD | .8138 | .4491 | .7303 | .5538 | .4768 |
| #1 | 257.5 | 260.9 | 275.9 | 230.7 | 500.8 |
| #2 | 260.5 | 259.3 | 273.0 | 228.9 | 497.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 515.5 | 250.2 | 513.3 | 510.4 |
| Stddev | .6 | .8 | .4 | .1 |
| %RSD | .1099 | .3354 | .0716 | .0274 |
| #1 | 515.1 | 250.8 | 513.5 | 510.3 |
| #2 | 515.9 | 249.6 | 513.0 | 510.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/26/2010 17:40:20 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 364.38 | 3377.8 | 3725.1 | 5209.9 |
| Stddev | 1.02 | 4.8 | 3.9 | 3.1 |
| %RSD | .27975 | .14119 | .10424 | .06003 |
| #1 | 363.66 | 3374.5 | 3722.3 | 5207.7 |
| #2 | 365.10 | 3381.2 | 3727.8 | 5212.1 |

Sample Name: ICB Acquired: 5/26/2010 17:44:15 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5621 | 10.27 | .4435 | 1.111 | -2.051 |
| Stddev | .3841 | 15.52 | 1.107 | .095 | 1.489 |
| %RSD | 68.33 | 151.2 | 249.7 | 8.576 | 72.61 |

#1 .8337 21.25 -.3394 1.044 -3.104
 #2 .2905 -.7082 1.227 1.179 -.9981

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1718 | .4823 | .1049 | -.3502 | .2155 |
| Stddev | .0373 | 11.12 | .5935 | .3983 | .0754 |
| %RSD | 21.70 | 2305. | 565.7 | 113.7 | 34.98 |

#1 .1454 -7.378 -.3148 -.0686 .2688
 #2 .1982 8.342 .5246 -.6318 .1622

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/26/2010 17:44:15 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0189 | -7.071 | 137.2 | 1.330 | .2047 |
| Stddev | 1.070 | 2.460 | 17.7 | 22.53 | .0943 |
| %RSD | 5669. | 34.79 | 12.87 | 1694. | 46.05 |

#1 -.7380 -5.331 124.7 17.26 .2713
 #2 .7758 -8.810 149.7 -14.60 .1380

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.410 | -9.429 | -.3218 | .0631 | -.3723 |
| Stddev | .614 | 3.770 | .1042 | .2021 | .7598 |
| %RSD | 25.48 | 39.98 | 32.38 | 320.3 | 204.1 |

#1 2.844 -12.09 -.2481 -.0798 -.9096
 #2 1.976 -6.763 -.3955 .2060 .1650

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/26/2010 17:44:15 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0457 | -.7703 | .8753 | .6541 | .1888 |
| Stddev | 3.426 | 2.636 | .9725 | .8636 | .0668 |
| %RSD | 7493. | 342.2 | 111.1 | 132.0 | 35.39 |

#1 -2.377 1.094 .1877 1.265 .2360
 #2 2.468 -2.634 1.563 .0434 .1415

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0735 | 1.615 | .1819 | .2556 |
| Stddev | .0177 | .643 | .5824 | .1183 |
| %RSD | 24.13 | 39.83 | 320.1 | 46.27 |

#1 -.0860 1.160 .5938 .3392
 #2 -.0609 2.069 -.2299 .1720

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/26/2010 17:44:15 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 375.11 | 3424.2 | 3763.3 | 5224.8 |
| Stddev | .28 | 6.1 | 9.4 | 12.6 |
| %RSD | .07441 | .17777 | .24968 | .24090 |

#1 375.31 3419.9 3756.7 5215.9
 #2 374.91 3428.5 3770.0 5233.7

UCL
 LCL

4892.29
 2634.31

Sample Name: ICSA Acquired: 5/26/2010 17:48:09 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.959 | 496200. | -1.331 | -0.047 | 2.401 |
| Stddev | 1.093 | 1191. | 1.597 | 1.005 | 1.227 |
| %RSD | 55.78 | .2401 | 120.0 | 2250. | 51.12 |
| #1 | -1.186 | 497000. | -2.017 | -7553 | 1.533 |
| #2 | -2.732 | 495300. | -2.460 | .6660 | 3.269 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.324 | 480100. | 3.263 | 1.743 | 8.063 |
| Stddev | .0721 | 872. | .410 | .152 | .198 |
| %RSD | 54.47 | .1817 | 12.56 | 8.730 | 2.457 |
| #1 | -1.834 | 480700. | 2.973 | 1.850 | 8.203 |
| #2 | -.0814 | 479400. | 3.552 | 1.635 | 7.923 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/26/2010 17:48:09 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9716 | 191300. | 39.65 | 478300. | 1.299 |
| Stddev | .1319 | 1119. | 25.96 | 749. | .056 |
| %RSD | 13.57 | .5846 | 65.47 | .1566 | 4.313 |
| #1 | 1.065 | 192100. | 58.01 | 478800. | 1.339 |
| #2 | .8783 | 190500. | 21.30 | 477800. | 1.260 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4923 | -11.51 | -8.210 | 1.200 | 6.595 |
| Stddev | .6473 | 4.64 | .011 | .569 | 1.566 |
| %RSD | 131.5 | 40.30 | .1365 | 47.42 | 23.74 |
| #1 | -.0346 | -8.229 | -8.202 | .7978 | 7.702 |
| #2 | -.9500 | -14.79 | -8.218 | 1.603 | 5.488 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/26/2010 17:48:09 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.92 | -5.847 | 18.15 | -4.430 | 16.22 |
| Stddev | 4.62 | 5.750 | 2.88 | .3800 | .12 |
| %RSD | 42.29 | 98.34 | 15.88 | 85.77 | .7624 |
| #1 | -14.19 | -1.781 | 20.19 | -1.743 | 16.31 |
| #2 | -7.654 | -9.912 | 16.11 | -7.117 | 16.13 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.808 | 4.928 | -3.918 | -5.632 |
| Stddev | .474 | 5.297 | 1.008 | .006 |
| %RSD | 6.963 | 107.5 | 25.73 | .1160 |
| #1 | 7.144 | 1.182 | -3.205 | -5.627 |
| #2 | 6.473 | 8.673 | -4.631 | -5.636 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/26/2010 17:48:09 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 323.32 | 3150.6 | 3476.7 | 5067.0 |
| Stddev | 2.53 | 9.3 | 20.6 | 25.8 |
| %RSD | .78225 | .29502 | .59306 | .50941 |
| #1 | 321.54 | 3144.0 | 3462.1 | 5048.8 |
| #2 | 325.11 | 3157.2 | 3491.3 | 5085.3 |

Sample Name: ICSAB Acquired: 5/26/2010 17:51:58 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.6 | 487300. | 89.53 | 1443. | 458.2 |
| Stddev | .4 | 818. | 2.40 | 1. | .2 |
| %RSD | .1970 | .1680 | 2.684 | .0719 | .0491 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 196.9 | 487900. | 91.23 | 1442. | 458.0 |
| #2 | 196.3 | 486700. | 87.83 | 1443. | 458.3 |

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 482.0 | 470900. | 959.7 | 450.6 | 473.8 |
| Stddev | .2 | 52. | .0 | .5 | .8 |
| %RSD | .0339 | .0111 | .0032 | .1209 | .1604 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 481.9 | 470800. | 959.7 | 450.2 | 474.4 |
| #2 | 482.1 | 470900. | 959.7 | 451.0 | 473.3 |

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | |
| Range | | | | | |

Sample Name: ICSAB Acquired: 5/26/2010 17:51:58 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 509.1 | 189800. | -2.541 | 466300. | 466.4 |
| Stddev | .9 | 49. | 81.27 | 592. | .8 |
| %RSD | .1674 | .0257 | 3198. | .1269 | .1775 |

| | | | | | |
|----|-------|---------|--------|---------|-------|
| #1 | 509.7 | 189800. | -60.01 | 466700. | 467.0 |
| #2 | 508.5 | 189800. | 54.92 | 465900. | 465.8 |

| | | | | | |
|---------|----------|----------|------|------|----------|
| Check ? | Chk Pass | Chk Pass | None | None | Chk Pass |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | {In2306} |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 976.5 | -4.909 | 877.9 | 494.5 | 50.75 |
| Stddev | 2.8 | 3.093 | .4 | 2.0 | .15 |
| %RSD | .2897 | 63.01 | .0412 | .4086 | .2965 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 974.5 | -2.722 | 878.2 | 495.9 | 50.86 |
| #2 | 978.5 | -7.096 | 877.7 | 493.0 | 50.64 |

| | | | | | |
|---------|----------|------|----------|----------|----------|
| Check ? | Chk Pass | None | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | |
| Range | | | | | |

Sample Name: ICSAB Acquired: 5/26/2010 17:51:58 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 572.7 | F 31.38 | 1031. | 1381. | 248.8 |
| Stddev | 1.5 | 2.17 | 2. | 4. | 2.3 |
| %RSD | .2551 | 6.915 | .2125 | .2680 | .9392 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 573.7 | 32.92 | 1033. | 1378. | 250.4 |
| #2 | 571.7 | 29.85 | 1030. | 1384. | 247.1 |

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| Value | | 41.00 | | | |
| Range | | -20.00% | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | {In2306} | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 495.6 | 95.82 | 499.6 | 959.8 |
| Stddev | .9 | 2.67 | .1 | 1.1 |
| %RSD | .1825 | 2.785 | .0171 | .1122 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 496.3 | 93.93 | 499.5 | 960.5 |
| #2 | 495.0 | 97.70 | 499.6 | 959.0 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | |
| Range | | | | |

Sample Name: ICSAB Acquired: 5/26/2010 17:51:58 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 321.88 | 3153.5 | 3471.0 | 5097.7 |
| Stddev | .20 | 5.6 | 11.5 | 45.0 |
| %RSD | .06068 | .17723 | .33078 | .88278 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 322.02 | 3149.6 | 3462.8 | 5065.9 |
| #2 | 321.74 | 3157.5 | 3479.1 | 5129.6 |

Sample Name: CRI Acquired: 5/26/2010 17:55:46 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.884 | 248.6 | 9.627 | 98.60 | 190.0 |
| Stddev | 4.86 | 30.4 | 1.706 | .17 | 3.8 |
| %RSD | 4.917 | 12.25 | 17.72 | .1692 | 1.999 |
| #1 | 10.23 | 227.0 | 10.83 | 98.72 | 187.3 |
| #2 | 9.540 | 270.1 | 8.421 | 98.49 | 192.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.802 | 5034. | 3.895 | 47.20 | 9.798 |
| Stddev | .284 | 29. | 6.13 | .45 | .024 |
| %RSD | 5.923 | .5763 | 15.73 | .9610 | .2403 |
| #1 | 5.003 | 5014. | 4.328 | 46.88 | 9.781 |
| #2 | 4.601 | 5055. | 3.462 | 47.52 | 9.815 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/26/2010 17:55:46 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 22.72 | 215.4 | 5144. | 4997. | 14.63 |
| Stddev | .95 | .6 | 127. | 42. | .00 |
| %RSD | 4.183 | .2896 | 2.465 | .8375 | .0291 |
| #1 | 22.05 | 215.0 | 5234. | 4967. | 14.62 |
| #2 | 23.39 | 215.9 | 5055. | 5026. | 14.63 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.99 | 4954. | 37.85 | 250.4 | 12.87 |
| Stddev | .61 | 26. | .54 | .7 | .62 |
| %RSD | 4.702 | .5151 | 1.421 | .2622 | 4.795 |
| #1 | 13.42 | 4935. | 37.47 | 250.9 | 12.43 |
| #2 | 12.55 | 4972. | 38.23 | 249.9 | 13.31 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/26/2010 17:55:46 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 61.05 | 34.07 | 102.6 | 18.05 | 19.96 |
| Stddev | .52 | 1.66 | 1.0 | .89 | .12 |
| %RSD | .8565 | 4.883 | .9729 | 4.905 | .6033 |
| #1 | 61.42 | 35.25 | 103.3 | 18.68 | 20.05 |
| #2 | 60.68 | 32.90 | 101.9 | 17.42 | 19.88 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.18 | 24.68 | 49.07 | 20.35 |
| Stddev | .38 | .92 | .73 | .04 |
| %RSD | 1.900 | 3.741 | 1.484 | .1881 |
| #1 | 19.91 | 24.03 | 49.59 | 20.32 |
| #2 | 20.45 | 25.34 | 48.56 | 20.38 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/26/2010 17:55:46 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 376.36 | 3438.3 | 3782.1 | 5254.1 |
| Stddev | 2.33 | .4 | 2.9 | 19.4 |
| %RSD | .61877 | .01080 | .07571 | .36943 |
| #1 | 378.01 | 3438.0 | 3780.1 | 5240.4 |
| #2 | 374.72 | 3438.5 | 3784.1 | 5267.8 |

Sample Name: LRV Acquired: 5/26/2010 17:59:37 Type: QC
Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.586 | 575600. | 2018. | 7.880 | 3669. |
| Stddev | 1.292 | 361. | . | .0569 | 8. |
| %RSD | 49.97 | .0627 | .0090 | 7.241 | .2263 |

| | | | | | |
|----|--------|---------|-------|--------|-------|
| #1 | -1.672 | 575900. | 2018. | -8.263 | 3663. |
| #2 | -3.500 | 575400. | 2018. | -7.458 | 3675. |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1902. | 546800. | 1848. | 3545. | 3750. |
| Stddev | 3. | 140. | 6. | 3. | 6. |
| %RSD | .1395 | .0255 | .3480 | .0985 | .1696 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 1904. | 546700. | 1853. | 3543. | 3746. |
| #2 | 1900. | 546900. | 1844. | 3548. | 3755. |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | 4400. | |
| Low Limit | | | | 3600. | |

Sample Name: LRV Acquired: 5/26/2010 17:59:37 Type: QC
Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4346. | 279800. | 102100. | 543700. | 3654. |
| Stddev | 6. | 501. | 66. | 234. | 36. |
| %RSD | .1298 | .1791 | .0642 | .0431 | .9961 |

| | | | | | |
|----|-------|---------|---------|---------|-------|
| #1 | 4342. | 279400. | 102000. | 543900. | 3628. |
| #2 | 4350. | 280100. | 102100. | 543500. | 3680. |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3309 | 98100. | F 3473. | 2.023 | 3742. |
| Stddev | 5254 | 63. | 6. | 1.430 | 24. |
| %RSD | 158.8 | .0638 | .1741 | 70.70 | .6326 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | .0406 | 98140. | 3468. | 3.034 | 3725. |
| #2 | -.7024 | 98050. | 3477. | 1.012 | 3759. |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass |
| High Limit | | | 4400. | | |
| Low Limit | | | 3600. | | |

Sample Name: LRV Acquired: 5/26/2010 17:59:37 Type: QC
Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3905. | 1871. | 52.05 | 7.234 | 3.837 |
| Stddev | 18. | 5. | 2.72 | .2381 | .055 |
| %RSD | .4634 | .2546 | 5.215 | 32.92 | 1.429 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 3892. | 1868. | 50.13 | 8.918 | 3.876 |
| #2 | 3918. | 1874. | 53.97 | 5.550 | 3.798 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7.487 | 1876. | 3958. | 3896. |
| Stddev | .409 | 14. | 1. | 11. |
| %RSD | 5.465 | .7279 | .0238 | .2917 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 7.197 | 1867. | 3958. | 3888. |
| #2 | 7.776 | 1886. | 3959. | 3904. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: LRV Acquired: 5/26/2010 17:59:37 Type: QC
Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 324.72 | 3093.2 | 3385.2 | 5037.0 |
| Stddev | .93 | 15.2 | 2.1 | 36.8 |
| %RSD | .28687 | .49165 | .06179 | .73143 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 325.38 | 3104.0 | 3383.7 | 5010.9 |
| #2 | 324.06 | 3082.5 | 3386.7 | 5063.0 |

Sample Name: CCV Acquired: 5/26/2010 18:03:28 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.75 | 29130. | 98.92 | 697.7 | 186.4 |
| Stddev | .74 | 93. | 1.23 | 2.6 | .5 |
| %RSD | .7609 | .3203 | 1.247 | .3684 | .2481 |
| #1 | 97.22 | 29070. | 99.80 | 695.9 | 186.0 |
| #2 | 98.27 | 29200. | 98.05 | 699.5 | 186.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.77 | 28800. | 93.16 | 186.9 | 191.1 |
| Stddev | .40 | 45. | .13 | 1.0 | .3 |
| %RSD | .4050 | .1575 | .1409 | .5208 | .1587 |
| #1 | 97.49 | 28830. | 93.06 | 186.2 | 190.9 |
| #2 | 98.05 | 28760. | 93.25 | 187.6 | 191.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/26/2010 18:03:28 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 189.0 | 29200. | 28930. | 28980. | 187.1 |
| Stddev | 1.4 | 35. | 96. | 51. | .2 |
| %RSD | .7221 | .1206 | .3313 | .1744 | .1284 |
| #1 | 189.9 | 29220. | 29000. | 28940. | 187.0 |
| #2 | 188.0 | 29170. | 28860. | 29010. | 187.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 195.3 | 29110. | 184.9 | 197.1 | 387.5 |
| Stddev | 1.6 | 99. | .6 | .5 | .4 |
| %RSD | .8257 | .3409 | .3178 | .2587 | .0916 |
| #1 | 194.1 | 29040. | 184.5 | 196.7 | 387.8 |
| #2 | 196.4 | 29180. | 185.3 | 197.5 | 387.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/26/2010 18:03:28 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 294.5 | 100.1 | 990.6 | 191.0 | 291.2 |
| Stddev | .3 | .7 | 2.2 | .1 | .2 |
| %RSD | .1128 | .7013 | .2179 | .0282 | .0651 |
| #1 | 294.3 | 99.61 | 989.1 | 191.0 | 291.1 |
| #2 | 294.7 | 100.6 | 992.2 | 190.9 | 291.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 389.9 | 101.4 | 197.0 | 195.1 |
| Stddev | .5 | .7 | 1.3 | .0 |
| %RSD | .1351 | .7318 | .6411 | .0217 |
| #1 | 389.5 | 102.0 | 196.1 | 195.1 |
| #2 | 390.3 | 100.9 | 197.8 | 195.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/26/2010 18:03:28 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 361.55 | 3361.8 | 3711.9 | 5193.4 |
| Stddev | 1.28 | 9.3 | 1.7 | 12.9 |
| %RSD | .35423 | .27553 | .04607 | .24760 |
| #1 | 360.65 | 3368.3 | 3713.1 | 5202.5 |
| #2 | 362.46 | 3355.2 | 3710.7 | 5184.4 |

Sample Name: CCB Acquired: 5/26/2010 18:07:17 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8564 | F 176.9 | 1.197 | 2.481 | 2.704 |
| Stddev | 1.001 | 2.1 | .030 | .1682 | 1.135 |
| %RSD | 116.9 | 1.167 | 2.474 | 67.77 | 41.99 |
| #1 | 1.564 | 178.4 | 1.218 | .3671 | 1.901 |
| #2 | .1486 | 175.5 | 1.177 | .1292 | 3.507 |

Check ? High Limit Low Limit
 Chk Pass Chk Fail 100.0 -100.0 Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4979 | 167.2 | -.2171 | .5278 | .9414 |
| Stddev | .1608 | 64.5 | .1867 | .3864 | .3073 |
| %RSD | 32.31 | 38.58 | 85.99 | 73.20 | 32.64 |
| #1 | .3841 | 212.8 | -.3491 | .8010 | .7241 |
| #2 | .6116 | 121.6 | -.0851 | .2546 | 1.159 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/26/2010 18:07:17 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8267 | 68.18 | 47.60 | 173.2 | .8852 |
| Stddev | .7739 | 10.30 | 35.83 | 25.0 | .0426 |
| %RSD | 93.61 | 15.10 | 75.28 | 14.43 | 4.808 |
| #1 | .2795 | 75.46 | 22.26 | 190.8 | .8551 |
| #2 | 1.374 | 60.90 | 72.93 | 155.5 | .9152 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6051 | 14.44 | .5033 | -.1760 | 1.628 |
| Stddev | .3633 | 16.79 | .2538 | .1966 | 2.679 |
| %RSD | 60.03 | 116.3 | 50.43 | 111.7 | 164.6 |
| #1 | .8620 | 26.31 | .3238 | -.0369 | 3.522 |
| #2 | .3482 | 2.566 | .6827 | -.3150 | -.2666 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/26/2010 18:07:17 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.509 | -.4157 | -2.625 | -.0954 | -.0170 |
| Stddev | 2.261 | 2.151 | 2.842 | .1301 | .0236 |
| %RSD | 64.43 | 517.4 | 108.3 | 136.4 | 138.6 |
| #1 | 1.910 | 1.105 | -4.634 | -.0034 | -.0337 |
| #2 | 5.107 | -1.937 | -.6151 | -.1874 | -.0003 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0671 | 1.021 | 1.468 | 1.004 |
| Stddev | .9968 | .902 | 1.011 | .009 |
| %RSD | 1486. | 88.36 | 68.89 | .9485 |
| #1 | .6378 | .3832 | .7528 | 1.011 |
| #2 | -.7719 | 1.660 | 2.183 | .9976 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/26/2010 18:07:17 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 377.48 | 3449.6 | 3776.4 | 5223.5 |
| Stddev | 1.48 | 6.2 | 2.6 | 3.4 |
| %RSD | .39113 | .17956 | .06929 | .06565 |
| #1 | 376.44 | 3445.3 | 3774.5 | 5226.0 |
| #2 | 378.53 | 3454.0 | 3778.2 | 5221.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: PBS052610D Acquired: 5/26/2010 18:11:11 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.591 | -19.73 | .4511 | .5767 | -.6954 |
| Stddev | .353 | 15.46 | 1.808 | .6262 | .0051 |
| %RSD | 22.16 | 78.34 | 400.9 | 108.6 | .7396 |

#1 1.841 -8.802 1.730 1.019 -.6918
 #2 1.342 -30.66 -.8277 .1339 -.6990

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0203 | -69.70 | -.3879 | -.6544 | .1905 |
| Stddev | .1783 | 4.15 | .0634 | .5016 | .0810 |
| %RSD | 876.5 | 5.951 | 16.35 | 76.66 | 42.51 |

#1 .1464 -66.77 -.4327 -1.009 .2477
 #2 -.1058 -72.63 -.3430 -.2997 .1332

Check ? None None None None None
 Value
 Range

Sample Name: PBS052610D Acquired: 5/26/2010 18:11:11 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2774 | 26.87 | 22.34 | 14.95 | .2615 |
| Stddev | .5906 | 3.03 | 55.06 | 31.91 | .0612 |
| %RSD | 212.9 | 11.26 | 246.4 | 213.5 | 23.42 |

#1 .1402 24.73 61.28 -7.614 .2182
 #2 -.6951 29.01 -16.59 37.51 .3048

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3008 | .1471 | -.2096 | 5.257 | 1.374 |
| Stddev | .0398 | 34.90 | .2859 | .850 | 1.190 |
| %RSD | 13.23 | 23720. | 136.4 | 16.17 | 86.61 |

#1 .3290 24.83 -.4117 4.656 .5325
 #2 .2727 -24.53 -.0074 5.858 2.215

Check ? None None None None None
 Value
 Range

Sample Name: PBS052610D Acquired: 5/26/2010 18:11:11 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.966 | -.5150 | 8.148 | 14.03 | -.0096 |
| Stddev | .586 | 7.113 | 4.751 | .32 | .0168 |
| %RSD | 19.77 | 1381. | 58.30 | 2.262 | 175.0 |

#1 2.552 4.514 4.789 13.81 -.0215
 #2 3.381 -5.545 11.51 14.25 .0023

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0030 | -.3892 | -.3581 | .9862 |
| Stddev | .0590 | 1.459 | .6832 | .0361 |
| %RSD | 1970. | 374.9 | 190.8 | 3.658 |

#1 -.0387 .6426 .1251 .9607
 #2 .0447 -1.421 -.8412 1.012

Check ? None None None None
 Value
 Range

Sample Name: PBS052610D Acquired: 5/26/2010 18:11:11 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 373.79 | 3427.4 | 3780.0 | 5252.1 |
| Stddev | .34 | 4.3 | 11.4 | 19.6 |
| %RSD | .09028 | .12598 | .30124 | .37361 |

#1 373.55 3430.4 3788.1 5266.0
 #2 374.03 3424.3 3772.0 5238.3

Sample Name: LCSS052610D Acquired: 5/26/2010 18:15:06 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 249.1 | 2132. | 241.0 | 473.0 | 1996. |
| Stddev | .9 | 12. | .3 | .6 | 13. |
| %RSD | .3488 | .5655 | .1372 | .1354 | .6565 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 249.7 | 2140. | 241.3 | 472.5 | 2005. |
| #2 | 248.5 | 2123. | 240.8 | 473.4 | 1987. |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 54.05 | 19740. | 233.2 | 448.2 | 211.2 |
| Stddev | .16 | 48. | .0 | .3 | .6 |
| %RSD | .2914 | .2431 | .0044 | .0573 | .2964 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 53.94 | 19780. | 233.2 | 448.0 | 210.8 |
| #2 | 54.16 | 19710. | 233.2 | 448.4 | 211.7 |

Check ?
 Value
 Range

Sample Name: LCSS052610D Acquired: 5/26/2010 18:15:06 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 261.1 | 1131. | 20220. | 19280. | 482.3 |
| Stddev | .6 | 1. | 188. | 12. | .1 |
| %RSD | .2342 | .1001 | .9281 | .0647 | .0246 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 260.7 | 1130. | 20350. | 19270. | 482.3 |
| #2 | 261.5 | 1131. | 20090. | 19290. | 482.2 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 500.4 | 19580. | 479.5 | 499.5 | 222.2 |
| Stddev | .3 | 114. | .5 | .2 | 2.8 |
| %RSD | .0618 | .5833 | .1074 | .0442 | 1.280 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 500.2 | 19660. | 479.2 | 499.4 | 224.2 |
| #2 | 500.7 | 19500. | 479.9 | 499.7 | 220.2 |

Check ?
 Value
 Range

Sample Name: LCSS052610D Acquired: 5/26/2010 18:15:06 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 462.4 | 240.0 | 491.5 | 513.1 | 486.5 |
| Stddev | 4.7 | 1.7 | .6 | .3 | 2.0 |
| %RSD | 1.020 | .7097 | .1153 | .0624 | .4105 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 459.1 | 238.8 | 491.1 | 512.9 | 487.9 |
| #2 | 465.8 | 241.2 | 491.9 | 513.4 | 485.1 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 495.8 | 249.6 | 499.8 | 489.8 |
| Stddev | 1.2 | 2.3 | .7 | .6 |
| %RSD | .2348 | .9367 | .1481 | .1185 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 496.6 | 248.0 | 499.2 | 489.4 |
| #2 | 495.0 | 251.3 | 500.3 | 490.2 |

Check ?
 Value
 Range

Sample Name: LCSS052610D Acquired: 5/26/2010 18:15:06 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 361.63 | 3349.7 | 3687.7 | 5127.5 |
| Stddev | .34 | 12.4 | 2.3 | 12.7 |
| %RSD | .09465 | .37143 | .06271 | .24672 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 361.87 | 3358.5 | 3686.0 | 5118.6 |
| #2 | 361.39 | 3340.9 | 3689.3 | 5136.5 |

Sample Name: 829287 Acquired: 5/26/2010 18:18:59 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7362 | 882.2 | 3.071 | 61.49 | 53.13 |
| Stddev | .4935 | 42.0 | 3.200 | .80 | 1.63 |
| %RSD | 67.03 | 4.764 | 104.2 | 1.305 | 3.072 |
| #1 | .3873 | 912.0 | 8079 | 62.06 | 54.28 |
| #2 | 1.085 | 852.5 | 5.333 | 60.92 | 51.98 |

Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1436 | 16970. | 1.242 | 1.039 | 2.902 |
| Stddev | .1367 | 110. | .369 | .233 | .272 |
| %RSD | 95.21 | .6473 | 29.68 | 22.45 | 9.380 |
| #1 | .0469 | 17050. | 1.503 | 1.204 | 2.709 |
| #2 | .2403 | 16890. | .9815 | .8741 | 3.094 |

Check ? None None None None None
 Value
 Range

Sample Name: 829287 Acquired: 5/26/2010 18:18:59 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 129.7 | 1012. | 62910. | 8578. | 145.5 |
| Stddev | .5 | .0470 | 90. | 4. | .2 |
| %RSD | .3787 | .1425 | .0447 | .1336 | |
| #1 | 130.1 | 1012. | 62970. | 8576. | 145.7 |
| #2 | 129.4 | 1013. | 62840. | 8581. | 145.4 |

Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 209.5 | 917.8 | 1.835 | 2172. | 7.082 |
| Stddev | 1.0 | 5.7 | .487 | 4. | .574 |
| %RSD | .4838 | .6222 | 26.56 | .1821 | 8.111 |
| #1 | 210.2 | 913.7 | 1.491 | 2169. | 7.488 |
| #2 | 208.8 | 921.8 | 2.180 | 2175. | 6.676 |

Check ? None None None None None
 Value
 Range

Sample Name: 829287 Acquired: 5/26/2010 18:18:59 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.823 | 7.553 | 1687. | 8.141 | 190.2 |
| Stddev | 2.180 | 1.474 | 4. | .310 | .7 |
| %RSD | 31.95 | 19.51 | 2408 | 3.813 | .3487 |
| #1 | 5.282 | 6.511 | 1684. | 8.361 | 190.7 |
| #2 | 8.365 | 8.594 | 1690. | 7.922 | 189.8 |

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWRD) | (in2306) | (Y_HWRD) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 24.66 | -1.194 | 15.11 | 206.3 |
| Stddev | .15 | .013 | .27 | .2 |
| %RSD | .6223 | 1.054 | 1.806 | .0762 |
| #1 | 24.77 | -1.203 | 15.30 | 206.2 |
| #2 | 24.55 | -1.185 | 14.92 | 206.4 |

Check ? None None None None
 Value
 Range

Sample Name: 829287 Acquired: 5/26/2010 18:18:59 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 365.33 | 3404.2 | 3745.2 | 5218.9 |
| Stddev | 1.49 | 5.5 | 12.0 | 25.7 |
| %RSD | .40719 | .16068 | .31944 | .49190 |
| #1 | 364.28 | 3400.3 | 3736.7 | 5200.7 |
| #2 | 366.38 | 3408.0 | 3753.6 | 5237.0 |

Check ? None None None None
 Value
 Range

Sample Name: 829287L Acquired: 5/26/2010 18:22:53 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.286 | 942.0 | -9.830 | 59.59 | 35.63 |
| Stddev | 1.259 | 80.9 | .974 | 3.80 | 6.47 |
| %RSD | 20.03 | 8.587 | 9.905 | 6.373 | 18.17 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 5.396 | 999.2 | -9.141 | 56.90 | 40.20 |
| #2 | 7.177 | 884.8 | -10.52 | 62.27 | 31.05 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3886 | 16830. | -0.642 | .4201 | 3.043 |
| Stddev | 1.028 | 380. | 1.581 | 1.001 | .565 |
| %RSD | 264.6 | 2.258 | 2460. | 238.3 | 18.56 |

| | | | | | |
|----|--------|--------|--------|--------|-------|
| #1 | -1.116 | 16570. | 1.053 | 1.128 | 3.442 |
| #2 | .3384 | 17100. | -1.182 | -.2879 | 2.644 |

Check ? Value Range
 None None None None None

Sample Name: 829287L Acquired: 5/26/2010 18:22:53 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 122.4 | 972.3 | 64740. | 8671. | 147.2 |
| Stddev | 2.6 | 4.5 | 320. | 12. | .2 |
| %RSD | 2.093 | .4599 | .4949 | .1410 | .1173 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 120.6 | 975.5 | 64970. | 8663. | 147.1 |
| #2 | 124.2 | 969.1 | 64520. | 8680. | 147.3 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 203.9 | 861.3 | -2.555 | 2160. | 5.993 |
| Stddev | 1.7 | 123.5 | 2.925 | 2. | 3.259 |
| %RSD | .8180 | 14.34 | 114.5 | .0916 | 54.37 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 205.0 | 948.7 | -4.624 | 2159. | 3.689 |
| #2 | 202.7 | 773.9 | -4.868 | 2162. | 8.298 |

Check ? Value Range
 None None None None None

Sample Name: 829287L Acquired: 5/26/2010 18:22:53 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 16.31 | .0701 | 1637. | 9.019 | 188.1 |
| Stddev | 5.92 | 20.43 | 11. | 1.577 | .3 |
| %RSD | 36.31 | 29140. | .6498 | 17.49 | .1677 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 12.12 | -14.37 | 1644. | 7.903 | 187.8 |
| #2 | 20.50 | 14.51 | 1629. | 10.13 | 188.3 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 26.37 | 1.274 | 13.14 | 209.5 |
| Stddev | .66 | 7.713 | 4.44 | .4 |
| %RSD | 2.518 | 605.5 | 33.78 | .1792 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 26.84 | -4.180 | 10.00 | 209.3 |
| #2 | 25.90 | 6.727 | 16.28 | 209.8 |

Check ? Value Range
 None None None None

Sample Name: 829287L Acquired: 5/26/2010 18:22:53 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 373.77 | 3440.9 | 3766.9 | 5244.5 |
| Stddev | 1.09 | 9.3 | 7.3 | 32.1 |
| %RSD | .29208 | .26918 | .19341 | .61212 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 374.54 | 3447.4 | 3772.1 | 5267.2 |
| #2 | 373.00 | 3434.3 | 3761.8 | 5221.8 |

Sample Name: 829287A Acquired: 5/26/2010 18:26:47 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8825 | 2920. | 44.17 | 533.3 | 1993. |
| Stddev | .1426 | 2. | .73 | .0 | 15. |
| %RSD | 16.16 | .0734 | 1.658 | .0031 | .7561 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .9833 | 2919. | 43.65 | 533.3 | 2004. |
| #2 | .7817 | 2922. | 44.69 | 533.4 | 1982. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.98 | 17060. | 49.85 | 453.3 | 204.5 |
| Stddev | .40 | 23. | .04 | .6 | .5 |
| %RSD | .7649 | .1369 | .0841 | .1405 | .2396 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 52.26 | 17050. | 49.88 | 452.9 | 204.1 |
| #2 | 51.70 | 17080. | 49.82 | 453.8 | 204.8 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829287A Acquired: 5/26/2010 18:26:47 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 383.9 | 2076. | 63330. | 8666. | 612.8 |
| Stddev | 1.2 | 3. | 281. | 36. | .3 |
| %RSD | .3246 | .1642 | .4441 | .4184 | .0427 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 383.0 | 2074. | 63530. | 8691. | 612.6 |
| #2 | 384.8 | 2079. | 63130. | 8640. | 613.0 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 700.3 | 922.2 | 455.0 | 2650. | 23.81 |
| Stddev | .1 | 2.8 | .3 | 9. | 1.53 |
| %RSD | .0194 | .3053 | .0666 | .3292 | 6.428 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 700.2 | 920.2 | 454.8 | 2644. | 22.73 |
| #2 | 700.4 | 924.2 | 455.2 | 2656. | 24.89 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829287A Acquired: 5/26/2010 18:26:47 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 470.4 | 54.39 | 2194. | 463.3 | 642.0 |
| Stddev | .6 | .66 | 9. | 6.3 | 6.0 |
| %RSD | .1292 | 1.218 | .3877 | 1.367 | .9373 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 470.0 | 54.85 | 2200. | 458.8 | 637.7 |
| #2 | 470.9 | 53.92 | 2188. | 467.8 | 646.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 491.0 | 52.34 | 501.8 | 670.3 |
| Stddev | .3 | .45 | .5 | 1.9 |
| %RSD | .0699 | .8599 | .1007 | .2876 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 491.3 | 52.66 | 501.4 | 669.0 |
| #2 | 490.8 | 52.03 | 502.1 | 671.7 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829287A Acquired: 5/26/2010 18:26:47 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 365.30 | 3401.0 | 3757.0 | 5249.0 |
| Stddev | .86 | 7.1 | 7.1 | 11.8 |
| %RSD | .23574 | .20993 | .18953 | .22546 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 364.69 | 3406.1 | 3762.0 | 5257.4 |
| #2 | 365.91 | 3396.0 | 3752.0 | 5240.6 |

Sample Name: 829287MS Acquired: 5/26/2010 18:30:42 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 47.91 | 3153. | 42.65 | 520.5 | 1958. |
| Stddev | .90 | 16. | 1.44 | 1.4 | 17. |
| %RSD | 1.883 | .4992 | 3.379 | .2714 | .8924 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 48.55 | 3164. | 43.67 | 519.5 | 1945. |
| #2 | 47.27 | 3142. | 41.63 | 521.5 | 1970. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.66 | 17190. | 48.61 | 431.6 | 205.3 |
| Stddev | .22 | 18. | .10 | .5 | .3 |
| %RSD | .4249 | .1039 | .1966 | .1255 | .1274 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 51.51 | 17200. | 48.68 | 431.3 | 205.1 |
| #2 | 51.82 | 17180. | 48.55 | 432.0 | 205.5 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829287MS Acquired: 5/26/2010 18:30:42 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 380.9 | 2096. | 71860. | 10880. | 601.9 |
| Stddev | 1.9 | 12. | 48. | 57. | 1.0 |
| %RSD | .4947 | .5905 | .0662 | .5275 | .1738 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 382.3 | 2104. | 71830. | 10830. | 602.6 |
| #2 | 379.6 | 2087. | 71900. | 10920. | 601.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 722.5 | 1011. | 462.4 | 2744. | 25.07 |
| Stddev | .6 | 23. | .8 | 2. | 1.72 |
| %RSD | .0874 | 2.323 | .1707 | .0908 | 6.844 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 722.9 | 994.1 | 461.8 | 2746. | 23.86 |
| #2 | 722.0 | 1027. | 462.9 | 2742. | 26.29 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829287MS Acquired: 5/26/2010 18:30:42 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 435.6 | 51.26 | 2350. | 478.5 | 663.7 |
| Stddev | 5.0 | .33 | 4. | 1.3 | 9.8 |
| %RSD | 1.150 | .6356 | .1502 | .2787 | 1.478 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 432.1 | 51.49 | 2347. | 479.5 | 656.8 |
| #2 | 439.1 | 51.03 | 2352. | 477.6 | 670.7 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 494.6 | 53.98 | 496.1 | 661.4 |
| Stddev | .2 | .45 | 1.0 | .3 |
| %RSD | .0418 | .8427 | .1942 | .0460 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 494.4 | 54.30 | 496.8 | 661.2 |
| #2 | 494.7 | 53.65 | 495.4 | 661.6 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829287MS Acquired: 5/26/2010 18:30:42 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 362.27 | 3400.8 | 3735.6 | 5245.1 |
| Stddev | 2.81 | 7.3 | 16.0 | 34.4 |
| %RSD | .77505 | .21341 | .42822 | .65518 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 364.25 | 3395.7 | 3746.9 | 5269.4 |
| #2 | 360.28 | 3406.0 | 3724.3 | 5220.8 |

Sample Name: 829287DP Acquired: 5/26/2010 18:34:37 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 396.152 {85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.339 | 571.9 | -5751 | 46.69 | 36.14 |
| Stddev | .024 | 14.5 | 1.270 | .89 | 6.87 |
| %RSD | 1.776 | 2.528 | 220.8 | 1.911 | 19.00 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 1.356 | 582.1 | -1.473 | 47.32 | 40.99 |
| #2 | 1.322 | 561.7 | .3226 | 46.06 | 31.28 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1405 | 11750. | 1.226 | .8752 | 1.557 |
| Stddev | .1883 | 51. | .516 | .0505 | .024 |
| %RSD | 134.1 | .4352 | 42.11 | 5.772 | 1.554 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .2736 | 11790. | .8608 | .8395 | 1.574 |
| #2 | .0073 | 11710. | 1.591 | .9109 | 1.540 |

Check ? Value Range

Sample Name: 829287DP Acquired: 5/26/2010 18:34:37 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 {44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 91.75 | 665.3 | 49260. | 6869. | 109.5 |
| Stddev | .52 | 6.5 | .375 | 67. | .2 |
| %RSD | .5716 | .9722 | .7617 | .9812 | .2104 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 92.12 | 660.7 | 49520. | 6916. | 109.6 |
| #2 | 91.38 | 669.9 | 48990. | 6821. | 109.3 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 {467} | 589.592 {57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 165.7 | 709.7 | 1.162 | 1559. | 3.759 |
| Stddev | .3 | 39.1 | .160 | 1. | .511 |
| %RSD | .1519 | 5.507 | 13.73 | .0524 | 13.59 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 165.5 | 737.4 | 1.275 | 1559. | 4.121 |
| #2 | 165.8 | 682.1 | 1.049 | 1558. | 3.398 |

Check ? Value Range

Sample Name: 829287DP Acquired: 5/26/2010 18:34:37 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 {83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.812 | .2263 | 1144. | 7.610 | 142.0 |
| Stddev | 1.052 | 2.040 | 3. | .103 | .6 |
| %RSD | 21.87 | 901.6 | 2625 | 1.359 | .3911 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 4.068 | -1.216 | 1146. | 7.537 | 142.4 |
| #2 | 5.556 | 1.669 | 1142. | 7.683 | 141.6 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 15.95 | -.4433 | 11.76 | 147.5 |
| Stddev | .68 | 1.746 | .12 | .1 |
| %RSD | 4.241 | 393.8 | 1.030 | .0728 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 16.43 | -1.678 | 11.84 | 147.4 |
| #2 | 15.47 | .7911 | 11.67 | 147.5 |

Check ? Value Range

Sample Name: 829287DP Acquired: 5/26/2010 18:34:37 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 {91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 368.68 | 3418.7 | 3763.1 | 5230.8 |
| Stddev | .13 | 2.4 | 13.7 | 6.5 |
| %RSD | .03511 | .07065 | .36479 | .12505 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 368.59 | 3420.4 | 3753.4 | 5226.2 |
| #2 | 368.77 | 3417.0 | 3772.8 | 5235.5 |

Sample Name: 829288 Acquired: 5/26/2010 18:38:29 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.499 | 5228. | 5.151 | 15.58 | 156.1 |
| Stddev | .056 | 12. | 4.522 | 1.45 | 4.3 |
| %RSD | 3.745 | .2200 | 87.78 | 9.284 | 2.768 |
| #1 | 1.539 | 5236. | 1.954 | 16.60 | 153.1 |
| #2 | 1.459 | 5220. | 8.349 | 14.56 | 159.2 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2718 | 33110. | .7741 | 6.253 | 21.11 |
| Stddev | .2019 | 138. | 3587 | .125 | .27 |
| %RSD | 74.27 | .4154 | 46.33 | 1.990 | 1.265 |
| #1 | .4145 | 33210. | .5205 | 6.165 | 20.93 |
| #2 | .1291 | 33020. | 1.028 | 6.341 | 21.30 |

Check ? Value Range
 None None None None None

Sample Name: 829288 Acquired: 5/26/2010 18:38:29 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 68.85 | 8465. | 12450. | 4187. | 340.1 |
| Stddev | .95 | 6. | 37. | 11. | .1 |
| %RSD | 1.383 | .0677 | .2936 | .2541 | .0233 |
| #1 | 68.18 | 8461. | 12480. | 4179. | 340.0 |
| #2 | 69.52 | 8469. | 12430. | 4194. | 340.2 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 171.5 | 109.6 | 10.63 | 2912. | 57.28 |
| Stddev | .6 | .3 | .30 | 4. | .50 |
| %RSD | .3243 | .3015 | 2.869 | .1259 | .8810 |
| #1 | 171.9 | 109.3 | 10.41 | 2915. | 56.93 |
| #2 | 171.1 | 109.8 | 10.84 | 2909. | 57.64 |

Check ? Value Range
 None None None None None

Sample Name: 829288 Acquired: 5/26/2010 18:38:29 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.346 | 2.839 | 2492. | 7.471 | 177.6 |
| Stddev | .573 | 5.240 | 18. | .604 | .6 |
| %RSD | 17.11 | 184.6 | .7039 | 8.081 | 3249 |
| #1 | 3.751 | 6.544 | 2505. | 7.044 | 178.0 |
| #2 | 2.941 | -.8665 | 2480. | 7.898 | 177.2 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 188.8 | -2.266 | 38.03 | 154.9 |
| Stddev | 2.0 | .246 | .11 | .1 |
| %RSD | 1.048 | 10.86 | .2992 | .0610 |
| #1 | 190.2 | -2.440 | 37.95 | 155.0 |
| #2 | 187.4 | -2.092 | 38.11 | 154.8 |

Check ? Value Range
 None None None None

Sample Name: 829288 Acquired: 5/26/2010 18:38:29 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 369.42 | 3430.1 | 3763.8 | 5275.1 |
| Stddev | 1.54 | 7.4 | 13.4 | 3.1 |
| %RSD | .41704 | .21528 | .35644 | .05864 |
| #1 | 368.33 | 3435.3 | 3754.3 | 5273.0 |
| #2 | 370.51 | 3424.8 | 3773.2 | 5277.3 |

Check ? Value Range
 None None None None

Sample Name: 829289 Acquired: 5/26/2010 18:42:20 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8474 | 136.7 | .9886 | 109.1 | 21.98 |
| Stddev | .3953 | 10.3 | .0454 | .7 | .15 |
| %RSD | 46.65 | 7.542 | 4.596 | .6128 | .6907 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1.127 | 129.4 | .9565 | 109.6 | 22.09 |
| #2 | .5679 | 144.0 | 1.021 | 108.7 | 21.87 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1057 | 19490. | 3.057 | -4.047 | .4239 |
| Stddev | .1192 | 60. | .088 | .1935 | .1579 |
| %RSD | 112.7 | .3090 | 2.893 | 47.81 | 37.25 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .0214 | 19440. | 2.995 | -2679 | .5355 |
| #2 | .1900 | 19530. | 3.120 | -.5415 | .3122 |

Check ? Value Range

Sample Name: 829289 Acquired: 5/26/2010 18:42:20 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 37.54 | 277.9 | 41190. | 4945. | 315.5 |
| Stddev | .17 | 6.9 | 78. | 1. | .3 |
| %RSD | .4572 | 2.475 | .1902 | .0102 | .0919 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 37.67 | 273.0 | 41140. | 4945. | 315.3 |
| #2 | 37.42 | 282.7 | 41250. | 4946. | 315.7 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 120.6 | 31.87 | .4943 | 6207. | 2.175 |
| Stddev | .1 | 11.70 | .0588 | 33. | .061 |
| %RSD | .0588 | 36.70 | 11.90 | .5393 | 2.811 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 120.6 | 23.60 | .4527 | 6231. | 2.218 |
| #2 | 120.7 | 40.14 | .5359 | 6184. | 2.131 |

Check ? Value Range

Sample Name: 829289 Acquired: 5/26/2010 18:42:20 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.064 | 1.719 | 476.8 | 6.236 | 213.1 |
| Stddev | 2.287 | 5.534 | 1.6 | .975 | .9 |
| %RSD | 110.8 | 321.9 | .3307 | 15.63 | .4170 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .4469 | -2.194 | 475.7 | 6.926 | 213.8 |
| #2 | 3.681 | 5.632 | 477.9 | 5.547 | 212.5 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.149 | -2.477 | 1.562 | 418.7 |
| Stddev | .066 | .466 | .174 | 2.7 |
| %RSD | 1.285 | 18.80 | 11.15 | .6432 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 5.102 | -2.806 | 1.439 | 420.6 |
| #2 | 5.196 | -2.148 | 1.685 | 416.8 |

Check ? Value Range

Sample Name: 829289 Acquired: 5/26/2010 18:42:20 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 371.06 | 3420.9 | 3776.0 | 5287.1 |
| Stddev | .06 | 16.7 | 15.8 | 4.3 |
| %RSD | .01647 | .48880 | .41763 | .08203 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 371.02 | 3432.7 | 3764.9 | 5290.2 |
| #2 | 371.11 | 3409.1 | 3787.2 | 5284.0 |

Sample Name: 829290 Acquired: 5/26/2010 18:46:12 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.035 | 204.8 | 1.359 | 125.2 | 19.20 |
| Stddev | .484 | 36.3 | .359 | .1 | 6.95 |
| %RSD | 46.74 | 17.72 | 26.40 | .1110 | 36.18 |
| #1 | 1.377 | 230.2 | 1.105 | 125.1 | 24.11 |
| #2 | .6927 | 178.9 | 1.612 | 125.2 | 14.29 |

Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1137 | 25850. | 5.397 | -.5150 | .9492 |
| Stddev | .2682 | 33. | .018 | .2008 | .1929 |
| %RSD | 235.8 | .1293 | .3312 | 39.00 | 20.32 |
| #1 | -.3034 | 25830. | 5.384 | -.3730 | 1.086 |
| #2 | .0759 | 25870. | 5.409 | -.6570 | .8128 |

Check ? None None None None None
 Value
 Range

Sample Name: 829290 Acquired: 5/26/2010 18:46:12 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 46.33 | 330.4 | 46420. | 6308. | 409.0 |
| Stddev | .61 | 4.3 | 39. | 25. | 1.0 |
| %RSD | 1.324 | 1.296 | .0847 | .3922 | .2400 |
| #1 | 46.76 | 327.4 | 46390. | 6326. | 409.7 |
| #2 | 45.90 | 333.5 | 46450. | 6291. | 408.3 |

Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_-LWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 144.6 | 55.29 | .7423 | 6956. | 5.436 |
| Stddev | .2 | 25.77 | .4937 | 8. | 2.911 |
| %RSD | .1668 | 46.60 | 66.50 | .1107 | 53.55 |
| #1 | 144.4 | 37.07 | 1.091 | 6950. | 7.495 |
| #2 | 144.7 | 73.51 | .3932 | 6961. | 3.378 |

Check ? None None None None None
 Value
 Range

Sample Name: 829290 Acquired: 5/26/2010 18:46:12 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_-LWAX) | (Y_-LWAX) | (Y_HWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.011 | 3.675 | 492.8 | 8.991 | 314.8 |
| Stddev | .388 | 1.655 | 12.9 | 1.694 | .4 |
| %RSD | 12.90 | 45.04 | 2.613 | 18.84 | .1402 |
| #1 | 3.285 | 4.845 | 483.7 | 7.793 | 315.1 |
| #2 | 2.736 | 2.504 | 501.9 | 10.19 | 314.4 |

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.317 | -3.497 | 2.246 | 520.5 |
| Stddev | .435 | .561 | .123 | .4 |
| %RSD | 6.891 | 16.05 | 5.484 | .0726 |
| #1 | 6.625 | -3.100 | 2.159 | 520.2 |
| #2 | 6.009 | -3.894 | 2.333 | 520.8 |

Check ? None None None None
 Value
 Range

Sample Name: 829290 Acquired: 5/26/2010 18:46:12 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_-LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 370.79 | 3430.3 | 3782.3 | 5327.8 |
| Stddev | 1.33 | 1.0 | .0 | 8.6 |
| %RSD | .35986 | .02911 | .00082 | .16167 |
| #1 | 369.85 | 3429.6 | 3782.4 | 5333.9 |
| #2 | 371.74 | 3431.0 | 3782.3 | 5321.7 |

#1 369.85 3429.6 3782.4 5333.9
 #2 371.74 3431.0 3782.3 5321.7

Sample Name: CCV Acquired: 5/26/2010 18:50:03 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.17 | 29140. | 98.69 | 697.8 | 194.6 |
| Stddev | .10 | 241. | 1.78 | .4 | 4.5 |
| %RSD | .1079 | .8259 | 1.803 | .0553 | 2.335 |
| #1 | 97.09 | 28970. | 99.95 | 698.1 | 191.4 |
| #2 | 97.24 | 29310. | 97.43 | 697.6 | 197.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.53 | 28860. | 92.96 | 186.6 | 190.4 |
| Stddev | 1.09 | 229. | .24 | .2 | .0 |
| %RSD | 1.120 | .7939 | .2613 | .1332 | .0117 |
| #1 | 96.76 | 28690. | 93.13 | 186.4 | 190.4 |
| #2 | 98.30 | 29020. | 92.79 | 186.7 | 190.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/26/2010 18:50:03 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 188.9 | 28940. | 29120. | 29040. | 186.0 |
| Stddev | .8 | 47. | 197. | 155. | .4 |
| %RSD | .4258 | .1607 | .6771 | .5335 | .1961 |
| #1 | 189.5 | 28970. | 28980. | 28930. | 186.3 |
| #2 | 188.4 | 28910. | 29260. | 29150. | 185.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 194.3 | 29030. | 184.0 | 195.0 | 387.8 |
| Stddev | .5 | 146. | .1 | 1.0 | 2.5 |
| %RSD | .2445 | .5043 | .0683 | .5341 | .6518 |
| #1 | 193.9 | 28930. | 183.9 | 195.8 | 386.0 |
| #2 | 194.6 | 29140. | 184.1 | 194.3 | 389.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/26/2010 18:50:03 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 291.1 | 97.45 | 989.3 | 190.4 | 292.9 |
| Stddev | 2.5 | .87 | .1 | .8 | 2.6 |
| %RSD | .8743 | .8935 | .0103 | .4180 | .8996 |
| #1 | 292.9 | 96.83 | 989.3 | 189.8 | 291.1 |
| #2 | 289.3 | 98.07 | 989.4 | 191.0 | 294.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 387.7 | 100.1 | 195.7 | 194.6 |
| Stddev | .8 | .9 | .3 | .1 |
| %RSD | .2027 | .8898 | .1776 | .0394 |
| #1 | 388.3 | 100.7 | 196.0 | 194.7 |
| #2 | 387.1 | 99.48 | 195.5 | 194.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/26/2010 18:50:03 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 356.11 | 3347.6 | 3670.1 | 5119.7 |
| Stddev | 1.25 | 8.1 | 9.8 | 47.2 |
| %RSD | .35042 | .24320 | .26709 | .92140 |
| #1 | 355.22 | 3341.8 | 3663.1 | 5153.1 |
| #2 | 356.99 | 3353.3 | 3677.0 | 5086.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/26/2010 18:53:51 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9817 | 16.66 | 1.188 | 5.476 | -1.065 |
| Stddev | .7399 | 51.62 | 2.505 | 6.055 | .500 |
| %RSD | 75.37 | 309.9 | 210.8 | 110.6 | 46.89 |
| #1 | 1.505 | 53.16 | -5830 | .9757 | -.7122 |
| #2 | .4585 | -19.84 | 2.960 | .1195 | -1.419 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2349 | 59.93 | -7488 | -2510 | -1100 |
| Stddev | .1535 | 34.84 | .0600 | 1.407 | .0512 |
| %RSD | 65.34 | 58.13 | 8.009 | 56.05 | 46.55 |
| #1 | -.3434 | 84.56 | -7912 | -.1515 | -.0738 |
| #2 | -.1264 | 35.29 | -.7064 | -.3505 | -.1462 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/26/2010 18:53:51 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3713 | -7.898 | 51.72 | 11.93 | -.0704 |
| Stddev | .7218 | 3.833 | 41.01 | 64.95 | .0740 |
| %RSD | 194.4 | 48.53 | 79.29 | 544.4 | 105.2 |
| #1 | .1391 | -5.188 | 22.72 | -33.99 | -.1227 |
| #2 | -.8817 | -10.61 | 80.71 | 57.86 | -.0180 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.255 | -13.48 | -8914 | -1.989 | 1.912 |
| Stddev | 4.269 | 12.39 | .8774 | 1.741 | 3.736 |
| %RSD | 100.3 | 91.87 | 98.43 | 87.52 | 195.4 |
| #1 | .7274 | -22.24 | -1.512 | -3.220 | -.7294 |
| #2 | .1236 | -4.724 | -.2710 | -.7580 | 4.554 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/26/2010 18:53:51 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.902 | -.7840 | -1.589 | -.1504 | -.0132 |
| Stddev | 1.148 | .8688 | 1.134 | .0162 | .0143 |
| %RSD | 39.54 | 110.8 | 71.36 | 10.75 | 108.1 |
| #1 | 3.713 | -.1696 | -.7873 | -.1618 | -.0233 |
| #2 | 2.090 | -1.398 | -2.391 | -.1389 | -.0031 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.3885 | .9894 | .3873 | -.1216 |
| Stddev | 1.232 | .2683 | .1410 | .0013 |
| %RSD | 317.2 | 27.12 | 36.40 | 1.037 |
| #1 | .4827 | 1.179 | .4870 | -.1207 |
| #2 | -1.260 | .7997 | .2876 | -.1225 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/26/2010 18:53:51 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 373.48 | 3407.2 | 3748.8 | 5160.7 |
| Stddev | .77 | 5.4 | 8.9 | 6.6 |
| %RSD | .20529 | .15778 | .23826 | .12777 |
| #1 | 372.94 | 3403.4 | 3742.5 | 5156.1 |
| #2 | 374.03 | 3411.0 | 3755.2 | 5165.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: 829291 Acquired: 5/26/2010 18:57:44 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.097 | 1201. | 2.808 | 63.78 | 51.84 |
| Stddev | 1.164 | 28. | 1.616 | .27 | .11 |
| %RSD | 55.48 | 2.310 | 57.53 | .4293 | .2044 |
| #1 | 2.920 | 1181. | 1.666 | 63.59 | 51.77 |
| #2 | 1.275 | 1220. | 3.951 | 63.97 | 51.92 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.241 | 21580. | 4.621 | .5631 | 3.023 |
| Stddev | .0979 | 122. | .403 | .4875 | .153 |
| %RSD | 78.95 | .5628 | 8.727 | 86.57 | 5.063 |
| #1 | -1.933 | 21490. | 4.906 | .9078 | 2.915 |
| #2 | -.0548 | 21670. | 4.336 | .2184 | 3.132 |

Check ? Value Range
 None None None None None

Sample Name: 829291 Acquired: 5/26/2010 18:57:44 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 132.6 | 1411. | 62570. | 9614. | 137.4 |
| Stddev | 2 | 10. | 256. | 28. | .0 |
| %RSD | .1404 | .7017 | .4085 | .2882 | .0206 |
| #1 | 132.5 | 1418. | 62380. | 9633. | 137.4 |
| #2 | 132.8 | 1404. | 62750. | 9594. | 137.4 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 582.3 | 1896. | 1.506 | 2798. | 10.78 |
| Stddev | 1.0 | 11. | .182 | 18. | .10 |
| %RSD | .1640 | .5694 | 12.09 | .6573 | .9302 |
| #1 | 581.6 | 1889. | 1.377 | 2785. | 10.85 |
| #2 | 582.9 | 1904. | 1.635 | 2811. | 10.70 |

Check ? Value Range
 None None None None None

Sample Name: 829291 Acquired: 5/26/2010 18:57:44 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.794 | 4.919 | 1797. | 8.890 | 285.7 |
| Stddev | 1.299 | 2.683 | 16. | .185 | 2.2 |
| %RSD | 27.11 | 54.54 | .9023 | 2.081 | .7530 |
| #1 | 5.713 | 6.816 | 1786. | 8.759 | 287.3 |
| #2 | 3.875 | 3.022 | 1809. | 9.021 | 284.2 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 32.60 | -.0891 | 22.61 | 198.2 |
| Stddev | .55 | .5554 | .44 | .7 |
| %RSD | 1.694 | 623.4 | 1.924 | .3687 |
| #1 | 32.99 | -.4819 | 22.91 | 197.7 |
| #2 | 32.21 | .3037 | 22.30 | 198.7 |

Check ? Value Range
 None None None None

Sample Name: 829291 Acquired: 5/26/2010 18:57:44 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 357.66 | 3307.1 | 3690.9 | 5052.3 |
| Stddev | 1.11 | 57.8 | 6.1 | 125.6 |
| %RSD | .31055 | 1.7472 | .16532 | 2.4855 |
| #1 | 358.45 | 3266.2 | 3695.3 | 4963.5 |
| #2 | 356.88 | 3347.9 | 3686.6 | 5141.1 |

Check ? Value Range
 None None None None

Sample Name: 829292 Acquired: 5/26/2010 19:01:35 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.221 | 1540. | 3.554 | 47.79 | 59.59 |
| Stddev | .292 | 4. | 1.106 | 1.12 | .72 |
| %RSD | 23.91 | .2425 | 31.12 | 2.340 | 1.208 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1.427 | 1537. | 4.336 | 48.58 | 60.10 |
| #2 | 1.015 | 1542. | 2.772 | 47.00 | 59.08 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2747 | 19540. | 6.948 | .7218 | 5.459 |
| Stddev | .2479 | 43. | .597 | 1.305 | .088 |
| %RSD | 90.25 | .2212 | 8.589 | 18.08 | 1.610 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .0994 | 19510. | 7.370 | .6295 | 5.397 |
| #2 | .4500 | 19570. | 6.526 | .8141 | 5.521 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829292 Acquired: 5/26/2010 19:01:35 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 78.71 | 2179. | 38780. | 7503. | 155.3 |
| Stddev | 1.20 | 12. | 40. | 69. | .1 |
| %RSD | 1.530 | .5348 | .1035 | .9157 | .0366 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 77.86 | 2187. | 38750. | 7552. | 155.4 |
| #2 | 79.57 | 2171. | 38810. | 7454. | 155.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 340.4 | 414.2 | 1.652 | 2158. | 12.25 |
| Stddev | .0 | 32.0 | .140 | 3. | 1.22 |
| %RSD | .0130 | 7.722 | 8.498 | .1486 | 9.949 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 340.4 | 436.8 | 1.751 | 2156. | 11.39 |
| #2 | 340.4 | 391.6 | 1.553 | 2161. | 13.11 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829292 Acquired: 5/26/2010 19:01:35 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.342 | 2.815 | 1778. | 8.462 | 226.9 |
| Stddev | 3.857 | 1.443 | 23. | .074 | 1.7 |
| %RSD | 164.7 | 51.27 | 1.272 | .8714 | .7455 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.3851 | 3.835 | 1794. | 8.514 | 225.7 |
| #2 | 5.070 | 1.794 | 1762. | 8.410 | 228.1 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 47.45 | -.8591 | 17.08 | 197.6 |
| Stddev | .05 | 3.289 | .02 | .3 |
| %RSD | .1036 | 382.9 | .1303 | .1420 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 47.48 | 1.467 | 17.10 | 197.4 |
| #2 | 47.41 | -3.185 | 17.07 | 197.8 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829292 Acquired: 5/26/2010 19:01:35 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 361.37 | 3396.5 | 3719.5 | 5196.1 |
| Stddev | .04 | 2.1 | 3.3 | 48.8 |
| %RSD | .01184 | .06077 | .08800 | .93941 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 361.40 | 3398.0 | 3721.9 | 5230.6 |
| #2 | 361.34 | 3395.0 | 3717.2 | 5161.6 |

Sample Name: 829293 Acquired: 5/26/2010 19:05:27 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 396.152 {85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.083 | 257.1 | .4089 | 25.83 | 22.70 |
| Stddev | .5903 | 7.1 | .1343 | 1.85 | 2.91 |
| %RSD | 7132. | 2.775 | 32.86 | 7.145 | 12.82 |

#1 -4257 252.1 .5039 24.52 24.76
 #2 4092 262.2 .3139 27.13 20.64

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.235 | 15120. | 1.872 | -2316 | 1.339 |
| Stddev | .0229 | 4. | .531 | .3263 | .040 |
| %RSD | 18.55 | .0264 | 28.35 | 140.9 | 2.955 |

#1 -1397 15110. 2.248 -4624 1.367
 #2 -1073 15120. 1.497 -0.008 1.311

Check ? Value Range
 None None None None None

Sample Name: 829293 Acquired: 5/26/2010 19:05:27 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 {44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 46.68 | 534.4 | 59220. | 4175. | 92.66 |
| Stddev | .07 | 13.4 | 476. | 11. | .33 |
| %RSD | .1425 | 2.515 | .8044 | .2543 | .3534 |

#1 46.64 524.9 58880. 4167. 92.43
 #2 46.73 543.9 59550. 4182. 92.89

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 {467} | 589.592 {57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 421.5 | -8.844 | 3.247 | 7518. | 3.943 |
| Stddev | 2.0 | 26.78 | .071 | 12. | .011 |
| %RSD | .4828 | 302.8 | 2.186 | .1531 | .2724 |

#1 420.0 -27.78 3.197 7510. 3.936
 #2 422.9 10.09 3.297 7526. 3.951

Check ? Value Range
 None None None None None

Sample Name: 829293 Acquired: 5/26/2010 19:05:27 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 {83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.300 | 4.868 | 2348. | 7.525 | 133.2 |
| Stddev | 2.079 | 1.360 | 7. | .549 | .9 |
| %RSD | 48.34 | 27.93 | .2890 | 7.299 | .6968 |

#1 2.831 5.829 2353. 7.914 132.5
 #2 5.770 3.906 2343. 7.137 133.9

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 12.25 | -1.443 | 6.359 | 246.1 |
| Stddev | .33 | .716 | 1.055 | .3 |
| %RSD | 2.671 | 49.64 | 16.59 | .1247 |

#1 12.02 -1.949 5.613 245.8
 #2 12.48 -.9363 7.105 246.3

Check ? Value Range
 None None None None

Sample Name: 829293 Acquired: 5/26/2010 19:05:27 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 {91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 360.96 | 3376.8 | 3704.9 | 5164.9 |
| Stddev | 1.43 | 20.1 | 3.0 | 51.7 |
| %RSD | .39491 | .59580 | .08196 | 1.0016 |

#1 361.97 3391.0 3707.1 5201.5
 #2 359.95 3362.5 3702.8 5128.3

Sample Name: 829294 Acquired: 5/26/2010 19:09:19 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.262 | 5710. | 1.095 | 9.930 | 127.6 |
| Stddev | 1.200 | 1. | 3.978 | .015 | 1.2 |
| %RSD | 95.08 | .0187 | 363.2 | .1514 | .9489 |

#1 2.110 5709. -1.718 9.920 126.7
 #2 .4134 5710. 3.908 9.941 128.4
 Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4506 | 25590. | 1.048 | 3.472 | 15.23 |
| Stddev | .0538 | 38. | .120 | .111 | .11 |
| %RSD | 11.93 | .1477 | 11.45 | 3.199 | .6911 |

#1 .4126 25620. .9632 3.550 15.31
 #2 .4887 25560. 1.133 3.393 15.16
 Check ? None None None None None
 Value
 Range

Sample Name: 829294 Acquired: 5/26/2010 19:09:19 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 68.57 | 8288. | 7182. | 4026. | 281.5 |
| Stddev | .02 | 6. | 25. | 32. | .5 |
| %RSD | .0327 | .0749 | .3417 | .7947 | .1794 |

#1 68.55 8283. 7164. 4003. 281.1
 #2 68.58 8292. 7199. 4049. 281.9
 Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 284.5 | 183.6 | 10.09 | 1666. | 19.24 |
| Stddev | 1.4 | 13.9 | .12 | 1. | 1.95 |
| %RSD | .4917 | 7.591 | 1.207 | .0763 | 10.14 |

#1 283.5 173.7 10.18 1665. 20.62
 #2 285.5 193.4 10.01 1667. 17.86
 Check ? None None None None None
 Value
 Range

Sample Name: 829294 Acquired: 5/26/2010 19:09:19 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.872 | 3.418 | 1978. | 4.839 | 114.5 |
| Stddev | 3.394 | 1.792 | 3. | .867 | .1 |
| %RSD | 118.2 | 52.42 | .1699 | 17.91 | .0493 |

#1 .4724 4.685 1980. 5.452 114.5
 #2 5.272 2.151 1975. 4.226 114.4
 Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 224.1 | -2.255 | 31.12 | 191.0 |
| Stddev | .0 | 2.072 | .05 | .2 |
| %RSD | .0006 | 91.87 | .1581 | .1174 |

#1 224.1 -.7901 31.15 191.1
 #2 224.1 -3.720 31.08 190.8
 Check ? None None None None
 Value
 Range

Sample Name: 829294 Acquired: 5/26/2010 19:09:19 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 366.50 | 3396.3 | 3758.5 | 5227.9 |
| Stddev | 6.53 | 5.6 | 13.4 | 19.9 |
| %RSD | 1.7814 | .16472 | .35563 | .38142 |

#1 361.88 3392.4 3749.1 5213.8
 #2 371.11 3400.3 3768.0 5242.0

Sample Name: 829295 Acquired: 5/26/2010 19:13:10 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7491 | 485.7 | 2765 | 69.45 | 86.82 |
| Stddev | 1.464 | 37.9 | 2.387 | .75 | 4.71 |
| %RSD | 195.5 | 7.812 | 863.3 | 1.084 | 5.420 |

#1 -2863 512.5 1.964 68.91 83.49
 #2 1.784 458.9 -1.411 69.98 90.15

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0238 | 68150. | -.2093 | -.1584 | 1.182 |
| Stddev | .3278 | 240. | .1354 | .0172 | .259 |
| %RSD | 1376. | .3516 | 64.68 | 10.84 | 21.92 |

#1 -2556 67980. -3050 -1.463 .9984
 #2 .2080 68320. -1.136 -1.706 1.365

Check ? Value Range
 None None None None None

Sample Name: 829295 Acquired: 5/26/2010 19:13:10 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.14 | 707.8 | 49090. | 9610. | 107.2 |
| Stddev | .27 | 6.4 | 305. | 9. | 4 |
| %RSD | 1.552 | .9100 | .6215 | .0944 | .3805 |

#1 17.33 712.3 48880. 9603. 107.5
 #2 16.95 703.2 49310. 9616. 106.9

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 354.6 | 68.97 | 3.303 | 4626. | 3.996 |
| Stddev | .7 | 30.02 | 1.016 | 4. | .822 |
| %RSD | .1988 | 43.53 | 30.75 | .0850 | 20.57 |

#1 354.1 90.19 4.021 4623. 4.577
 #2 355.1 47.74 2.584 4628. 3.415

Check ? Value Range
 None None None None None

Sample Name: 829295 Acquired: 5/26/2010 19:13:10 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.861 | 1.374 | 1102. | 9.491 | 785.3 |
| Stddev | 1.298 | 2.500 | 19. | .445 | 13.0 |
| %RSD | 45.37 | 182.0 | 1.756 | 4.687 | 1.659 |

#1 3.778 -.3942 1089. 9.176 776.1
 #2 1.943 3.141 1116. 9.806 794.5

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 18.28 | -.5450 | 5.680 | 82.33 |
| Stddev | .37 | .1509 | .447 | .02 |
| %RSD | 2.024 | 27.69 | 7.864 | .0209 |

#1 18.54 -.6517 5.364 82.35
 #2 18.02 -.4383 5.995 82.32

Check ? Value Range
 None None None None

Sample Name: 829295 Acquired: 5/26/2010 19:13:10 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 357.96 | 3363.8 | 3696.5 | 5190.7 |
| Stddev | .58 | 12.4 | 1.6 | 50.9 |
| %RSD | .16175 | .36787 | .04381 | .98084 |

#1 357.55 3355.0 3695.4 5226.7
 #2 358.37 3372.5 3697.7 5154.7

Sample Name: 829296 Acquired: 5/26/2010 19:17:09 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2655 | 811.0 | 2.152 | 39.80 | 39.84 |
| Stddev | 1.403 | 33.9 | 1.193 | 1.25 | .72 |
| %RSD | 528.5 | 4.182 | 55.42 | 3.149 | 1.815 |
| #1 | 1.258 | 787.0 | 1.309 | 40.69 | 39.33 |
| #2 | -.7268 | 834.9 | 2.996 | 38.91 | 40.35 |

Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1855 | 13810. | -2303 | 9352 | 1.411 |
| Stddev | .1442 | .49 | .5958 | 2301 | .183 |
| %RSD | 77.74 | .3541 | 258.7 | 24.60 | 12.97 |
| #1 | .0835 | 13770. | .1910 | 1.098 | 1.282 |
| #2 | .2875 | 13840. | -.6516 | .7725 | 1.541 |

Check ? None None None None None
 Value
 Range

Sample Name: 829296 Acquired: 5/26/2010 19:17:09 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.45 | 1001. | 36640. | 7763. | 47.19 |
| Stddev | 1.41 | 3. | 302. | 22. | .14 |
| %RSD | 7.630 | .3046 | .8246 | .2854 | .3073 |
| #1 | 19.45 | 998.4 | 36420. | 7747. | 47.29 |
| #2 | 17.46 | 1003. | 36850. | 7779. | 47.08 |

Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 841.9 | 785.3 | 7.588 | 1208. | 4.349 |
| Stddev | .6 | 3.8 | 1.066 | . | 1.291 |
| %RSD | .0771 | .4800 | 14.05 | .0257 | 29.68 |
| #1 | 842.4 | 787.9 | 8.342 | 1207. | 5.262 |
| #2 | 841.5 | 782.6 | 6.834 | 1208. | 3.436 |

Check ? None None None None None
 Value
 Range

Sample Name: 829296 Acquired: 5/26/2010 19:17:09 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.162 | 4.490 | 1559. | 7.805 | 231.4 |
| Stddev | .541 | 4.627 | 10. | 1.508 | .1 |
| %RSD | 13.00 | 103.0 | .6487 | 19.31 | .0437 |
| #1 | 3.779 | 1.219 | 1566. | 6.739 | 231.4 |
| #2 | 4.544 | 7.762 | 1551. | 8.871 | 231.3 |

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 27.50 | -1.075 | 18.67 | 118.9 |
| Stddev | .35 | 1.627 | .51 | .2 |
| %RSD | 1.279 | 151.3 | 2.708 | .1897 |
| #1 | 27.75 | .0754 | 18.31 | 118.7 |
| #2 | 27.25 | -2.225 | 19.03 | 119.0 |

Check ? None None None None
 Value
 Range

Sample Name: 829296 Acquired: 5/26/2010 19:17:09 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 360.62 | 3346.8 | 3695.8 | 5149.8 |
| Stddev | 2.17 | 13.7 | 5.8 | 14.5 |
| %RSD | .60299 | .40886 | .15632 | .28242 |
| #1 | 362.16 | 3356.5 | 3699.9 | 5160.0 |
| #2 | 359.08 | 3337.1 | 3691.7 | 5139.5 |

Check ? None None None None
 Value
 Range

Sample Name: 829297 Acquired: 5/26/2010 19:21:02 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9776 | 376.0 | .8402 | 90.80 | 7.949 |
| Stddev | .1867 | 3.0 | .5859 | 1.33 | .541 |
| %RSD | 19.09 | .8054 | 69.73 | 1.466 | 6.811 |
| #1 | 1.110 | 373.8 | .4259 | 89.86 | 8.332 |
| #2 | .8456 | 378.1 | 1.254 | 91.74 | 7.566 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0028 | 17140. | 2.495 | -.2918 | 1.864 |
| Stddev | .0081 | 90. | .076 | .2063 | .224 |
| %RSD | 289.3 | .5223 | 3.047 | 70.69 | 12.02 |
| #1 | -.0086 | 17200. | 2.441 | -.4377 | 1.706 |
| #2 | .0029 | 17070. | 2.549 | -.1460 | 2.023 |

Check ? Value Range
 None None None None None

Sample Name: 829297 Acquired: 5/26/2010 19:21:02 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 72.44 | 847.9 | 52110. | 5272. | 260.4 |
| Stddev | .62 | 12.9 | 10. | 37. | .1 |
| %RSD | .8525 | 1.523 | .0200 | .7110 | .0350 |
| #1 | 72.87 | 838.8 | 52120. | 5246. | 260.5 |
| #2 | 72.00 | 857.1 | 52100. | 5299. | 260.4 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 68.24 | 15.33 | 6.795 | 5206. | 3.865 |
| Stddev | .97 | 16.57 | .681 | 2. | .599 |
| %RSD | 1.422 | 108.1 | 10.02 | .0373 | 15.50 |
| #1 | 68.93 | 3.615 | 6.314 | 5207. | 3.441 |
| #2 | 67.56 | 27.04 | 7.277 | 5205. | 4.288 |

Check ? Value Range
 None None None None None

Sample Name: 829297 Acquired: 5/26/2010 19:21:02 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1975 | 4.517 | 564.5 | 6.976 | 151.8 |
| Stddev | 1.351 | .481 | 6.1 | .015 | 1.9 |
| %RSD | 684.3 | 10.64 | .9228 | .2126 | 1.283 |
| #1 | -1.153 | 4.857 | 668.8 | 6.965 | 153.2 |
| #2 | .7581 | 4.177 | 660.2 | 6.986 | 150.4 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 24.69 | -1.404 | 1.754 | 588.5 |
| Stddev | .16 | .980 | .339 | .1 |
| %RSD | .6390 | 69.80 | 19.34 | .0146 |
| #1 | 24.57 | -2.097 | 1.994 | 588.4 |
| #2 | 24.80 | -.7111 | 1.514 | 588.5 |

Check ? Value Range
 None None None None

Sample Name: 829297 Acquired: 5/26/2010 19:21:02 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 366.66 | 3385.6 | 3743.4 | 5214.2 |
| Stddev | .41 | 22.4 | 5.6 | 22.8 |
| %RSD | .11127 | .66038 | .15016 | .43786 |
| #1 | 366.37 | 3401.4 | 3739.4 | 5198.1 |
| #2 | 366.95 | 3369.8 | 3747.4 | 5230.3 |

Check ? Value Range
 None None None None

Sample Name: 829298 Acquired: 5/26/2010 19:24:55 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.284 | 1.199 | 1.769 | 55.55 | 41.03 |
| Stddev | .136 | .8 | 1.336 | .01 | 4.71 |
| %RSD | 10.55 | .7051 | 75.56 | .0096 | 11.48 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1.189 | 1.193 | 2.714 | 55.55 | 37.70 |
| #2 | 1.380 | 1.205 | .8236 | 55.56 | 44.36 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1742 | 23890. | 5.373 | 1.823 | 5.502 |
| Stddev | .1751 | .22 | .558 | .003 | .179 |
| %RSD | 100.5 | .0918 | 10.38 | .1874 | 3.260 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .0504 | 23900. | 4.978 | 1.821 | 5.629 |
| #2 | .2980 | 23870. | 5.767 | 1.826 | 5.375 |

Check ? Value Range

Sample Name: 829298 Acquired: 5/26/2010 19:24:55 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 215.5 | 2422. | 70280. | 8482. | 168.5 |
| Stddev | .1 | .202 | .2871 | .55 | .2 |
| %RSD | .0640 | .0168 | .0096 | .0651 | .0996 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 215.4 | 2422. | 70140. | 8521. | 168.6 |
| #2 | 215.6 | 2422. | 70420. | 8444. | 168.4 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 350.1 | 402.7 | 8.204 | 2039. | 11.00 |
| Stddev | .6 | 27.7 | .201 | .6 | 1.06 |
| %RSD | .1671 | 6.884 | 2.452 | .3026 | 9.680 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 350.5 | 422.3 | 8.346 | 2034. | 10.25 |
| #2 | 349.7 | 383.1 | 8.061 | 2043. | 11.75 |

Check ? Value Range

Sample Name: 829298 Acquired: 5/26/2010 19:24:55 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.321 | .7504 | 1660. | 6.788 | 247.8 |
| Stddev | .539 | 2.893 | .5 | .168 | 2.5 |
| %RSD | 23.24 | 385.5 | .2760 | 2.477 | 1.012 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 2.702 | -1.295 | 1664. | 6.907 | 249.6 |
| #2 | 1.939 | 2.796 | 1657. | 6.669 | 246.0 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 72.92 | -3.144 | 14.34 | 231.9 |
| Stddev | 1.08 | .305 | .60 | .3 |
| %RSD | 1.474 | 9.696 | 4.173 | .1099 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 73.68 | -3.360 | 13.92 | 231.7 |
| #2 | 72.16 | -2.929 | 14.77 | 232.1 |

Check ? Value Range

Sample Name: 829298 Acquired: 5/26/2010 19:24:55 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 360.14 | 3378.6 | 3710.5 | 5194.0 |
| Stddev | .47 | 6.5 | 3.3 | 28.9 |
| %RSD | .13115 | .19346 | .08776 | .55551 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 360.47 | 3383.2 | 3712.8 | 5173.6 |
| #2 | 359.80 | 3374.0 | 3708.2 | 5214.4 |

Sample Name: 829299 Acquired: 5/26/2010 19:28:47 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9625 | 807.9 | 5.233 | 44.11 | 33.31 |
| Stddev | .5082 | 7.5 | .2276 | .28 | 5.28 |
| %RSD | 52.80 | .9283 | 43.49 | .6372 | 15.85 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1.322 | 813.2 | .6843 | 43.91 | 29.58 |
| #2 | .6031 | 802.6 | .3624 | 44.31 | 37.04 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0446 | 41020. | 3.236 | .6127 | 4.307 |
| Stddev | .0064 | 40. | .070 | .1944 | .025 |
| %RSD | 14.44 | .0984 | 2.169 | 31.73 | .5692 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.0400 | 40990. | 3.286 | .4752 | 4.324 |
| #2 | -.0491 | 41050. | 3.186 | .7501 | 4.289 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829299 Acquired: 5/26/2010 19:28:47 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.71 | 1753. | 47550. | 3484. | 190.1 |
| Stddev | .14 | 9. | 175. | 28. | .3 |
| %RSD | .2729 | .5056 | .3675 | .8173 | .1612 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 51.81 | 1759. | 47430. | 3504. | 190.3 |
| #2 | 51.61 | 1746. | 47680. | 3463. | 189.8 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 130.2 | 44.31 | 11.54 | 3296. | 4.923 |
| Stddev | .3 | 9.31 | .73 | 8. | .902 |
| %RSD | .2495 | 21.02 | 6.334 | .2502 | 18.33 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 130.0 | 50.90 | 11.03 | 3290. | 5.561 |
| #2 | 130.5 | 37.73 | 12.06 | 3301. | 4.284 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829299 Acquired: 5/26/2010 19:28:47 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.142 | 3.308 | 915.5 | 7.116 | 327.7 |
| Stddev | .355 | 1.849 | 2.9 | .379 | 1.0 |
| %RSD | 31.13 | 55.91 | .3212 | 5.329 | .3072 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1.393 | 4.615 | 917.6 | 7.384 | 328.4 |
| #2 | .8903 | 2.000 | 913.4 | 6.848 | 327.0 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 51.47 | .0530 | 3.961 | 375.4 |
| Stddev | .72 | 1.604 | .568 | .8 |
| %RSD | 1.408 | 3027. | 14.33 | .2066 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 50.96 | -1.081 | 4.363 | 374.9 |
| #2 | 51.98 | 1.187 | 3.560 | 376.0 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829299 Acquired: 5/26/2010 19:28:47 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 360.85 | 3364.9 | 3709.9 | 5133.9 |
| Stddev | 3.48 | 10.2 | 12.4 | 14.8 |
| %RSD | .96384 | .30294 | .33461 | .28757 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 363.31 | 3357.7 | 3718.7 | 5123.5 |
| #2 | 358.39 | 3372.1 | 3701.1 | 5144.3 |

Sample Name: 829300 Acquired: 5/26/2010 19:32:40 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.146 | 1056. | 1.407 | 35.68 | 36.22 |
| Stddev | .692 | 26. | 1.554 | 1.62 | .18 |
| %RSD | 60.41 | 2.453 | 110.4 | 4.542 | .4877 |
| #1 | .6564 | 1037. | 2.506 | 34.54 | 36.34 |
| #2 | 1.635 | 1074. | .3088 | 36.83 | 36.09 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0226 | 17530. | 2.252 | .9926 | 3.093 |
| Stddev | .0990 | 26. | .173 | .1408 | .059 |
| %RSD | 438.2 | .1488 | 7.692 | 14.19 | 1.919 |
| #1 | .0474 | 17510. | 2.129 | .8930 | 3.051 |
| #2 | -.0926 | 17550. | 2.374 | 1.092 | 3.135 |

Check ?
 Value
 Range

Sample Name: 829300 Acquired: 5/26/2010 19:32:40 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 89.43 | 1724. | 28700. | 1423. | 76.52 |
| Stddev | 1.39 | 10. | 155. | 31. | .26 |
| %RSD | 1.555 | .5600 | .5391 | 2.187 | .3369 |
| #1 | 90.41 | 1730. | 28590. | 1401. | 76.71 |
| #2 | 88.45 | 1717. | 28810. | 1445. | 76.34 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 308.4 | 136.4 | 5.589 | 1043. | 5.746 |
| Stddev | .6 | 17.7 | .834 | 1. | 1.587 |
| %RSD | .1861 | 12.95 | 14.91 | .0766 | 27.63 |
| #1 | 308.8 | 148.8 | 4.999 | 1044. | 6.868 |
| #2 | 308.0 | 123.9 | 6.178 | 1043. | 4.623 |

Check ?
 Value
 Range

Sample Name: 829300 Acquired: 5/26/2010 19:32:40 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6914 | -.3836 | 953.6 | 2.176 | 187.7 |
| Stddev | 1.926 | 1.550 | 4.9 | .380 | .1 |
| %RSD | 278.6 | 404.1 | .5087 | 17.45 | .0748 |
| #1 | 2.054 | -1.480 | 957.0 | 1.907 | 187.6 |
| #2 | -.6707 | .7124 | 950.1 | 2.444 | 187.8 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 43.30 | -.6619 | 17.31 | 120.2 |
| Stddev | .04 | 2.771 | .93 | .2 |
| %RSD | .0983 | 418.7 | 5.357 | .1891 |
| #1 | 43.27 | 1.298 | 17.96 | 120.0 |
| #2 | 43.33 | -2.622 | 16.65 | 120.4 |

Check ?
 Value
 Range

Sample Name: 829300 Acquired: 5/26/2010 19:32:40 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 372.79 | 3477.3 | 3819.6 | 5346.5 |
| Stddev | .74 | 2.8 | 6.4 | 26.4 |
| %RSD | .19742 | .08149 | .16687 | .49346 |
| #1 | 373.31 | 3475.3 | 3824.1 | 5365.2 |
| #2 | 372.27 | 3479.4 | 3815.1 | 5327.9 |

Check ?
 Value
 Range

Sample Name: CCV Acquired: 5/26/2010 19:36:33 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.46 | 29230. | 96.97 | 694.7 | 191.9 |
| Stddev | 1.61 | 398. | 3.63 | 3.6 | 1.0 |
| %RSD | 1.650 | 1.363 | 3.746 | .5170 | .5199 |
| #1 | 96.32 | 28950. | 99.54 | 692.2 | 191.2 |
| #2 | 98.59 | 29510. | 94.40 | 697.2 | 192.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.03 | 28920. | 92.06 | 186.2 | 190.5 |
| Stddev | 1.44 | 300. | 65 | .7 | .3 |
| %RSD | 1.465 | 1.039 | .7086 | .3543 | .1808 |
| #1 | 97.02 | 28710. | 91.60 | 185.7 | 190.3 |
| #2 | 99.05 | 29130. | 92.52 | 186.6 | 190.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/26/2010 19:36:33 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 188.7 | 29070. | 29000. | 29110. | 186.1 |
| Stddev | .4 | 119. | 178. | 199. | .0 |
| %RSD | .2340 | .4085 | .6145 | .6843 | .0104 |
| #1 | 188.4 | 29150. | 28870. | 28970. | 186.1 |
| #2 | 189.0 | 28980. | 29130. | 29250. | 186.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 193.9 | 29240. | 183.0 | 196.4 | 387.9 |
| Stddev | 1.2 | 318. | .1 | 2.1 | .4 |
| %RSD | .6234 | 1.088 | .0498 | 1.062 | .0999 |
| #1 | 193.0 | 29010. | 182.9 | 194.9 | 387.6 |
| #2 | 194.7 | 29460. | 183.1 | 197.8 | 388.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/26/2010 19:36:33 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 288.9 | 93.37 | 988.8 | 191.5 | 293.7 |
| Stddev | .7 | 1.34 | .3 | .5 | 2.4 |
| %RSD | .2447 | 1.432 | .0273 | .2819 | .8289 |
| #1 | 288.4 | 92.42 | 989.0 | 191.1 | 291.9 |
| #2 | 289.4 | 94.31 | 988.6 | 191.9 | 295.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 387.3 | 102.3 | 196.1 | 194.3 |
| Stddev | .5 | .7 | .4 | .7 |
| %RSD | .1163 | .6568 | .2289 | .3396 |
| #1 | 387.0 | 102.8 | 196.4 | 193.9 |
| #2 | 387.6 | 101.9 | 195.7 | 194.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/26/2010 19:36:33 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 357.47 | 3352.6 | 3689.4 | 5107.3 |
| Stddev | .84 | 20.3 | .4 | 8.8 |
| %RSD | .23405 | .60473 | .01047 | .17261 |
| #1 | 358.06 | 3338.3 | 3689.7 | 5113.5 |
| #2 | 356.88 | 3367.0 | 3689.1 | 5101.0 |

#1 358.06 3338.3 3689.7 5113.5
 #2 356.88 3367.0 3689.1 5101.0

Sample Name: CCB Acquired: 5/26/2010 19:40:22 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0342 | -16.65 | -0.274 | .0136 | -3.274 |
| Stddev | .7871 | 2.28 | 1.666 | .8315 | 3.910 |
| %RSD | 2301. | 13.67 | 6073. | 6119. | 119.4 |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | -.5224 | -15.04 | -1.205 | .6016 | -.5093 |
| #2 | .5908 | -18.26 | 1.150 | -.5744 | -6.038 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1242 | -6.120 | -.0317 | -.6610 | .0365 |
| Stddev | .1786 | 13.72 | .5464 | .2010 | .2510 |
| %RSD | 143.8 | 224.2 | 1721. | 30.41 | 687.9 |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | .0021 | 3.584 | .3546 | -.8031 | .2140 |
| #2 | -.2504 | -15.82 | -.4181 | -.5188 | -.1410 |

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/26/2010 19:40:22 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0576 | -12.36 | 42.55 | 39.93 | -.0230 |
| Stddev | .3981 | 1.83 | 6.11 | 6.04 | .1503 |
| %RSD | 691.4 | 14.78 | 14.35 | 15.12 | 653.8 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -.2239 | -13.65 | 46.87 | 44.20 | .0833 |
| #2 | .3391 | -11.07 | 38.23 | 35.66 | -.1293 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0010 | -27.11 | -.1765 | -1.482 | .1597 |
| Stddev | .1200 | 4.77 | .5391 | .835 | .9043 |
| %RSD | 12040. | 17.59 | 305.3 | 56.31 | 566.3 |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | .0839 | -30.48 | -.5577 | -.8920 | .7992 |
| #2 | -.0859 | -23.74 | .2046 | -2.072 | -.4797 |

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/26/2010 19:40:22 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8637 | 3.506 | -2.176 | -1.339 | .0048 |
| Stddev | 1.088 | 4.046 | 1.556 | .147 | .0242 |
| %RSD | 126.0 | 115.4 | 71.51 | 11.00 | 504.9 |

| | | | | | |
|----|-------|-------|--------|--------|--------|
| #1 | .0944 | .6452 | -3.277 | -1.235 | -.0123 |
| #2 | 1.633 | 6.367 | -1.076 | -1.443 | .0219 |

Check ? High Limit Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .2021 | -.0925 | -.3121 | -.1684 |
| Stddev | .1279 | .0760 | .4409 | .1074 |
| %RSD | 63.28 | 82.18 | 141.3 | 63.77 |

| | | | | |
|----|-------|--------|--------|--------|
| #1 | .1117 | -.1462 | -.0003 | -.2444 |
| #2 | .2926 | -.0387 | -.6239 | -.0925 |

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/26/2010 19:40:22 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 374.77 | 3392.7 | 3753.7 | 5178.9 |
| Stddev | 1.63 | 6.7 | 2.7 | 21.2 |
| %RSD | .43558 | .19735 | .07096 | .40859 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 373.62 | 3387.9 | 3751.8 | 5163.9 |
| #2 | 375.92 | 3397.4 | 3755.6 | 5193.8 |

Sample Name: 829301 Acquired: 5/26/2010 19:44:18 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.079 | 718.7 | 3.010 | 18.55 | 67.56 |
| Stddev | .154 | 67.5 | .600 | .55 | 2.63 |
| %RSD | 14.30 | 9.386 | 19.92 | 2.992 | 3.898 |
| #1 | 1.188 | 671.0 | 2.586 | 18.16 | 69.42 |
| #2 | .9697 | 766.4 | 3.434 | 18.94 | 65.70 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0292 | 13770. | .4946 | .6003 | 3.975 |
| Stddev | .2236 | 73. | .5053 | .0958 | .129 |
| %RSD | 767.0 | .5320 | 102.2 | 15.96 | 3.232 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.1873 | 13720. | .1373 | .6680 | 3.884 |
| #2 | .1290 | 13830. | .8519 | .5325 | 4.066 |

Check ?
 Value
 Range

Sample Name: 829301 Acquired: 5/26/2010 19:44:18 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 49.36 | 1772. | 61860. | 3916. | 215.7 |
| Stddev | .68 | 20. | 72. | 2. | .6 |
| %RSD | 1.381 | 1.109 | .1166 | .0551 | .2664 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 49.84 | 1759. | 61810. | 3917. | 215.3 |
| #2 | 48.88 | 1786. | 61920. | 3914. | 216.1 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (ln2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 236.5 | 100.4 | 6.698 | 6177. | 9.649 |
| Stddev | .5 | 30.5 | .399 | 28. | 1.538 |
| %RSD | .2140 | 30.37 | 5.950 | .4504 | 15.94 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 236.2 | 78.84 | 6.416 | 6157. | 8.562 |
| #2 | 236.9 | 122.0 | 6.980 | 6197. | 10.74 |

Check ?
 Value
 Range

Sample Name: 829301 Acquired: 5/26/2010 19:44:18 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.385 | 4.861 | 4310. | 7.072 | 139.6 |
| Stddev | 2.421 | 4.346 | 36. | .538 | 1.4 |
| %RSD | 174.7 | 89.41 | .8354 | 7.606 | .9780 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.3264 | 1.788 | 4285. | 6.691 | 140.5 |
| #2 | 3.097 | 7.935 | 4336. | 7.452 | 138.6 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (ln2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 47.24 | -2.778 | 5.838 | 203.8 |
| Stddev | .14 | .204 | .222 | .6 |
| %RSD | .3032 | 7.358 | 3.801 | .3089 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 47.14 | -2.633 | 5.994 | 203.4 |
| #2 | 47.34 | -2.922 | 5.681 | 204.3 |

Check ?
 Value
 Range

Sample Name: 829301 Acquired: 5/26/2010 19:44:18 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | ln2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 365.85 | 3409.7 | 3757.8 | 5253.4 |
| Stddev | 2.49 | .3 | 10.0 | 54.7 |
| %RSD | .68116 | .00908 | .26523 | 1.0407 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 364.08 | 3409.9 | 3764.9 | 5214.8 |
| #2 | 367.61 | 3409.5 | 3750.8 | 5292.1 |

Sample Name: 829302 Acquired: 5/26/2010 19:48:09 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1030 | 18670. | 8.587 | 19.16 | 169.7 |
| Stddev | .3850 | 105. | .538 | .62 | 1.2 |
| %RSD | .373.9 | .5603 | 6.260 | 3.247 | .6827 |
| #1 | -1693 | 18600. | 8.207 | 19.60 | 168.8 |
| #2 | .3752 | 18750. | 8.967 | 18.72 | 170.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.069 | 32090. | 2.529 | 15.54 | 46.34 |
| Stddev | .179 | 55. | .383 | .04 | .16 |
| %RSD | 8.635 | .1727 | 15.14 | .2810 | .3401 |
| #1 | 1.943 | 32050. | 2.799 | 15.57 | 46.23 |
| #2 | 2.195 | 32130. | 2.258 | 15.51 | 46.45 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829302 Acquired: 5/26/2010 19:48:09 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 235.2 | 31840. | 13170. | 11430. | 969.8 |
| Stddev | .3 | 16. | 50. | 39. | 1.3 |
| %RSD | .1388 | .0498 | .3797 | .3445 | .1301 |
| #1 | 235.5 | 31830. | 13200. | 11460. | 970.7 |
| #2 | 235.0 | 31850. | 13130. | 11400. | 968.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 215.5 | 385.5 | 41.81 | 2494. | 59.25 |
| Stddev | .2 | 20.6 | .51 | 2. | .08 |
| %RSD | .1062 | 5.335 | 1.227 | .0685 | .1329 |
| #1 | 215.7 | 400.0 | 41.44 | 2495. | 59.31 |
| #2 | 215.4 | 370.9 | 42.17 | 2493. | 59.20 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829302 Acquired: 5/26/2010 19:48:09 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.3551 | .7214 | 3016. | 4.228 | 213.1 |
| Stddev | 1.497 | 2.146 | 20. | .408 | 1.4 |
| %RSD | 421.5 | 297.4 | .6795 | 9.655 | .6556 |
| #1 | -1.413 | 2.239 | 3031. | 4.516 | 212.1 |
| #2 | .7033 | -.7958 | 3002. | 3.939 | 214.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 830.3 | -3.124 | 67.89 | 296.9 | |
| Stddev | .0 | 1.436 | .02 | .3 | |
| %RSD | .0009 | 45.97 | .0243 | .0980 | |
| #1 | 830.3 | -4.139 | 67.88 | 296.6 | |
| #2 | 830.3 | -2.109 | 67.90 | 297.1 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829302 Acquired: 5/26/2010 19:48:09 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 367.77 | 3453.9 | 3812.0 | 5339.5 |
| Stddev | 1.17 | 8.3 | 14.8 | 25.6 |
| %RSD | .31879 | .23931 | .38940 | .48006 |
| #1 | 368.60 | 3448.0 | 3801.5 | 5357.6 |
| #2 | 366.94 | 3459.7 | 3822.5 | 5321.4 |

Sample Name: 829303 Acquired: 5/26/2010 19:51:59 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.012 | 1580. | 4206 | 61.66 | 39.89 |
| Stddev | .213 | 18 | 1.191 | .81 | .95 |
| %RSD | 21.08 | 1.123 | 283.1 | 1.318 | 2.370 |

#1 .8613 1592. 1.263 61.08 40.55
 #2 1.163 1567. -4214 62.23 39.22

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (108) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1220 | 51520. | 6.639 | 1.858 | 9.065 |
| Stddev | .2685 | 35. | .315 | .058 | .052 |
| %RSD | 220.1 | .0680 | 4.748 | 3.144 | .5698 |

#1 .3118 51490. 6.862 1.899 9.028
 #2 -.0679 51540. 6.416 1.816 9.101

Check ? Value Range
 None None None None None

Sample Name: 829303 Acquired: 5/26/2010 19:51:59 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 87.28 | 3888. | 64240. | 5361. | 263.6 |
| Stddev | .37 | 15. | 69. | 60. | 1.0 |
| %RSD | .4270 | .3824 | .1081 | 1.120 | .3694 |

#1 87.55 3878. 64190. 5404. 262.9
 #2 87.02 3899. 64280. 5319. 264.3

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 222.5 | 109.7 | 10.74 | 4506. | 17.52 |
| Stddev | 1.3 | 16.7 | .87 | 8. | 1.14 |
| %RSD | .5767 | 15.20 | 8.060 | .1687 | 6.514 |

#1 221.6 97.90 11.35 4511. 18.33
 #2 223.4 121.5 10.13 4500. 16.71

Check ? Value Range
 None None None None None

Sample Name: 829303 Acquired: 5/26/2010 19:51:59 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.176 | 2.383 | 1618. | 7.914 | 466.6 |
| Stddev | .382 | 2.584 | 5. | .028 | .5 |
| %RSD | 17.57 | 108.4 | .2915 | .3505 | .0991 |

#1 1.906 .5560 1614. 7.895 466.9
 #2 2.446 4.210 1621. 7.934 466.2

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 132.6 | -2.047 | 10.25 | 535.5 |
| Stddev | .2 | .639 | .03 | .6 |
| %RSD | .1804 | 31.23 | .3378 | .1183 |

#1 132.4 -2.499 10.22 536.0
 #2 132.8 -1.595 10.27 535.1

Check ? Value Range
 None None None None

Sample Name: 829303 Acquired: 5/26/2010 19:51:59 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 358.89 | 3353.9 | 3719.6 | 5170.0 |
| Stddev | 1.98 | 24.4 | 1.7 | 27.5 |
| %RSD | .55049 | .72820 | .04698 | .53192 |

#1 360.29 3371.1 3718.4 5189.5
 #2 357.50 3336.6 3720.9 5150.6

Sample Name: 829304 Acquired: 5/26/2010 19:55:58 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0873 | 1650. | .9401 | 61.20 | 36.58 |
| Stddev | .8224 | 11. | 1.950 | .08 | 1.62 |
| %RSD | 942.0 | .6576 | 207.4 | .1345 | 4.421 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | -4942 | 1642. | 2.319 | 61.26 | 37.72 |
| #2 | .6688 | 1658. | -.4387 | 61.15 | 35.44 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0454 | 51220. | 6.683 | 1.924 | 9.696 |
| Stddev | .3287 | 7. | .120 | .016 | .126 |
| %RSD | 724.8 | .0128 | 1.788 | .8355 | 1.296 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | .1871 | 51230. | 6.768 | 1.936 | 9.785 |
| #2 | -.2778 | 51220. | 6.599 | 1.913 | 9.607 |

Check ? Value Range
 None None None None None

Sample Name: 829304 Acquired: 5/26/2010 19:55:58 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 81.28 | 4246. | 66590. | 5213. | 256.9 |
| Stddev | .86 | 4. | 191. | 13. | .3 |
| %RSD | 1.062 | .0877 | .2861 | .2482 | .1346 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 80.67 | 4249. | 66460. | 5222. | 257.1 |
| #2 | 81.89 | 4244. | 66730. | 5204. | 256.6 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 205.2 | 87.83 | 11.23 | 4582. | 9.731 |
| Stddev | 1.3 | 14.65 | .13 | 2. | 1.116 |
| %RSD | .6492 | 16.68 | 1.137 | .0490 | 11.46 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 204.3 | 77.47 | 11.32 | 4580. | 8.943 |
| #2 | 206.2 | 98.19 | 11.14 | 4584. | 10.52 |

Check ? Value Range
 None None None None None

Sample Name: 829304 Acquired: 5/26/2010 19:55:58 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.899 | 2.842 | 1634. | 9.549 | 470.7 |
| Stddev | 1.729 | 1.071 | 25. | .116 | .6 |
| %RSD | 59.65 | 37.68 | 1.530 | 1.215 | .1357 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1.676 | 3.599 | 1616. | 9.467 | 470.3 |
| #2 | 4.122 | 2.085 | 1652. | 9.631 | 471.2 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 131.7 | -1.505 | 9.805 | 537.6 |
| Stddev | .4 | 1.448 | .008 | .3 |
| %RSD | .2800 | 96.25 | .0844 | .0608 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 131.4 | -.4806 | 9.811 | 537.9 |
| #2 | 132.0 | -2.529 | 9.799 | 537.4 |

Check ? Value Range
 None None None None

Sample Name: 829304 Acquired: 5/26/2010 19:55:58 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 359.14 | 3338.7 | 3710.9 | 5152.8 |
| Stddev | 1.12 | 4.0 | 1.0 | 11.2 |
| %RSD | .31050 | .11923 | .02762 | .21809 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 358.35 | 3341.5 | 3710.2 | 5160.8 |
| #2 | 359.93 | 3335.9 | 3711.6 | 5144.9 |

Sample Name: 829305 Acquired: 5/26/2010 19:59:56 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.052 | 1338. | 2.779 | 57.72 | 37.38 |
| Stddev | .336 | 15. | .971 | .10 | 5.03 |
| %RSD | 31.96 | 1.103 | 34.95 | .1781 | 13.45 |
| #1 | 1.289 | 1327. | 2.092 | 57.79 | 40.94 |
| #2 | .8141 | 1348. | 3.466 | 57.65 | 33.83 |

Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0214 | 19550. | 3.471 | 1.499 | 5.133 |
| Stddev | .0022 | .36 | .245 | .110 | .138 |
| %RSD | 10.22 | .1861 | 7.049 | 7.355 | 2.689 |
| #1 | .0198 | 19570. | 3.644 | 1.421 | 5.231 |
| #2 | .0229 | 19520. | 3.298 | 1.577 | 5.036 |

Check ? None None None None None
 Value
 Range

Sample Name: 829305 Acquired: 5/26/2010 19:59:56 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 125.0 | 2554. | 40910. | 2149. | 136.2 |
| Stddev | 1.4 | 5. | 204. | 18. | .3 |
| %RSD | 1.082 | .1860 | .4996 | .8445 | .2359 |
| #1 | 124.0 | 2557. | 40770. | 2136. | 135.9 |
| #2 | 125.9 | 2550. | 41050. | 2162. | 136.4 |

Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 419.9 | 296.9 | 5.086 | 1373. | 10.28 |
| Stddev | .8 | 11.3 | .296 | 2. | .44 |
| %RSD | .2020 | 3.794 | 5.828 | .1699 | 4.271 |
| #1 | 419.3 | 304.9 | 4.877 | 1375. | 10.59 |
| #2 | 420.5 | 288.9 | 5.296 | 1371. | 9.969 |

Check ? None None None None None
 Value
 Range

Sample Name: 829305 Acquired: 5/26/2010 19:59:56 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.545 | 3.799 | 1473. | 5.439 | 254.3 |
| Stddev | 1.101 | 1.037 | 7. | .125 | .2 |
| %RSD | 43.25 | 27.29 | .4613 | 2.303 | .0914 |
| #1 | 1.767 | 3.066 | 1468. | 5.350 | 254.5 |
| #2 | 3.324 | 4.531 | 1478. | 5.527 | 254.2 |

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 66.17 | -.5311 | 16.92 | 207.2 |
| Stddev | .77 | .6030 | .15 | .0 |
| %RSD | 1.164 | 113.5 | .9046 | .0224 |
| #1 | 66.71 | -.1047 | 16.81 | 207.2 |
| #2 | 65.62 | -.9574 | 17.03 | 207.1 |

Check ? None None None None
 Value
 Range

Sample Name: 829305 Acquired: 5/26/2010 19:59:56 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 368.20 | 3423.6 | 3766.8 | 5265.4 |
| Stddev | 3.90 | 8.3 | 17.6 | 26.1 |
| %RSD | 1.0597 | .24239 | .46796 | .49649 |
| #1 | 365.45 | 3417.7 | 3754.3 | 5246.9 |
| #2 | 370.96 | 3429.4 | 3779.2 | 5283.9 |

Check ? None None None None
 Value
 Range

Sample Name: 829306 Acquired: 5/26/2010 20:03:50 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2260 | 1114. | .5922 | 77.37 | 58.32 |
| Stddev | .6446 | 10. | .7373 | .36 | 1.51 |
| %RSD | 285.3 | .9240 | 124.5 | .4694 | 2.588 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | .6818 | 1107. | .0708 | 77.62 | 59.39 |
| #2 | -.2299 | 1122. | 1.114 | 77.11 | 57.25 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (108) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0665 | 29780. | 7.037 | 1.273 | 3.611 |
| Stddev | .2851 | 43. | .254 | .213 | .054 |
| %RSD | 428.9 | .1438 | 3.605 | 16.75 | 1.497 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.1351 | 29810. | 6.857 | 1.424 | 3.572 |
| #2 | .2681 | 29750. | 7.216 | 1.122 | 3.649 |

Check ? Value Range
 None None None None None

Sample Name: 829306 Acquired: 5/26/2010 20:03:50 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 111.0 | 1794. | 42690. | 2396. | 136.3 |
| Stddev | .0 | 10. | 156. | 38. | .0 |
| %RSD | .0126 | .5513 | .3644 | 1.568 | .0299 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 111.0 | 1801. | 42580. | 2422. | 136.3 |
| #2 | 111.0 | 1787. | 42800. | 2369. | 136.3 |

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 370.5 | 312.1 | 4.588 | 1560. | 6.309 |
| Stddev | .2 | 1.1 | .307 | 3. | 1.667 |
| %RSD | .0542 | .3367 | 6.685 | .2139 | 26.42 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 370.7 | 312.8 | 4.380 | 1558. | 7.488 |
| #2 | 370.4 | 311.3 | 4.815 | 1562. | 5.131 |

Check ? Value Range
 None None None None None

Sample Name: 829306 Acquired: 5/26/2010 20:03:50 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.337 | 6.349 | 1671. | 6.845 | 452.5 |
| Stddev | .822 | 2.769 | 9. | .592 | 4.1 |
| %RSD | 18.95 | 43.61 | .5438 | 8.645 | .9079 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 4.918 | 8.307 | 1678. | 7.263 | 455.4 |
| #2 | 3.756 | 4.391 | 1665. | 6.426 | 449.6 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 49.40 | -1.301 | 16.40 | 252.2 |
| Stddev | .55 | 1.838 | .72 | .1 |
| %RSD | 1.111 | 141.2 | 4.367 | .0396 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 49.79 | -2.601 | 15.90 | 252.1 |
| #2 | 49.01 | -.0019 | 16.91 | 252.2 |

Check ? Value Range
 None None None None

Sample Name: 829306 Acquired: 5/26/2010 20:03:50 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 368.23 | 3400.7 | 3771.9 | 5247.5 |
| Stddev | 4.41 | .9 | 5.4 | 34.1 |
| %RSD | 1.1972 | .02729 | .14243 | .65025 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 365.12 | 3400.1 | 3768.2 | 5271.6 |
| #2 | 371.35 | 3401.4 | 3775.7 | 5223.3 |

Sample Name: 829307 Acquired: 5/26/2010 20:07:49 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.103 | -6.554 | -1.004 | 1.074 | -2.555 |
| Stddev | .438 | 23.99 | 1.893 | 1.114 | 4.610 |
| %RSD | 39.69 | 366.0 | 188.6 | 103.8 | 180.5 |
| #1 | .7935 | -23.51 | -2.342 | 1.861 | -5.815 |
| #2 | 1.413 | 10.41 | .3346 | .2858 | .7052 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (484) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.477 | -5.973 | -5.180 | -6.491 | .3536 |
| Stddev | .0726 | 57.71 | 1.264 | 4.850 | .0954 |
| %RSD | 152.2 | 966.1 | 244.9 | 74.71 | 26.97 |
| #1 | -.0991 | 34.83 | .3774 | -.9921 | .4210 |
| #2 | .0036 | -46.78 | -1.410 | -.3062 | .2861 |

Check ? Value Range
 None None None None None

Sample Name: 829307 Acquired: 5/26/2010 20:07:49 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.878 | -1.428 | 153.1 | -7.490 | .0299 |
| Stddev | 1.158 | 5.945 | 71.3 | 5.201 | .1170 |
| %RSD | 298.7 | 416.4 | 46.55 | 69.45 | 391.6 |
| #1 | .4313 | 2.776 | 102.7 | -3.812 | -.0529 |
| #2 | -1.207 | -5.631 | 203.5 | -11.17 | .1126 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2661 | -25.20 | .1792 | 5.476 | 1.070 |
| Stddev | .3580 | 37.93 | .1228 | .789 | 1.127 |
| %RSD | 134.5 | 150.5 | 68.52 | 14.40 | 105.4 |
| #1 | .5193 | -52.02 | .2661 | 6.034 | .2726 |
| #2 | .0130 | 1.616 | .0924 | 4.918 | 1.867 |

Check ? Value Range
 None None None None None

Sample Name: 829307 Acquired: 5/26/2010 20:07:49 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.016 | 4.058 | 8.582 | 13.22 | .0309 |
| Stddev | 1.169 | .025 | 4.296 | .46 | .0433 |
| %RSD | 38.76 | .6116 | 50.05 | 3.481 | 140.2 |
| #1 | 3.843 | 4.040 | 11.62 | 13.55 | .0003 |
| #2 | 2.190 | 4.075 | 5.545 | 12.90 | .0615 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -4.768 | -1.348 | -.0215 | 3.241 |
| Stddev | .0789 | 1.273 | .6395 | .021 |
| %RSD | 16.55 | 94.46 | 2967. | .6634 |
| #1 | -.5326 | -.4475 | -.4737 | 3.257 |
| #2 | -.4210 | -2.248 | .4306 | 3.226 |

Check ? Value Range
 None None None None

Sample Name: 829307 Acquired: 5/26/2010 20:07:49 Type: Unk
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 370.73 | 3385.0 | 3746.4 | 5148.0 |
| Stddev | 3.08 | 1.2 | 21.7 | 29.9 |
| %RSD | .83142 | .03571 | .57918 | .57998 |
| #1 | 368.55 | 3384.2 | 3731.0 | 5126.9 |
| #2 | 372.91 | 3385.9 | 3761.7 | 5169.2 |

Check ? Value Range
 None None None None

Sample Name: CCV Acquired: 5/26/2010 20:11:43 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 96.81 | 29000. | 98.67 | 693.8 | 187.1 |
| Stddev | .22 | 76. | 3.37 | 2 | 2.4 |
| %RSD | .2242 | .2635 | 3.418 | .0242 | 1.259 |
| #1 | 96.66 | 28950. | 101.0 | 693.9 | 188.8 |
| #2 | 96.97 | 29050. | 96.28 | 693.6 | 185.5 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.38 | 28640. | 91.09 | 185.2 | 190.5 |
| Stddev | .30 | 190. | .17 | .7 | .5 |
| %RSD | .3105 | .6640 | .1869 | .3913 | .2734 |
| #1 | 97.59 | 28510. | 91.21 | 185.7 | 190.8 |
| #2 | 97.16 | 28780. | 90.97 | 184.7 | 190.1 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/26/2010 20:11:43 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 189.3 | 29030. | 28820. | 29020. | 186.1 |
| Stddev | 1.0 | 38. | 70. | 50. | .1 |
| %RSD | .5465 | .1318 | .2444 | .1736 | .0765 |
| #1 | 188.5 | 29000. | 28770. | 29060. | 186.0 |
| #2 | 190.0 | 29050. | 28870. | 28990. | 186.2 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 193.7 | 29070. | 182.8 | 198.4 | 388.5 |
| Stddev | .1 | 42. | .0 | 1.1 | 3.1 |
| %RSD | .0683 | .1457 | .0152 | .5413 | .8042 |
| #1 | 193.8 | 29100. | 182.8 | 199.2 | 390.7 |
| #2 | 193.6 | 29040. | 182.8 | 197.7 | 386.3 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/26/2010 20:11:43 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 288.1 | 94.82 | 989.7 | 191.4 | 291.4 |
| Stddev | .9 | .63 | 1.0 | 1.1 | 1.7 |
| %RSD | .3020 | .6687 | .0979 | .5895 | .5839 |
| #1 | 287.5 | 94.37 | 989.0 | 192.2 | 292.6 |
| #2 | 288.7 | 95.27 | 990.4 | 190.6 | 290.2 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 386.7 | 98.84 | 196.5 | 194.4 |
| Stddev | .2 | .15 | .7 | .2 |
| %RSD | .0633 | .1471 | .3551 | .1267 |
| #1 | 386.9 | 98.95 | 196.0 | 194.6 |
| #2 | 386.5 | 98.74 | 197.0 | 194.3 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/26/2010 20:11:43 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 357.40 | 3336.9 | 3695.8 | 5109.4 |
| Stddev | .70 | 8.3 | 8.4 | 14.2 |
| %RSD | .19522 | .24994 | .22722 | .27754 |
| #1 | 356.91 | 3342.8 | 3689.9 | 5099.4 |
| #2 | 357.89 | 3331.0 | 3701.8 | 5119.5 |

Sample Name: CCB Acquired: 5/26/2010 20:15:32 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8530 | -38.98 | -.0471 | 1.055 | 1.082 |
| Stddev | .5064 | 27.43 | .5536 | .693 | 3.989 |
| %RSD | 59.37 | 70.38 | 1176. | 65.67 | 3688. |
| #1 | .4949 | -58.38 | -.4386 | 1.545 | -2.713 |
| #2 | 1.211 | -19.58 | .3444 | .5652 | 2.929 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1413 | -10.12 | -.4833 | -.4971 | 1.468 |
| Stddev | .3435 | 117.5 | .3079 | .2669 | .2010 |
| %RSD | 243.1 | 1161. | 63.71 | 53.68 | 136.9 |
| #1 | .1016 | 72.97 | -.7010 | -.3084 | .0047 |
| #2 | -.3842 | -93.21 | -.2656 | -.6858 | .2889 |

#1 .1016 72.97 -.7010 -.3084 .0047
 #2 -.3842 -93.21 -.2656 -.6858 .2889

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/26/2010 20:15:32 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0594 | -19.79 | 61.86 | 5.323 | -.0603 |
| Stddev | .3419 | 10.40 | 1.34 | 27.17 | .0581 |
| %RSD | 575.3 | 52.58 | 2.169 | 510.4 | 96.42 |
| #1 | .3012 | -27.14 | 60.91 | 24.53 | -.1014 |
| #2 | -.1823 | -12.43 | 62.81 | -13.89 | -.0192 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5423 | -6.449 | -.5716 | -1.032 | 2.845 |
| Stddev | .2758 | 18.00 | .4852 | 2.020 | .415 |
| %RSD | 50.85 | 279.2 | 84.89 | 195.6 | 14.57 |
| #1 | .7373 | 6.282 | -.2285 | .3957 | 2.552 |
| #2 | .3473 | -19.18 | -.9147 | -2.461 | 3.139 |

#1 .7373 6.282 -.2285 .3957 2.552
 #2 .3473 -19.18 -.9147 -2.461 3.139

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/26/2010 20:15:32 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8309 | 3.512 | 3.195 | .1513 | -.0070 |
| Stddev | 1.777 | .389 | 1.749 | .1043 | .0539 |
| %RSD | 213.9 | 11.07 | 54.74 | 68.93 | 764.4 |
| #1 | -.4259 | 3.787 | 1.959 | .0775 | .0311 |
| #2 | 2.088 | 3.237 | 4.432 | .2250 | -.0452 |

#1 -.4259 3.787 1.959 .0775 .0311
 #2 2.088 3.237 4.432 .2250 -.0452

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1985 | 1.706 | -.2636 | -.1575 |
| Stddev | .3206 | .696 | .1388 | .2086 |
| %RSD | 161.5 | 40.81 | 52.66 | 132.5 |
| #1 | .4252 | 2.198 | -.3618 | -.3050 |
| #2 | -.0282 | 1.214 | -.1655 | -.0099 |

#1 .4252 2.198 -.3618 -.3050
 #2 -.0282 1.214 -.1655 -.0099

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/26/2010 20:15:32 Type: QC
 Method: 6010B(v59) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 374.81 | 3399.9 | 3760.6 | 5185.1 |
| Stddev | .28 | 3.4 | 2.7 | 26.4 |
| %RSD | .07542 | .10073 | .07240 | .50867 |
| #1 | 375.00 | 3397.5 | 3758.7 | 5203.7 |
| #2 | 374.61 | 3402.3 | 3762.6 | 5166.4 |

#1 375.00 3397.5 3758.7 5203.7
 #2 374.61 3402.3 3762.6 5166.4



Sample Preparation – Metals

Sample Prep:
EX Method:

Test Method:

Batch ID:

01221

Date: 5/8/10

[illegible]

0112151413

METALS DIGESTION LOG

137210

| Batch Information: | | Method Information: | | | | Reagent & Standard Traceability: | | | |
|--------------------|---------|----------------------|---------|----------|---|----------------------------------|-------|-------------|---|
| Date: | 5/26/10 | Digestion Method(s): | ILM04.1 | ILM05.4 | HCl Tag ID: | MEHLLACID-00014 | 5 mL | LCS Lot # | MESPIKE-00008, MESPIKE-00003, MESPIKE-00004 |
| Start Time: | 9:25 | 3005AES | 3010AES | 3010MS | HNO ₃ Tag ID | MEHND-00009 | 5 mL | Spike Added | 1.0 1.0 5.0 |
| Stop Time: | 12:25 | 3050AES | 200.7 | 200.8 DW | 1:1 HCl Lot # | N/A | mL | True Value | See SOP |
| Analyst: | ALS | TTMS | CEC | SAR | 1:1 HNO ₃ Lot # | MEHND-00004 | 10 mL | MS Lot # | MESPIKE-00008, MESPIKE-00004 |
| Spike Analyst: | ALS | Matrix: | Water | Soil | 30% H ₂ O ₂ Lot # | N/A | mL | Spike Added | 1.0 1.0 |
| Spike Witness: | MMH | | Tissue | Air | 2% HNO ₃ Lot # | ↓ | mL | True Value | See SOP |

| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Before Digestion | | | After Digestion | | | Comments |
|------------|-----------|-------------------------------|--------------|------------------|---------|---------|-----------------|-----------|---------|----------|
| | | | | Color | Clarity | Texture | Artifacts | Color | Clarity | |
| PBS052610D | 1.00 | 1.12 | 100 | | | | | | | |
| LCS052610D | 1.00 | 1.06 | 100 | | | | | | | |
| 829287 | A1 | 1.32 | | Lt Brown | | Coarse | | Lt Yellow | clear | |
| 829287MS | | 1.30 | | ↓ | | | | | | |
| 829287DP | | 1.16 | | | | | | | | |
| 829288 | | 1.21 | | | | | | | | |
| 829289 | | 1.15 | | Green | | | | | | |
| 829290 | | 1.10 | | ↓ | | | | | | |
| 829291 | | 1.08 | | Lt Brown | | | | | | |
| 829292 | | 1.07 | | ↓ | | | | | | |
| 829293 | | 1.13 | | Green | | | | | | |
| 829294 | | 1.16 | | Lt Brown | | | | | | |
| 829295 | | 1.21 | | Green | | | | | | |
| 829296 | | 1.30 | | Lt Brown | | | | | | |
| 829297 | | 1.08 | | Green | | | | | | |
| 829298 | | 1.11 | | Lt Brown | | | | | | |
| 829299 | | 1.18 | | Green | | | | | | |
| 829300 | | 1.36 | | Lt Brown | | | | | | |
| 829301 | | 1.27 | | Green | | | | | | |
| 829302 | | 1.13 | | Lt Brown | | | | | | |
| 829303 | | 1.18 | | Green | | | | | | |
| 829304 | | 1.17 | | ↓ | | | | | | |
| 829305 | | 1.10 | | Lt Brown | | | | | | |
| 829306 | ✓ | 1.14 | | ↓ | | | | | | |

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature: Block 1 °C Block 2 °C Block 3 °C Block 4 °C Block 5 95 °C Block 6 95 °C Block 7 °C Block 8 °C

BR-FME002:04.02.08:7

TestAmerica

Page 19 of 100



METALS DIGESTION LOG

| Batch Information: | | Method Information: | | | | Reagent & Standard Traceability: | | | | | |
|---|----------------------|---------------------|------------------------|--------------|---------------|----------------------------------|---|---------------------------|-------------------------|----------------|----------|
| Date: | Digestion Method(s): | ILM04.1 | ILM05.4 | HCl Tag ID: | LCS Lot # | Start Time: | 3005AES | 3005MS | HNO ₃ Tag ID | mL Spike Added | |
| Stop Time: | 3050AES | 3050MS | 200.7 | 200.8 DW | mL True Value | Analyst: | TTMS | CEC | 1:1 HCl Lot # | mL MS Lot #: | |
| Spike Analyst: | Matrix: | Water | Soil | Tissue | Air | Spike Witness: | 30% H ₂ O ₂ Lot # | 2% HNO ₃ Lot # | mL Spike Added | mL mg/L | |
| 829307 | Bottle ID | Amount | Digestion ¹ | Final Volume | Color | Clarity | Texture | Artifacts | Color | Clarity | Comments |
| | N/A | 1.00 | | 100 | Colorless | clear | | | Yellow | clear | |
| <div style="font-size: 2em; transform: rotate(-45deg); opacity: 0.5;"> <p>5/26/10</p> <p>WAL</p> </div> | | | | | | | | | | | |

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature: Block 1 °C Block 2 °C Block 3 °C Block 4 °C Block 5 °C Block 6 °C Block 7 °C Block 8 °C

BR-FME002:04.02.08.7

| STANDARD TRACEABILITY RECORDS | | |
|-------------------------------------|------------------------|--|
| ICP-OES Instrument | | |
| Date: 5/26/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 052610-01A | TFS | <input type="checkbox"/> 6010 / 200.7 <input checked="" type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052610-02 | JSLW | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | Lot Number | |
| Used for all methods: | | |
| STD 7: | MESTD7W 00004 | |
| STD 8: | MESTD8W 00008 | |
| STD 4: | MESTD4W 00012 | |
| ICV: | MEICVW 00005 | |
| CCV: | MECCVW 00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME 5% 2% RINSEW 00015 | |
| Internal Standard Solution: | ME ICP 7 ISW 00007 | |
| Used for methods 6010 & 200.7: | | |
| ICSA 6010: | ME 6010 ICSA W 00008 | |
| ICSAB 6010: | ME 6010 ICSAB W 00001 | |
| CRI 6010: | ME 6010 CRI W 00006 | |
| DOD LRV Solution: | | |
| 6010 Post Spiking Solution: | | |
| 5 PPM AG: | | |
| Used for method ILM05.4: | | |
| CRI ILM05.4: | ME 5.4 AES CRI W 00005 | |
| ICSA ILM05.4: | ME 5.4 ICSA W 00004 | |
| ICSAB ILM05.4: | ME 5.4 ICSAB W 00001 | |
| Used for method ISM01.2: | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |



Sample Handling

COLEX

DO NOT LIFT USING THIS TAG

| | | |
|---|------------------------|---------------------------------|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number () |
| Company | Dent /Floor/Suite/Room | |
| Street Address | City | |
| FedEx 0006 OF 0006 MPS# 0260 8716 0065 9992 Mstr# 8675 7103 9650 0215 | | |
| XH BTVA | | |
|  | | |
| Emp# 580578 03MAY10 APAA | | |
| © 2004 FedEx 149949 RE | | |

**TUE - 04 MAY AA
PRIORITY OVERNIGHT**

**05403
VT-US
BTB**

DO NOT LIFT USING THIS TAG

| | | |
|--|------------------------|---------------------------------|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number () |
| Company | Dent /Floor/Suite/Room | |
| Street | City | |
| FedEx 0005 OF 0006 MPS# 0260 8716 0066 0003 Mstr# 8675 7103 9650 0215 | | |
| XH BTVA | | |
|  | | |
| Emp# 580578 03MAY10 APAA | | |
| © 2004 Fed | | |

**TUE - 04 MAY AA
PRIORITY OVERNIGHT**

**05403
VT-US
BTB**

**TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST**

| | | |
|--|--------------------------------|----------------------------------|
| Client: <u>CRSCOD</u> | Date Received: <u>05/04/10</u> | Log In Date: <u>05/06/10</u> |
| ETR: <u>137210</u> | Time Received: <u>1015</u> | By: <u>unf</u> |
| SDG: <u>137210</u> | Received By: <u>VP</u> | Signature: <u>[Signature]</u> |
| Project: <u>290050</u> | # Coolers Received: <u>6</u> | PM Signature: <u>[Signature]</u> |
| Samples Delivered By: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify) | | Date: <u>5/10/10</u> |
| List Air bill Number(s) or Attach a photocopy of the Air Bill: | | |

| COOLER SCREEN | YES | NO | NA | COMMENTS |
|--|-------------------------------------|-------------------------------------|----|----------|
| There is no evidence to indicate tampering | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seals are present and intact | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seal numbers are present | | <input checked="" type="checkbox"/> | | |
| If yes, list custody seal numbers: | | | | |

| | | | | |
|---|---------------------------------------|---------------|---------------|--|
| Thermal Preservation Type: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other (specify) | | | | |
| IR Gun ID: <u>96</u> | Correction Factor (CF) = <u>-2</u> °C | | | |
| Cooler 1: <u>2.0</u> °C | Cooler 6: <u>4.3</u> °C | Cooler 11: °C | Cooler 16: °C | |
| Cooler 2: <u>2.2</u> °C | Cooler 7: °C | Cooler 12: °C | Cooler 17: °C | |
| Cooler 3: <u>4.2</u> °C | Cooler 8: °C | Cooler 13: °C | Cooler 18: °C | |
| Cooler 4: <u>0.6</u> °C | Cooler 9: °C | Cooler 14: °C | Cooler 19: °C | |
| Cooler 5: <u>2.8</u> °C | Cooler 10: °C | Cooler 15: °C | Cooler 20: °C | |

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun
 EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.
 Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

| SAMPLE CONDITION | YES | NO | NA | COMMENTS |
|---|-------------------------------------|----|----|----------|
| Sample containers were received intact | <input checked="" type="checkbox"/> | | | |
| Legible sample labels are affixed to each container | <input checked="" type="checkbox"/> | | | |

| CHAIN OF CUSTODY (COC) | YES | NO | NA | COMMENTS |
|---|-------------------------------------|-------------------------------------|-------------------------------------|----------|
| COC is present and includes the following information for each container: | | | | |
| • Sample ID / Sample Description | <input checked="" type="checkbox"/> | | | |
| • Date of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Time of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Identification of the Sampler | <input checked="" type="checkbox"/> | | | |
| • Preservation Type | | | <input checked="" type="checkbox"/> | |
| • Requested Tests Method(s) | <input checked="" type="checkbox"/> | | | |
| • Necessary Signatures | <input checked="" type="checkbox"/> | | | |
| Internal Chain of Custody (ICOC) Required | | <input checked="" type="checkbox"/> | | |
| If yes to above, ICOC Record initiated for every Worksheet | | | <input checked="" type="checkbox"/> | |

| SAMPLE INTEGRITY/USABILITY | YES | NO | NA | COMMENTS |
|---|-------------------------------------|----|-------------------------------------|----------|
| The sample container matches the COC | <input checked="" type="checkbox"/> | | | |
| Appropriate sample containers were received for the tests requested | <input checked="" type="checkbox"/> | | | |
| Samples were received within holding time | <input checked="" type="checkbox"/> | | | |
| Sufficient amount of sample is provided for requested analyses | <input checked="" type="checkbox"/> | | | |
| VOA vials do not have headspace or a bubble >6mm (1/4" diameter) | | | <input checked="" type="checkbox"/> | |
| Appropriate preservatives were used for the tests requested | | | <input checked="" type="checkbox"/> | |
| pH of inorganic samples checked and is within method specification | | | <input checked="" type="checkbox"/> | |
| If no, attach Inorganic Sample pH Adjustment Form | | | <input checked="" type="checkbox"/> | |

ANOMALY/ NCR SUMMARY

All volumes for this login received in 2 of 6 cooler at 2.2°C and 4.3°C, copies of airbills attached.

QC 70s breached due to length, all hypoxes removed & login.

TestAmerica
South Burlington, VT
Extended Data Package

137213

TestAmerica Laboratories, Inc.

May 26, 2010

Ms. Sheri O'Conner
URS Corporation
1099 18th Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: CMI; SDG: 137213

Dear Ms. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137213 | | | |
| 829309 | CVR3TR12T02NPLTGAW | 05/02/10 | TISSUE |
| 829309DP | CVR2TR12T02NPLTGAWREP | 05/02/10 | TISSUE |
| 829309MD | CVR3TR12T02NPLTGAWMSD | 05/02/10 | TISSUE |
| 829310 | CVR2TR1-3-T03N-PLTFAW | 05/01/10 | TISSUE |
| 829311 | CVR2TR1-3-T03N-PLTFBW | 05/01/10 | TISSUE |
| 829312 | CVR2TR2-1-T02N-PLTGAW | 04/30/10 | TISSUE |
| 829313 | CVR2TR2-1-T02N-PLTGBW | 04/30/10 | TISSUE |
| 829314 | CVR2TR2-2-T02N-PLTGAW | 04/30/10 | TISSUE |
| 829315 | CVR2TR2-2-T02N-PLTGBW | 04/30/10 | TISSUE |
| 829316 | CVR2TR2-2-T03N-PLTFAW | 04/30/10 | TISSUE |
| 829317 | CVR2TR2-2-T03D-PLTFAW | 04/30/10 | TISSUE |
| 829318 | CVR2TR2-2-T03N-PLTFBW | 04/30/10 | TISSUE |
| 829319 | CVR2TR2-2-T03D-PLTFBW | 04/30/10 | TISSUE |
| 829320 | CVR2TR2-3-T02N-PLTGAW | 04/30/10 | TISSUE |
| 829321 | CVR2TR2-3-T02N-PLTGBW | 04/30/10 | TISSUE |
| 829322 | CVR2TR3-1-T02N-PLTGAW | 04/28/10 | TISSUE |
| 829323 | CVR2TR3-1-T02N-PLTGBW | 04/28/10 | TISSUE |
| 829324 | CVR2TR3-2-T02N-PLTGAW | 04/28/10 | TISSUE |
| 829325 | CVR2TR3-2-T02N-PLTGBW | 04/28/10 | TISSUE |
| 829326 | CVR2TR3-2-T04N-PLTSAW | 04/28/10 | TISSUE |
| 829327 | CVR2TR3-2-T04N-PLTSBW | 04/28/10 | TISSUE |
| 829328 | CVR2TR3-3-T02N-PLTGAW | 04/29/10 | TISSUE |
| 829329 | EQBLK01 | | TISSUE |



Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B: Tissue

The tissue samples were homogenized prior to analysis via 6010B. There were no method related quality control anomalies noted during the analysis of these samples.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joseph Carabillo', is written over a light blue horizontal line.

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|---|------------|
| Chain of Custody | 2 |
| Sample Report Summary Wet Chemistry | 6 |
| Supportive Documentation Wet Chemistry | 28 |
| Sample Report Summary Metals | 32 |
| QC Summary Metals | 55 |
| Supportive Documentation Metals | 79 |
| Sample Preparation Metals | 127 |
| Sample Handling | 132 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody

| Project Name | | Project Number | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | PRESERVATIVE | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|--|--------------------------------------|--|---|--|----------|--|----------|--|--------|--|----------------------------|--|--------------|--|-----------------------------|--|------|--|------|--|-------|--|-------|--|-------|--|------------|--|------|--|------------|--|------------|--|-----------|--|--|--|
| Project Manager | | Report CC | | FAX # | | SAMPLING | | TIME | | MATRIX | | Total Number of Containers | | Total Metals | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | | |
| CMI Soil + Vegetation | | 22241609.02000 | | (303) 694-3946 (URS) | | Liz Best | | 03/01/10 | | 1540 | | 0 | | 1 | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address | | 3181 E Tufts Ave Denver, CO 80237 | | Sample's Printed Name | | Liz Best | | 03/01/10 | | 1540 | | 0 | | 1 | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # | | (303) 332-5297 | | Sample's Signature | | Liz Best | | 03/01/10 | | 1600 | | 1 | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | DATE | | TIME | | MATRIX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-2-T03N-PLTFAW | | | | 03/01/10 | | 1540 | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-2-T03D-PLTFAW | | | | 03/01/10 | | 1540 | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-2-T03N-PLTFAW | | | | 03/01/10 | | 1600 | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-2-T03D-PLTFAW | | | | 03/01/10 | | 1600 | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-3-T03N-PLTFAW | | | | 03/01/10 | | 1600 | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-3-T03N-PLTFAW | | | | 03/01/10 | | 1600 | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-1-T02N-PLTFAW | | | | 04/30/10 | | 1630 | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TRI-1-T02N-PLTFAW | | | | 04/30/10 | | 1640 | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| SPECIAL INSTRUCTIONS/COMMENTS | | TURNAROUND REQUIREMENTS | | REPORT REQUIREMENTS | | INVOICE INFORMATION | |
|-------------------------------|--|---|--|--|--|---|--|
| Inorganic suite includes: | | RUSH (surcharge apply) 24 hr 48 hr 5 day | | I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No per work order | | PO# BILL TO: Sheri-O'Connor SUBMISSION #: | |

| SAMPLE RECEIPT: CONDITION/COOLER TEMP: | | CUSTODY SEALS: | |
|--|--|----------------|--|
| 4.3 | | N | |

| RELINQUISHED BY | | RECEIVED BY | |
|----------------------------|--------------------------------|--------------------------------|--------------------------------|
| Signature Liz Best | Signature Sheri-O'Connor | Signature Sheri-O'Connor | Signature Sheri-O'Connor |
| Printed Name Liz Best | Printed Name Sheri-O'Connor | Printed Name Sheri-O'Connor | Printed Name Sheri-O'Connor |
| Firm URS | Firm URS | Firm URS | Firm URS |
| Date/Time 05/03/10 1500 | Date/Time 05/04/10 1015 | Date/Time 05/04/10 1015 | Date/Time 05/04/10 1015 |

| | | | | | |
|--|--|---|--|--|--|
| Project Name CMI Soil + Vegetation | | Project Number 222417 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | |
| Project Manager Marc Soellner | | Report CC Sheri-O'Connor | | PRESERVATIVE | |
| Company/Address 881 E Tufts Ave Denver, CO 80237 | | FAX # (303) 694-3946 (URS) | | Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | |
| Phone # (303) 332-5297 | | Sampler's Printed Name Liz Best | | REMARKS | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | LAB CONTAINER | |
| CVR2TR2-2-T02N-PLTGAW | | DATE 04/30/10 | | TIME 1500 | |
| CVR2TR2-2-T02N-PLTGAW | | DATE 04/30/10 | | TIME 1615 | |
| CVR2TR2-2-T03N-PLTFAW | | DATE 04/30/10 | | TIME 1510 | |
| CVR2TR2-2-T03D-PLTFAW | | DATE 04/30/10 | | TIME 1510 | |
| CVR2TR2-2-T03N-PLTFAW | | DATE 04/30/10 | | TIME 1530 | |
| CVR2TR2-2-T03D-PLTFAW | | DATE 04/30/10 | | TIME 1530 | |
| CVR2TR2-3-T02N-PLTGAW | | DATE 04/30/10 | | TIME 1355 | |
| CVR2TR2-3-T02N-PLTGAW | | DATE 04/30/10 | | TIME 1425 | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | veg. | |
| URS Contact: sheri-o'connor@urcorp.com | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | veg. | |
| See SOW <input checked="" type="checkbox"/> | | See QAPP <input type="checkbox"/> | | CUSTODY SEALS: Y N | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 4.3 | | RECEIVED BY | | RELINQUISHED BY | |
| Signature: Liz Best | | Signature: [Signature] | | Signature: [Signature] | |
| Printed Name: Liz Best | | Printed Name: [Name] | | Printed Name: [Name] | |
| Firm: URS | | Firm: [Firm] | | Firm: [Firm] | |
| Date/Time: 05/03/10 1500 | | Date/Time: 05/04/10 1015 | | Date/Time: [Date/Time] | |
| REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata <input type="checkbox"/> Yes <input type="checkbox"/> No per work order | | TURNAROUND REQUIREMENTS RUSH (surcharges apply) 24 hr 48 hr 5 day X STANDARD per work order REQUESTED FAX DATE REQUESTED REPORT DATE | | INVOICE INFORMATION PO# BILL TO: Sheri-O'Connor SUBMISSION #: | |
| RELINQUISHED BY | | RECEIVED BY | | RECEIVED BY | |
| Signature: [Signature] | | Signature: [Signature] | | Signature: [Signature] | |
| Printed Name: [Name] | | Printed Name: [Name] | | Printed Name: [Name] | |
| Firm: [Firm] | | Firm: [Firm] | | Firm: [Firm] | |
| Date/Time: [Date/Time] | | Date/Time: [Date/Time] | | Date/Time: [Date/Time] | |



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Work Order #

PAGE 13 OF 13

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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|---|--|------|--|--------|--|----------------------------|--|--------------|--|-----------------------------|--|------|--|-----|--|-------|--|-------|--|-------|--|------------|--|------|--|------------|--|------------|--|---|--|--------------|--|
| Project Name CMI Soil + Vegetation | | Project Number 22241609.02000 | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager Marc Soellner | | Report CC sheri-o'connor@urscorp.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address 8181 E Tufts Ave Denver, CO 80237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # (303) 332-5297 | | FAX # (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature Liz Best | | Sampler's Printed Name Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | FOR LAB USE ONLY | | SAMPLING DATE | | TIME | | MATRIX | | Total Number of Containers | | Total Metals | | Inorganic Suite (see notes) | | VOCs | | BTX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | PRESERVATIVE | |
| CVR2TR3-1-TO2N-PLTGAW | | | | 04/28/10 | | 1610 | | O | | 1 | | Z | | | | | | | | | | | | | | | | | | | | | | 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | | | |
| CVR2TR3-1-TO2N-PLTGBW | | | | 04/28/10 | | 1630 | | | | 1 | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-2-TO2N-PLTGAW | | | | 04/28/10 | | 1645 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-2-TO2N-PLTGBW | | | | 04/28/10 | | 1645 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-2-TO4N-PLTSAW | | | | 04/28/10 | | 1700 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-2-TO4N-PLTSBW | | | | 04/28/10 | | 1700 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-3-TO2N-PLTGAW | | | | 04/29/10 | | 0715 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-3-TO2N-PLTGBW | | | | 04/29/10 | | 0730 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS Inorganic suite includes: | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other | | veg. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| URS Contact: sheri-o'connor@urscorp.com | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| See SOW <input checked="" type="checkbox"/> | | See QAPP <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE RECEIPT: CONDITION/COOLER TEMP: 4.3 | | CUSTODY SEALS Y N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY Signature Liz Best | | RECEIVED BY Signature Vu Pham | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printed Name Liz Best | | Printed Name Vu Pham | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Firm URS | | Firm TA Lab | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date/Time 05/03/10 1500 | | Date/Time 05/04/10 1015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY Signature Sheri O'Connor | | RECEIVED BY Signature Sheri O'Connor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Printed Name Sheri O'Connor | | Printed Name Sheri O'Connor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Firm URS | | Firm URS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date/Time 05/03/10 1500 | | Date/Time 05/04/10 1015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

W:\General\Chemistry\COCC Forms\URS General.doc 11/20/06 11:32 AM

White and Yellow to lab

Pink - sample management

Cooler _____ of _____



Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR12T02NPLTGAW

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829309

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 29.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 29.8 | |

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WET CHEMISTRY
Duplicate Sample Report Summary

Client Sample No.
CVR2TR12T02NPLTGAW

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829309DP

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 29.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | Sample Result Conc. | Sample Result Qual. | Duplicate Sample Result Conc. | Duplicate Sample Result Qual. | RPD ¹ |
|--------|-----------------|---------------------|------------------|-------|---------------------|---------------------|-------------------------------|-------------------------------|------------------|
| IN623 | Solids, Percent | 05/18/10 | | % | 29.8 | | 29.1 | | 2 |

1 - Control Limit for RPD is +/- 20%, unless otherwise specified.

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-3-T03N-PLTFA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829310

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 22.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 22.9 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR1-3-T03N-PLTFB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829311

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 34.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 34.4 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
CVR2TR2-1-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829312

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 30.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 30.5 | |

Printed on: 05/19/10 10:41 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
CVR2TR2-1-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829313

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 32.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 32.0 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-2-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829314

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 25.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 25.3 | |

Printed on: 05/19/10 10:41 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-2-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829315

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 26.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 26.1 | |

Printed on: 05/19/10 10:41 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-2-T03N-PLTFA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829316

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 21.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 21.5 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-2-T03D-PLTFA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829317

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 20.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 20.5 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-2-T03N-PLTFB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829318

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 32.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 32.4 | |

Printed on: 05/19/10 10:41 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-2-T03D-PLTFB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829319

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 36.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 36.5 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-3-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829320

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 29.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|------------------------|---------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 29.4 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR2-3-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829321

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 32.0

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 32.0 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.
CVR2TR3-1-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829322

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 28.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN823 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 28.3 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-1-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829323

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 34.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 34.6 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-2-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829324

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 26.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 28.9 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-2-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829325

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 31.9

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 31.9 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-2-T04N-PLTSA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829326

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 27.6

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 27.6 | |

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WET CHEMISTRY

Sample Report Summary

Client Sample No. _____

CVR2TR3-2-T04N-PLTSB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829327

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 37.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 37.5 | |

Printed on: 05/19/10 10:41 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-3-T02N-PLTGA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137213

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829328

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 24.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/18/10 | | % | 1 | 0.10 | 24.7 | |

Printed on: 05/19/10 10:41 AM



Supportive Documentation – Wet Chemistry



Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

| | | | | | | |
|--|---------|----------------|-----------------------------|----------------------------------|----------------|------------------|
| Analysis Start Date: 5/18/2010 | | Oven ID: 2 | | Analysis End Date: 5/19/2010 | | |
| Analysis Start Time: 19:30 | | Time In: 20:30 | | Analysis End Time: 8:51 | | |
| Start Analyst: MNT | | Time Out: 8:44 | | End Analyst: AN | | |
| Start Analyst Signature: <i>AN for MNT</i> | | | | End Analyst Signature: <i>AN</i> | | |
| | | | | | | |
| LAB ID | Dish ID | Dish Weight | Weight of Dish + Wet Sample | Weight of Dish + Dry Sample | Percent Solids | Percent Moisture |
| | | (g) | (g) | (g) | (%) | (%) |
| 829265 | 1 | 0.98 | 3.56 | 1.94 | 37.2 | 63 |
| 829265DP | 2 | 0.98 | 4.19 | 2.05 | 33.3 | 67 |
| 829266 | 3 | 1.02 | 4.09 | 1.57 | 17.9 | 82 |
| 829267 | 4 | 0.99 | 3.92 | 1.42 | 14.7 | 85 |
| 829268 | 5 | 0.98 | 3.87 | 2.20 | 42.2 | 58 |
| 829269 | 6 | 1.00 | 5.61 | 2.28 | 27.8 | 72 |
| 829270 | 7 | 0.99 | 3.21 | 1.61 | 27.9 | 72 |
| 829271 | 8 | 1.01 | 5.12 | 2.11 | 26.8 | 73 |
| 829272 | 9 | 0.97 | 4.16 | 1.58 | 19.1 | 81 |
| 829273 | 10 | 1.00 | 3.81 | 1.39 | 13.9 | 86 |
| 829274 | 11 | 1.02 | 3.14 | 1.69 | 31.6 | 68 |
| 829275 | 12 | 1.00 | 4.43 | 2.16 | 33.8 | 66 |
| 829276 | 13 | 0.97 | 5.23 | 1.70 | 17.1 | 83 |
| 829277 | 14 | 0.99 | 3.45 | 1.35 | 14.6 | 85 |
| 829278 | 15 | 0.97 | 4.40 | 2.22 | 36.4 | 64 |
| 829279 | 16 | 1.03 | 4.03 | 2.03 | 33.3 | 67 |
| 829280 | 17 | 1.01 | 3.88 | 1.72 | 24.7 | 75 |
| 829281 | 18 | 0.97 | 5.59 | 2.36 | 30.1 | 70 |
| 829282 | 19 | 0.99 | 4.33 | 2.23 | 37.1 | 63 |
| 829283 | 20 | 1.02 | 3.65 | 2.02 | 38.0 | 62 |
| 829284 | 21 | 0.97 | 4.29 | 1.71 | 22.3 | 78 |
| 829309 | 22 | 0.99 | 2.70 | 1.50 | 29.8 | 70 |
| 829309DP | 23 | 0.98 | 2.70 | 1.48 | 29.1 | 71 |
| 829310 | 24 | 0.99 | 3.04 | 1.46 | 22.9 | 77 |
| 829311 | 25 | 1.00 | 5.01 | 2.38 | 34.4 | 66 |
| 829312 | 26 | 0.99 | 3.25 | 1.68 | 30.5 | 70 |
| 829313 | 27 | 0.99 | 4.15 | 2.00 | 32.0 | 68 |
| 829314 | 28 | 1.01 | 4.97 | 2.01 | 25.3 | 75 |
| 829315 | 29 | 1.00 | 4.30 | 1.86 | 26.1 | 74 |
| 829316 | 30 | 1.00 | 4.35 | 1.72 | 21.5 | 79 |

Calculation: Percent Wet Weight = $\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)

Percent Solids Determination

| | | | | | |
|--------------------------|------------|-----------|-------|------------------------|-----------|
| Analysis Start Date: | 5/18/2010 | Oven ID: | 2 | Analysis End Date: | 5/19/2010 |
| Analysis Start Time: | 19:30 | Time In: | 20:30 | Analysis End Time: | 8:54 |
| Start Analyst: | MNT | Time Out: | 8:44 | End Analyst: | AN |
| Start Analyst Signature: | AN for MNT | | | End Analyst Signature: | AN |

[illegible]

Calculation: Percent Wet Weight = $\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$

Where:

$$\text{Weight of Dry Sample} = (\text{Weight of Dish + Dry Sample}) (\text{g}) - \text{Dish Weight} (\text{g})$$
$$\text{Weight of Wet Sample} = (\text{Weight of Dish} + \text{Wet Sample}) \text{ (g)} - \text{Dish Weight (g)}$$



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213

SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|-----------------------|----------------|
| CVR2TR12T02NPLTGAWD | 829309DP |
| CVR2TR1-3-T03N-PLTFAW | 829310 |
| CVR2TR1-3-T03N-PLTFBW | 829311 |
| CVR2TR2-1-T02N-PLTGAW | 829312 |
| CVR2TR2-1-T02N-PLTGBW | 829313 |
| CVR2TR2-2-T02N-PLTGAW | 829314 |
| CVR2TR2-2-T02N-PLTGBW | 829315 |
| CVR2TR2-2-T03D-PLTFAW | 829317 |
| CVR2TR2-2-T03D-PLTFBW | 829319 |
| CVR2TR2-2-T03N-PLTFAW | 829316 |
| CVR2TR2-2-T03N-PLTFBW | 829318 |
| CVR2TR2-3-T02N-PLTGAW | 829320 |
| CVR2TR2-3-T02N-PLTGBW | 829321 |
| CVR2TR3-1-T02N-PLTGAW | 829322 |
| CVR2TR3-1-T02N-PLTGBW | 829323 |
| CVR2TR3-2-T02N-PLTGAW | 829324 |
| CVR2TR3-2-T02N-PLTGBW | 829325 |
| CVR2TR3-2-T04N-PLTSAW | 829326 |
| CVR2TR3-2-T04N-PLTSBW | 829327 |
| CVR2TR3-3-T02N-PLTGAW | 829328 |
| CVR3TR12T02NPLTGAW | 829309 |
| CVR3TR12T02NPLTGAWS | 829309MS |
| EQBLK01 | 829329 |

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

COVER PAGE - IN

-1-

EPA SAMPLE NO.

CVR2TR1-3-T03N-PLTFAW

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 82.8 | | | P |

Comments: _____

Page 34 of 134

-1-

EPA SAMPLE NO.

CVR2TR1-3-T03N-PLTFBW

| | | | | | | | |
|----------------------|------------------------|----------------|----------|----------|--|----------|--------|
| Lab Name: | TestAmerica Burlington | Contract: | 29000 | | | | |
| Lab Code: | STLVT | Case No.: | CMIS&V | SAS No.: | | SDG No.: | 137213 |
| Matrix (soil/water): | TISSUE | Lab Sample ID: | 829311 | | | | |
| Level (low/med): | LOW | Date Received: | 5/4/2010 | | | | |
| % Solids: | 34.4 | | | | | | |

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 146 | | | P |

| | | | | | |
|---------------|---------------------|-----------------|--------------|------------|---------------|
| Color Before: | <u>brown</u> | Clarity Before: | <u></u> | Texture: | <u>coarse</u> |
| Color After: | <u>light yellow</u> | Clarity After: | <u>clear</u> | Artifacts: | <u>roots</u> |

Comments:

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-1-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829312
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 30.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 126 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-1-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829313
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 32.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 74.0 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-2-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829314
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 25.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 108 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

-1-

EPA SAMPLE NO.

CVR2TR2-2-T02N-PLTGBW

| | | | | | | | |
|----------------------|------------------------|----------------|----------|----------|--|----------|--------|
| Lab Name: | TestAmerica Burlington | Contract: | 29000 | | | | |
| Lab Code: | STLVT | Case No.: | CMIS&V | SAS No.: | | SDG No.: | 137213 |
| Matrix (soil/water): | TISSUE | Lab Sample ID: | 829315 | | | | |
| Level (low/med): | LOW | Date Received: | 5/4/2010 | | | | |
| % Solids: | 26.1 | | | | | | |

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 87.6 | | | P |

| | | | | | |
|---------------|---------------------|-----------------|-----------------------------|------------|---------------|
| Color Before: | <u>light brown</u> | Clarity Before: | <u> </u> | Texture: | <u>coarse</u> |
| Color After: | <u>light yellow</u> | Clarity After: | <u>clear</u> | Artifacts: | <u>roots</u> |
| Comments: | | | | | |

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-2-T03D-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829317
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 20.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 67.6 | | | P |

Color Before: brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: twigs

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-2-T03D-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829319
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 36.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 90.0 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-2-T03N-PLTFAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829316
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 21.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 60.0 | | | P |

Color Before: brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: twigs

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-2-T03N-PLTFBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829318
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 32.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 76.7 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-3-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829320
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 29.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 100 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR2-3-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829321
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 32.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 62.4 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-1-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829322
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 28.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 32.2 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-1-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829323
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 34.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 25.3 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-2-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829324
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 26.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 40.7 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-2-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829325
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 31.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 59.7 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-2-T04N-PLTSAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829326
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 27.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 48.3 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-2-T04N-PLTSBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829327
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 37.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 9.5 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: twigs

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-3-T02N-PLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829328
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 24.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 50.4 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR12T02NPLTGAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829309
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 29.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 43.2 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: grass
Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

EQBLK01

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Lab Sample ID: 829329
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.047 | U | | P |

Color Before: colorless Clarity Before: clear Texture: _____
Color After: light yellow Clarity After: clear Artifacts: _____
Comments: _____

Form I - IN



QC Summary – Metals

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137213
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 526.50 | 105.3 | 200.0 | 203.70 | 101.8 | 200.20 | 100.1 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 201.30 | 100.6 | 201.00 | 100.5 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|------------|------|-------|----|-----------------------|------------------|---------------|----------------|-------------|
| | True | Found | %R | Initial True | Initial Found | Initial %R | Final Found | Final %R |
| Molybdenum | | | | 10.0 | 13.45 | 134.5 | | |

Control Limits: no limits have been established by EPA at this time

Form IIB-IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213Preparation Blank Matrix (soil/water): SOLIDPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | M |
|------------|--------------------------------------|--|-----|-----|--|--|--|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| Molybdenum | 2.4 | 1.2 | 0.5 | 0.6 | | | | 0.047 | P |

Form III - IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137213

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | M |
|------------|--------------------------------------|--|---|---|--|--|--|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| Molybdenum | | 0.5 | U | | | | | | P |

Form III - IN

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213ICP ID Number: TJA ICAP 7 ICS Source: Inorganic VenturesConcentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|-------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | -1 | 1006.0 | 102.0 | | | |

Form IV - IN

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR3TR12T02NPLTGAW5

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 29.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|---------------------|------|---|---|
| Molybdenum | 80 - 120 | 195.6658 | 43.1581 | 156.81 | 97.3 | | P |

Comments:

Form V (PART 1) - IN

USEPA-CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR3TR12T02NPLTGAWA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213Matrix (soil/water): TISSUE Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added(SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|--------------------|------|---|---|
| Molybdenum | | 624.70 | | 138.90 | | 500.0 | 97.2 | | P |

Comments: _____

Form V (PART 2) - IN

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR2TR12T02NPLTGAWD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 29.8 % Solids for Duplicate: 29.1Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|------------|---------------|------------|---|---------------|---|------|---|---|
| Molybdenum | | 43.1581 | | 49.3077 | | 13.3 | | P |

Form VI - IN

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137213Solid LCS Source: Inorganic VenturesAqueous LCS Source:

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | |
|------------|----------------|-------|----|---------------|-------|---|-------------|-------|
| | True | Found | %R | True | Found | C | Limits | %R |
| Molybdenum | | | | 50.0 | 50.3 | | 40.0 60.0 | 100.6 |

Form VII - IN

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

CVR3TR12T02NPLTGAWL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
Matrix (soil/water): TISSUE Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) | | Serial Dilution Result (S) | | % Differ- ence | Q | M |
|------------|------------------------------|--|-------------------------------|--|-------------------|---|---|
| | C | | C | | | | |
| Molybdenum | 138.90 | | 140.20 | | 0.9 | | P |

Form IX - IN

USEPA-CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|-----------|---------------------|-------------|----------------|---------------|---|
| Molybdenu | 202.030 | | 10 | 0.47 | P |

Comments: _____

Form X - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137213

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137213ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments: _____

Form XII - IN

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213Method: P

| EPA Sample No. | Preparation Date | Initial Volume mL | Volume (mL) |
|----------------------|---------------------|----------------------|----------------|
| CVR2TR12T02NPLTGAWD | 5/19/2010 | 1.11 | 100.0 |
| CVR2TR1-3-T03N-PLTFA | 5/19/2010 | 1.24 | 100.0 |
| CVR2TR1-3-T03N-PLTFB | 5/19/2010 | 1.18 | 100.0 |
| CVR2TR2-1-T02N-PLTGA | 5/19/2010 | 1.11 | 100.0 |
| CVR2TR2-1-T02N-PLTGB | 5/19/2010 | 1.28 | 100.0 |
| CVR2TR2-2-T02N-PLTGA | 5/19/2010 | 1.21 | 100.0 |
| CVR2TR2-2-T02N-PLTGB | 5/19/2010 | 1.11 | 100.0 |
| CVR2TR2-2-T03D-PLTFA | 5/19/2010 | 1.21 | 100.0 |
| CVR2TR2-2-T03D-PLTFB | 5/19/2010 | 1.19 | 100.0 |
| CVR2TR2-2-T03N-PLTFA | 5/19/2010 | 1.11 | 100.0 |
| CVR2TR2-2-T03N-PLTFB | 5/19/2010 | 1.28 | 100.0 |
| CVR2TR2-3-T02N-PLTGA | 5/19/2010 | 1.09 | 100.0 |
| CVR2TR2-3-T02N-PLTGB | 5/19/2010 | 1.14 | 100.0 |
| CVR2TR3-1-T02N-PLTGA | 5/19/2010 | 1.15 | 100.0 |
| CVR2TR3-1-T02N-PLTGB | 5/19/2010 | 1.60 | 100.0 |
| CVR2TR3-2-T02N-PLTGA | 5/19/2010 | 1.15 | 100.0 |
| CVR2TR3-2-T02N-PLTGB | 5/19/2010 | 1.23 | 100.0 |
| CVR2TR3-2-T04N-PLTSA | 5/19/2010 | 1.20 | 100.0 |
| CVR2TR3-2-T04N-PLTSB | 5/19/2010 | 1.16 | 100.0 |
| CVR2TR3-3-T02N-PLTGA | 5/19/2010 | 1.25 | 100.0 |
| CVR3TR12T02NPLTGAW | 5/19/2010 | 1.08 | 100.0 |
| CVR3TR12T02NPLTGAWs | 5/19/2010 | 1.07 | 100.0 |
| EQBLK01 | 5/19/2010 | 1.00 | 100.0 |
| LCSS051910B | 5/19/2010 | 1.00 | 100.0 |
| PBS051910B | 5/19/2010 | 1.00 | 100.0 |

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/22/2010 End Date: 5/22/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K I | S E | A G | N A | T L | V L | Z N | C N | | | | |
| S0 | 1.00 | 1545 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD7 | 1.00 | 1549 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 1553 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 1557 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1601 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICB | 1.00 | 1605 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSA | 1.00 | 1609 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSAB | 1.00 | 1613 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CRI | 1.00 | 1616 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1620 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1624 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PBS051910B | 1.00 | 1628 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LCSS051910B | 1.00 | 1632 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR12T02NPLTGAW | 1.00 | 1636 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR12T02NPLTGAWL | 5.00 | 1640 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR12T02NPLTGAWA | 1.00 | 1644 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR12T02NPLTGAWS | 1.00 | 1648 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR12T02NPLTGAWD | 1.00 | 1652 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR1-3-T03N-PLTF | 1.00 | 1655 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR1-3-T03N-PLTF | 1.00 | 1659 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-1-T02N-PLTG | 1.00 | 1703 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1707 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1711 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-1-T02N-PLTG | 1.00 | 1715 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T02N-PLTG | 1.00 | 1719 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T02N-PLTG | 1.00 | 1723 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T03N-PLTF | 1.00 | 1727 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T03D-PLTF | 1.00 | 1731 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T03N-PLTF | 1.00 | 1734 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T03D-PLTF | 1.00 | 1738 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-3-T02N-PLTG | 1.00 | 1742 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR2-3-T02N-PLTG | 1.00 | 1746 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-1-T02N-PLTG | 1.00 | 1750 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1754 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1758 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-1-T02N-PLTG | 1.00 | 1802 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-2-T02N-PLTG | 1.00 | 1806 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-2-T02N-PLTG | 1.00 | 1810 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Form XIV - IN

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137213
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/22/2010 End Date: 5/22/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S E | A G | N A | T L | V N | Z N | C N | | |
| CVR2TR3-2-T04N-PLTS | 1.00 | 1813 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR2TR3-2-T04N-PLTS | 1.00 | 1817 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CVR2TR3-3-T02N-PLTG | 1.00 | 1821 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| EQBLK01 | 1.00 | 1825 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCV | 1.00 | 1829 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |
| CCB | 1.00 | 1833 | | | | | | | | | | | | | | | | | | | | | | | | | | * | |

Form XIV - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137213
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/22/2010 End Date: 5/22/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|--|--|--|--|--|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I | | | | | |
| S0 | 1.00 | 15:45 | | | | | X | | | | | | | | | | | | | | | | | |
| STD7 | 1.00 | 15:49 | | | | | | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 15:53 | | | | | | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 15:57 | | | | | X | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 16:01 | | | | | X | | | | | | | | | | | | | | | | | |
| ICB | 1.00 | 16:05 | | | | | X | | | | | | | | | | | | | | | | | |
| ICSA | 1.00 | 16:09 | | | | | X | | | | | | | | | | | | | | | | | |
| ICSAB | 1.00 | 16:13 | | | | | X | | | | | | | | | | | | | | | | | |
| CRI | 1.00 | 16:16 | | | | | X | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 16:20 | | | | | X | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 16:24 | | | | | X | | | | | | | | | | | | | | | | | |
| PBS051910B | 1.00 | 16:28 | | | | | X | | | | | | | | | | | | | | | | | |
| LCSS051910B | 1.00 | 16:32 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR3TR12T02NPLTGAW | 1.00 | 16:36 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR3TR12T02NPLTGAW | 5.00 | 16:40 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR3TR12T02NPLTGAW | 1.00 | 16:44 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR3TR12T02NPLTGAW | 1.00 | 16:48 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR12T02NPLTGAW | 1.00 | 16:52 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR1-3-T03N-PLT | 1.00 | 16:55 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR1-3-T03N-PLT | 1.00 | 16:59 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR2-1-T02N-PLT | 1.00 | 17:03 | | | | | X | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 17:07 | | | | | X | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 17:11 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR2-1-T02N-PLT | 1.00 | 17:15 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T02N-PLT | 1.00 | 17:19 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T02N-PLT | 1.00 | 17:23 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T03N-PLT | 1.00 | 17:27 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T03D-PLT | 1.00 | 17:31 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T03N-PLT | 1.00 | 17:34 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR2-2-T03D-PLT | 1.00 | 17:38 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR2-3-T02N-PLT | 1.00 | 17:42 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR2-3-T02N-PLT | 1.00 | 17:46 | | | | | X | | | | | | | | | | | | | | | | | |
| CVR2TR3-1-T02N-PLT | 1.00 | 17:50 | | | | | X | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 17:54 | | | | | X | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 17:58 | | | | | X | | | | | | | | | | | | | | | | | |

Form XIV - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137213
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/22/2010 End Date: 5/22/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|--|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I | |
| | | | | U | I | O | S | D | | | | | | | | | | | | |
| CVR2TR3-1-T02N-PLT | 1.00 | 18:02 | | | | | X | | | | | | | | | | | | | |
| CVR2TR3-2-T02N-PLT | 1.00 | 18:06 | | | | | X | | | | | | | | | | | | | |
| CVR2TR3-2-T02N-PLT | 1.00 | 18:10 | | | | | X | | | | | | | | | | | | | |
| CVR2TR3-2-T04N-PLT | 1.00 | 18:13 | | | | | X | | | | | | | | | | | | | |
| CVR2TR3-2-T04N-PLT | 1.00 | 18:17 | | | | | X | | | | | | | | | | | | | |
| CVR2TR3-3-T02N-PLT | 1.00 | 18:21 | | | | | X | | | | | | | | | | | | | |
| EQBLK01 | 1.00 | 18:25 | | | | | X | | | | | | | | | | | | | |
| CCV | 1.00 | 18:29 | | | | | X | | | | | | | | | | | | | |
| CCB | 1.00 | 18:33 | | | | | X | | | | | | | | | | | | | |

Form XIV - IN



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: TFS

Date: 5/22/2010

Reviewed by: *[Signature]*

Date: 5/24/10

QC Review by: *[Signature]*

Date: 05/24/10

TJA ICAP 7

ICP METALS 6010 *B*

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis | | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----------------|-----------|----------|----|--------|----------------|------------|------------------|
| | Date | Time | | | | | |
| 1. CalibStd-Blk | 5/22/2010 | 15:45:51 | 1 | WATER | 052210-02A.txt | | <i>+ Mo</i> |
| 2. STD7 | 5/22/2010 | 15:49:45 | 1 | WATER | 052210-02A.txt | | |
| 3. STD8 | 5/22/2010 | 15:53:36 | 1 | WATER | 052210-02A.txt | | |
| 4. STD4 | 5/22/2010 | 15:57:34 | 1 | WATER | 052210-02A.txt | | |
| 5. ICV1 | 5/22/2010 | 16:01:33 | 1 | WATER | 052210-02A.txt | | |
| 6. ICB1 | 5/22/2010 | 16:05:27 | 1 | WATER | 052210-02A.txt | | |
| 7. ICSA1 | 5/22/2010 | 16:09:21 | 1 | WATER | 052210-02A.txt | | |
| 8. ICSAB1 | 5/22/2010 | 16:13:10 | 1 | WATER | 052210-02A.txt | | |
| 9. CRI1 | 5/22/2010 | 16:16:56 | 1 | WATER | 052210-02A.txt | | |
| 10. CCV1 | 5/22/2010 | 16:20:48 | 1 | WATER | 052210-02A.txt | | |
| 11. CCB1 | 5/22/2010 | 16:24:38 | 1 | WATER | 052210-02A.txt | | |
| 12. PBS051910B | 5/22/2010 | 16:28:33 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 13. LCSS051910B | 5/22/2010 | 16:32:26 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 14. 829309 | 5/22/2010 | 16:36:20 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 15. 829309L | 5/22/2010 | 16:40:14 | 5 | WATER | 052210-02A.txt | PBICPS0519 | |
| 16. 829309A | 5/22/2010 | 16:44:08 | 1 | WATER | 052210-02A.txt | PBICPS0519 | |
| 17. 829309MS | 5/22/2010 | 16:48:03 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 18. 829309DP | 5/22/2010 | 16:52:00 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 19. 829310 | 5/22/2010 | 16:55:54 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 20. 829311 | 5/22/2010 | 16:59:52 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 21. 829312 | 5/22/2010 | 17:03:49 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 22. CCV2 | 5/22/2010 | 17:07:43 | 1 | WATER | 052210-02A.txt | | |
| 23. CCB2 | 5/22/2010 | 17:11:31 | 1 | WATER | 052210-02A.txt | | |
| 24. 829313 | 5/22/2010 | 17:15:25 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 25. 829314 | 5/22/2010 | 17:19:16 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 26. 829315 | 5/22/2010 | 17:23:09 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 27. 829316 | 5/22/2010 | 17:27:01 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 28. 829317 | 5/22/2010 | 17:31:00 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 29. 829318 | 5/22/2010 | 17:34:59 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 30. 829319 | 5/22/2010 | 17:38:59 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 31. 829320 | 5/22/2010 | 17:42:56 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 32. 829321 | 5/22/2010 | 17:46:49 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 33. 829322 | 5/22/2010 | 17:50:41 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 34. CCV3 | 5/22/2010 | 17:54:34 | 1 | WATER | 052210-02A.txt | | |
| 35. CCB3 | 5/22/2010 | 17:58:23 | 1 | WATER | 052210-02A.txt | | |
| 36. 829323 | 5/22/2010 | 18:02:17 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 37. 829324 | 5/22/2010 | 18:06:08 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 38. 829325 | 5/22/2010 | 18:10:01 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 39. 829326 | 5/22/2010 | 18:13:53 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 40. 829327 | 5/22/2010 | 18:17:44 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 41. 829328 | 5/22/2010 | 18:21:38 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 42. 829329 | 5/22/2010 | 18:25:33 | 1 | SOIL | 052210-02A.txt | PBICPS0519 | |
| 43. CCV4 | 5/22/2010 | 18:29:28 | 1 | WATER | 052210-02A.txt | | |
| 44. CCB4 | 5/22/2010 | 18:33:18 | 1 | WATER | 052210-02A.txt | | |

Analytical Review Report

Data File: 052210-02A.txt

Date Printed: 5/24/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/22/2010

Analysis End Date: 5/22/2010

Start Time: 15:45:5

End Time: 18:33:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|---------|-------|---------|-----|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 33.14 | -0.0002 | | | | |
| STD4 | 1 | | 0.859 | 0.000 | 0.000 | 0.14 | 0.86 | | | | |
| ICV1 | 1 | PASS | 526.500 | 525.500 | 527.500 | 0.27 | 526.50 | 105.3 | ✓ 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 2.371 | 2.682 | 2.059 | 18.58 | 2.4 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | -0.549 | 0.085 | -1.184 | 163.20 | -0.55 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 1006.000 | 1003.000 | 1010.000 | 0.48 | 1010 | 102.4 | ✓ 986 | 80 | 120 |
| CR11 | 1 | PASS | 13.450 | 13.500 | 13.410 | 0.45 | 13.45 | 134.5 | ✓ 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 203.700 | 202.500 | 205.000 | 0.86 | 203.70 | 101.8 | ✓ 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 1.178 | 1.038 | 1.318 | 16.81 | 1.2 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 200.200 | 199.500 | 201.000 | 0.54 | 200.20 | 100.1 | ✓ 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.328 | 0.298 | 0.358 | 12.93 | 0.3 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 201.300 | 200.800 | 201.800 | 0.34 | 201.30 | 100.6 | ✓ 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.641 | 0.840 | 0.442 | 43.87 | 0.6 | | | | +/-10.00 |
| CCV4 | 1 | PASS | 201.000 | 200.200 | 201.900 | 0.60 | 201.00 | 100.5 | ✓ 200.0 | 90 | 110 |
| CCB4 | 1 | PASS | 0.417 | 0.342 | 0.492 | 25.49 | 0.4 | | | | +/-10.00 |

Quality Control and Field Samples

| | | | | | | | | | | | |
|-------------|---|------|---------|---------|---------|---------|----------|-------|--------|------|----------|
| PBS051910B | 1 | PASS | 0.405 | 0.357 | 0.452 | 16.63 | 0.040 | | | | +/-10.00 |
| LCSS051910B | 1 | PASS | 503.300 | 503.100 | 503.600 | 0.06 | 50.3 | 100.6 | ✓ 50.0 | 40.0 | 60.0 |
| 829309 | 1 | PASS | 138.900 | 138.300 | 139.500 | 0.64 | 43.2 | | | | |
| 829309L | 5 | FAIL | 140.200 | 142.100 | 138.400 | 1.86 | 701.00 | | | | |
| 829309A | 1 | PASS | 624.700 | 623.000 | 626.300 | 0.37 | 624.70 | 97.2 | 500.0 | 80 | 120 |
| 829309MS | 1 | PASS | 623.900 | 622.500 | 625.200 | 0.30 | 195.6658 | 97.3 | 156.81 | 80 | 120 |
| 829309DP | 1 | PASS | 163.100 | 162.900 | 163.300 | 0.18 | 49.3077 | | | | |
| 829310 | 1 | PASS | 235.200 | 234.300 | 236.100 | 0.53 | 82.8 | | | | |
| 829311 | 1 | PASS | 592.300 | 591.300 | 593.300 | 0.24 | 146 | | | | |
| 829312 | 1 | PASS | 426.800 | 426.500 | 427.100 | 0.10 | 126 | | | | |
| 829313 | 1 | PASS | 303.200 | 302.700 | 303.600 | 0.21 | 74.0 | | | | |
| 829314 | 1 | PASS | 330.200 | 329.500 | 331.000 | 0.31 | 108 | | | | |
| 829315 | 1 | PASS | 253.700 | 253.400 | 254.000 | 0.16 | 87.6 | | | | |
| 829316 | 1 | PASS | 143.200 | 143.100 | 143.300 | 0.14 | 60.0 | | | | |
| 829317 | 1 | PASS | 167.800 | 167.800 | 167.900 | 0.04 | 67.6 | | | | |
| 829318 | 1 | PASS | 317.900 | 317.700 | 318.100 | 0.08 | 76.7 | | | | |
| 829319 | 1 | PASS | 390.700 | 391.000 | 390.400 | 0.12 | 90.0 | | | | |
| 829320 | 1 | PASS | 320.900 | 320.300 | 321.600 | 0.28 | 100 | | | | |
| 829321 | 1 | PASS | 227.600 | 227.400 | 227.900 | 0.15 | 62.4 | | | | |
| 829322 | 1 | PASS | 104.900 | 105.000 | 104.900 | 0.04 | 32.2 | | | | |
| 829323 | 1 | PASS | 140.300 | 140.000 | 140.500 | 0.27 | 25.3 | | | | |
| 829324 | 1 | PASS | 125.900 | 126.000 | 125.900 | 0.08 | 40.7 | | | | |
| 829325 | 1 | PASS | 234.300 | 234.500 | 234.000 | 0.15 | 59.7 | | | | |
| 829326 | 1 | PASS | 159.900 | 159.800 | 160.000 | 0.06 | 48.3 | | | | |
| 829327 | 1 | PASS | 41.130 | 41.180 | 41.080 | 0.17 | 9.5 | | | | |
| 829328 | 1 | PASS | 155.600 | 155.000 | 156.100 | 0.51 | 50.4 | | | | |
| 829329 | 1 | PASS | -0.025 | -0.340 | 0.290 | 1804.00 | -0.0025 | | | | |

0.47
50,000
BAA052410

Sample Name: CalibStd-Blk Acquired: 5/22/2010 15:45:51 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0071 | .0006 | .0007 | .0002 | .0000 |
| Stddev | .0010 | .0045 | .0001 | .0000 | .0000 |
| %RSD | 13.75 | 734.1 | 9.481 | 1.122 | 633.5 |
| #1 | -.0064 | .0038 | .0007 | .0002 | .0001 |
| #2 | -.0078 | -.0025 | .0006 | .0002 | -.0001 |
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -.0006 | .0006 | -.0038 | -.0037 | -.0005 |
| Stddev | .0012 | .0013 | .0005 | .0001 | .0001 |
| %RSD | 201.1 | 219.6 | 13.36 | 2.662 | 16.10 |
| #1 | -.0014 | -.0003 | -.0042 | -.0037 | -.0005 |
| #2 | .0003 | .0015 | -.0035 | -.0038 | -.0004 |
| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0698 | -.0078 | -.0292 | -.0001 | .0002 |
| Stddev | .0052 | .0001 | .0033 | .0014 | .0013 |
| %RSD | 7.409 | 1.715 | 11.19 | 2163. | 705.0 |
| #1 | .0662 | -.0078 | -.0315 | .0009 | -.0007 |
| #2 | .0735 | -.0077 | -.0269 | -.0010 | .0011 |

Sample Name: CalibStd-Blk Acquired: 5/22/2010 15:45:51 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|----------------|---------------|----------------|----------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -.0002 | -.0278 | .0042 | -.0002 | -.0099 |
| Stddev | .0001 | .0032 | .0003 | .0000 | .0011 |
| %RSD | 33.14 | 11.40 | 6.418 | 1.650 | 10.98 |
| #1 | -.0003 | -.0255 | .0040 | -.0002 | -.0107 |
| #2 | -.0002 | -.0300 | .0044 | -.0002 | -.0092 |
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -.0001 | .0020 | .0736 | .0003 | .0228 |
| Stddev | .0003 | .0000 | .0004 | .0000 | .0012 |
| %RSD | 319.3 | 1.645 | .6086 | 3.489 | 5.306 |
| #1 | -.0003 | .0020 | .0733 | .0003 | .0219 |
| #2 | .0001 | .0019 | .0740 | .0003 | .0237 |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | |
| Avg | -.0094 | -.0037 | -.0069 | .0024 | |
| Stddev | .0018 | .0001 | .0013 | .0006 | |
| %RSD | 19.16 | 3.799 | 19.00 | 23.69 | |
| #1 | -.0081 | -.0036 | -.0060 | .0028 | |
| #2 | -.0107 | -.0038 | -.0078 | .0020 | |

Analyst: TFS

Sample Name: CalibStd-Blk Acquired: 5/22/2010 15:45:51 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 437.03 | 3911.8 | 3885.0 | 4944.0 |
| Stddev | .46 | .5 | 4.2 | 7.5 |
| %RSD | .10556 | .01213 | .10747 | .15261 |
| #1 | 437.35 | 3912.1 | 3882.0 | 4949.4 |
| #2 | 436.70 | 3911.4 | 3887.9 | 4938.7 |

Sample Name: STD7 Acquired: 5/22/2010 15:49:45 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 (85) | 318.128 (106) | 271.441 (124)2 | 766.490 (44) | 279.079 (121) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.715 | .7959 | 8.631 | 1.783 | .9310 |
| Stddev | .004 | .0005 | .036 | .010 | .0014 |
| %RSD | .1661 | .0575 | .4131 | .5820 | .1523 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.712 | .7955 | 8.656 | 1.775 | .9320 |
| #2 | 2.718 | .7962 | 8.606 | 1.790 | .9300 |

| | |
|--------|---------------|
| Elem | Na-LL |
| Line | 589.592 (57) |
| IS Ref | (Y_HWRD) |
| Units | Cts/S |
| Avg | 5.815 |
| Stddev | .001 |
| %RSD | .0083 |

| | |
|----|-------|
| #1 | 5.815 |
| #2 | 5.815 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_HWRD |
| Line | 224.306 (150) | 371.030 (91) |
| Units | Cts/S | Cts/S |
| Avg | 3815.2 | 4935.0 |
| Stddev | 3.4 | 54.7 |
| %RSD | .09037 | 1.1088 |

| | | |
|----|--------|--------|
| #1 | 3812.8 | 4973.7 |
| #2 | 3817.6 | 4896.3 |

Sample Name: STD8 Acquired: 5/22/2010 15:53:36 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
|-----------|---------------|---------------|---------------|---------------|----------------|
| Line | 189.042 (479) | 220.353 (453) | 206.833 (463) | 196.090 (472) | 189.989 (477)2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0617 | 2.871 | .0767 | .0468 | .1818 |
| Stddev | .0002 | .027 | .0000 | .0001 | .0002 |
| %RSD | .2587 | .9439 | .0186 | .2188 | .1115 |
| #1 | .0616 | 2.852 | .0767 | .0467 | .1817 |
| #2 | .0618 | 2.890 | .0767 | .0469 | .1819 |
| Elem | Ti-LL | | | | |
| Line | 190.856 (477) | | | | |
| IS Ref | (In2306) | | | | |
| Units | Cts/S | | | | |
| Avg | .9862 | | | | |
| Stddev | .0125 | | | | |
| %RSD | 1.263 | | | | |
| #1 | .9773 | | | | |
| #2 | .9950 | | | | |
| Int. Std. | In2306 | Y_-LWAX | | | |
| Line | 230.606 (446) | 224.306 (450) | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 436.01 | 3912.8 | | | |
| Stddev | 3.55 | 10.9 | | | |
| %RSD | .81423 | .27960 | | | |
| #1 | 438.52 | 3920.5 | | | |
| #2 | 433.50 | 3905.1 | | | |

Sample Name: STD4 Acquired: 5/22/2010 15:57:34 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | B_-LL | Ba-LL | Be-LL | Cd-HL |
| Line | 328.068 (103)2 | 208.959 (461) | 233.527 (144) | 313.042 (108) | 228.802 (447) |
| IS Ref | (Y_-HWAX) | (Y_-LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.300 | .3575 | .0983 | 2.464 | .9443 |
| Stddev | .007 | .0006 | .0005 | .007 | .0013 |
| %RSD | .2965 | .1658 | .5286 | .2960 | .1425 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.305 | .3571 | .0987 | 2.459 | .9452 |
| #2 | 2.296 | .3579 | .0979 | 2.469 | .9433 |

| | | | | | |
|--------|---------------|---------------|----------------|----------------|---------------|
| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
| Line | 228.616 (447) | 205.552 (464) | 324.754 (104)2 | 257.610 (131)2 | 202.030 (467) |
| IS Ref | (Y_-LWAX) | (Y_-LWAX) | (Y_HWAX) | (Y_HWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.021 | 1.467 | 7.015 | 24.08 | .8585 |
| Stddev | .002 | .001 | .020 | .05 | .0012 |
| %RSD | .1446 | .0759 | .2909 | .1987 | .1415 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1.022 | 1.466 | 7.030 | 24.12 | .8576 |
| #2 | 1.020 | 1.468 | 7.001 | 24.05 | .8593 |

| | | | | | |
|--------|---------------|---------------|---------------|---------------|----------------|
| Elem | Ni-LL | P_-HL | Si-LL | Sr-LL | Ti-LL |
| Line | 231.604 (445) | 178.284 (489) | 288.158 (117) | 407.771 (83) | 334.904 (101)2 |
| IS Ref | (Y_-LWAX) | (Y_-LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .5860 | .0774 | 4.454 | 72.11 | 5.327 |
| Stddev | .0004 | .0001 | .013 | .30 | .009 |
| %RSD | .0625 | .1651 | .2871 | .4171 | .1739 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .5857 | .0773 | 4.463 | 72.32 | 5.334 |
| #2 | .5862 | .0775 | 4.445 | 71.90 | 5.321 |

Sample Name: STD4 Acquired: 5/22/2010 15:57:34 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | |
|--------|----------------|---------------|
| Elem | V_-LL | Zn-LL2 |
| Line | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S |
| Avg | 3.239 | 3.294 |
| Stddev | .003 | .007 |
| %RSD | .0848 | .2033 |

| | | |
|----|-------|-------|
| #1 | 3.241 | 3.289 |
| #2 | 3.237 | 3.299 |

| | | | |
|-----------|---------------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_-LWAX | Y_HWRD |
| Line | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 3918.6 | 3899.7 | 4986.3 |
| Stddev | 17.1 | 15.1 | 13.0 |
| %RSD | .43643 | .38829 | .26147 |

| | | | |
|----|--------|--------|--------|
| #1 | 3906.5 | 3889.0 | 4995.5 |
| #2 | 3930.7 | 3910.4 | 4977.1 |

Sample Name: ICV Acquired: 5/22/2010 16:01:33 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 495.9 | 26370. | 260.8 | 511.0 | 499.3 |
| Stddev | .5 | .47 | .7 | 1.1 | .5 |
| %RSD | .0948 | .1788 | .2608 | .2125 | .1100 |
| #1 | 496.2 | 26330. | 261.2 | 510.3 | 498.9 |
| #2 | 495.6 | 26400. | 260.3 | 511.8 | 499.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 516.8 | 25630. | 491.7 | 490.1 | 495.4 |
| Stddev | .2 | .108 | .8 | .2 | .3 |
| %RSD | .0355 | .4219 | .1691 | .0362 | .0692 |
| #1 | 517.0 | 25700. | 491.1 | 490.3 | 495.1 |
| #2 | 516.7 | 25550. | 492.3 | 490.0 | 495.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/22/2010 16:01:33 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 478.0 | 26130. | 25930. | 25140. | 485.9 |
| Stddev | .7 | .63 | .46 | .16 | .6 |
| %RSD | .1559 | .2394 | .1790 | .0649 | .1335 |
| #1 | 478.5 | 26080. | 25970. | 25160. | 485.5 |
| #2 | 477.4 | 26170. | 25900. | 25130. | 486.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 526.5 | 25350. | 478.5 | 524.6 | 1024. |
| Stddev | 1.4 | .20 | .8 | .3 | 2. |
| %RSD | .2736 | .0794 | .1619 | .0515 | .2238 |
| #1 | 525.5 | 25340. | 477.9 | 524.7 | 1025. |
| #2 | 527.5 | 25370. | 479.0 | 524.4 | 1022. |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/22/2010 16:01:33 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 252.7 | 254.4 | 268.4 | 227.7 | 493.1 |
| Stddev | 1.2 | .1 | 4.8 | 1.4 | 5.1 |
| %RSD | .4736 | .0359 | 1.786 | .6339 | 1.043 |
| #1 | 251.9 | 254.4 | 271.8 | 226.7 | 496.8 |
| #2 | 253.6 | 254.3 | 265.0 | 228.8 | 489.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Th-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 515.2 | 253.1 | 514.6 | 510.0 |
| Stddev | .3 | 1.4 | .1 | .1 |
| %RSD | .0542 | .5446 | .0116 | .0115 |
| #1 | 515.4 | 252.1 | 514.5 | 510.0 |
| #2 | 515.0 | 254.0 | 514.6 | 509.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/22/2010 16:01:33 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 404.19 | 3820.0 | 3825.0 | 4916.2 |
| Stddev | .52 | 1.1 | 2.7 | 7.7 |
| %RSD | .12773 | .02841 | .07095 | .15758 |
| #1 | 403.83 | 3819.2 | 3826.9 | 4910.7 |
| #2 | 404.56 | 3820.7 | 3823.0 | 4921.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/22/2010 16:05:27 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -4647 | -31.38 | -1.923 | 2.285 | -8792 |
| Stddev | .9432 | 49.29 | .944 | .832 | .5164 |
| %RSD | 203.0 | 157.1 | 49.07 | 36.39 | 58.74 |

#1 .2023 -66.23 -2.591 2.873 -1.244
 #2 -1.132 3.474 -1.256 1.697 -5.140

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.689 | 12.89 | .5560 | .0291 | .0950 |
| Stddev | .0402 | 62.89 | .4047 | .4278 | .0450 |
| %RSD | 58.39 | 488.0 | 72.79 | 1469. | 47.36 |

#1 -.0405 57.36 .2698 -.2734 .1268
 #2 -.0974 -31.58 .8422 .3316 .0632

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/22/2010 16:05:27 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.166 | 2.480 | 21.12 | 46.43 | .1103 |
| Stddev | .111 | 4.390 | 138.5 | 29.07 | .1041 |
| %RSD | 9.487 | 177.0 | 655.7 | 62.62 | 94.38 |

#1 1.244 5.584 -76.80 66.99 .0367
 #2 1.088 -.6246 119.0 25.87 .1839

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.371 | -32.56 | .1626 | -1.236 | 1.946 |
| Stddev | .440 | 12.56 | .1615 | .398 | 2.737 |
| %RSD | 18.58 | 38.58 | 99.30 | 32.20 | 140.7 |

#1 2.682 -41.44 .2768 -1.518 .0103
 #2 2.059 -23.68 .0484 -.9546 3.881

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/22/2010 16:05:27 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.707 | .5091 | -1.680 | .2858 | .0663 |
| Stddev | .321 | .0528 | .894 | .5018 | .0279 |
| %RSD | 18.80 | 10.38 | 53.24 | 175.6 | 42.11 |

#1 1.934 .4717 -1.048 .6406 .0466
 #2 1.480 .5464 -2.312 -.0691 .0861

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0695 | .2612 | -.0992 | .0433 |
| Stddev | .5554 | .4722 | .4089 | .0344 |
| %RSD | 799.0 | 180.8 | 412.3 | 79.47 |

#1 .4623 -.0727 -.3883 .0677
 #2 -.3232 .5951 .1900 .0190

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/22/2010 16:05:27 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 433.50 | 3889.5 | 3882.9 | 4914.9 |
| Stddev | .19 | 16.7 | 1.1 | 20.4 |
| %RSD | .04456 | .42806 | .02713 | .41434 |

#1 433.37 3877.8 3882.1 4900.5
 #2 433.64 3901.3 3883.6 4929.3

LLL 303.5 2722.7 2718.0 3440.4
 ULL 506.4 5056.4 5047.8 6388.4

Sample Name: ICSA Acquired: 5/22/2010 16:09:21 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9929 | 516600 | 2.623 | 1.421 | 2.958 |
| Stddev | .5772 | 1596 | 4.298 | .313 | 4.205 |
| %RSD | 58.13 | .3089 | 163.8 | 22.04 | 142.2 |
| #1 | -5848 | 515500 | 5.663 | 1.200 | 5.932 |
| #2 | -1.401 | 517800 | -4160 | 1.643 | -0155 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3337 | 498700 | .6889 | 1.820 | 8.373 |
| Stddev | .2539 | 1617 | .0826 | .388 | .284 |
| %RSD | 76.08 | .3243 | 11.98 | 21.29 | 3.394 |
| #1 | -5132 | 497600 | .6305 | 2.094 | 8.574 |
| #2 | -1542 | 499900 | .7473 | 1.546 | 8.172 |

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/22/2010 16:09:21 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.150 | 196400 | 11.80 | 495900 | .9816 |
| Stddev | .475 | 316 | 129.4 | 1758 | .1105 |
| %RSD | 41.30 | .1608 | 1096 | .3545 | 11.26 |
| #1 | -8139 | 196600 | -79.66 | 494700 | 1.060 |
| #2 | -1.485 | 196200 | 103.3 | 497100 | .9034 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5495 | -7.197 | -6.597 | -2.123 | 6.551 |
| Stddev | .8969 | 13.66 | .921 | 3.535 | .239 |
| %RSD | 163.2 | 189.8 | 13.96 | 166.5 | 3.655 |
| #1 | .0847 | -16.85 | -7.248 | -4.623 | 6.382 |
| #2 | -1.184 | 2.461 | -5.946 | .3765 | 6.720 |

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/22/2010 16:09:21 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.211 | -6.548 | 9.902 | -1.046 | 15.87 |
| Stddev | 1.568 | 5.120 | .448 | 1.450 | .08 |
| %RSD | 25.25 | 78.18 | 4.524 | 138.7 | 4.950 |
| #1 | -5.102 | -10.17 | 10.22 | -0.203 | 15.93 |
| #2 | -7.320 | -2.928 | 9.586 | -2.071 | 15.82 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.779 | 4.007 | -4.440 | -3.763 |
| Stddev | .261 | 1.561 | .105 | .131 |
| %RSD | 4.520 | 38.95 | 2.357 | 3.491 |
| #1 | 5.594 | 5.110 | -4.514 | -3.670 |
| #2 | 5.964 | 2.903 | -4.366 | -3.856 |

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/22/2010 16:09:21 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 341.81 | 3511.4 | 3502.8 | 4772.2 |
| Stddev | 2.21 | 19.1 | 24.1 | .6 |
| %RSD | .64640 | .54310 | .68746 | .01333 |
| #1 | 343.38 | 3524.9 | 3519.8 | 4771.8 |
| #2 | 340.25 | 3498.0 | 3485.7 | 4772.7 |

Sample Name: ICSAB Acquired: 5/22/2010 16:13:10 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 193.4 | 505300. | 93.83 | 1441. | 470.8 |
| Stddev | 1.5 | 602. | 2.54 | 4. | 1.5 |
| %RSD | .8008 | .1192 | 2.705 | .2518 | .3133 |
| #1 | 194.5 | 505700. | 92.03 | 1439. | 469.7 |
| #2 | 192.3 | 504900. | 95.62 | 1444. | 471.8 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 500.1 | 487100. | 964.1 | 456.3 | 487.1 |
| Stddev | .1 | 660. | .1 | .5 | 1.1 |
| %RSD | .0193 | .1354 | .0090 | .1067 | .2192 |
| #1 | 500.2 | 486700. | 964.1 | 455.9 | 486.3 |
| #2 | 500.1 | 487600. | 964.2 | 456.6 | 487.8 |

Check ?
 Value
 Range

Sample Name: ICSAB Acquired: 5/22/2010 16:13:10 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 479.3 | 194400. | -97.30 | 481600. | 474.0 |
| Stddev | 1.5 | 11. | 89.31 | 1000. | 1.2 |
| %RSD | .3201 | .0055 | 91.78 | .2076 | .2431 |
| #1 | 480.4 | 194400. | -160.5 | 482300. | 474.8 |
| #2 | 478.2 | 194400. | -34.15 | 480900. | 473.2 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1006. | -3.676 | 894.3 | 503.3 | 50.05 |
| Stddev | 5. | 13.91 | .3 | 2.5 | 4.55 |
| %RSD | .4790 | 378.3 | .0288 | .4895 | 9.089 |
| #1 | 1003. | -13.51 | 894.5 | 501.5 | 46.83 |
| #2 | 1010. | 6.158 | 894.1 | 505.0 | 53.26 |

Check ?
 Value
 Range

Sample Name: ICSAB Acquired: 5/22/2010 16:13:10 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 575.0 | 42.25 | 1005. | 1386. | 248.3 |
| Stddev | .4 | 5.00 | 1. | 3. | 0 |
| %RSD | .0724 | 11.83 | .0579 | .2226 | .0072 |
| #1 | 574.7 | 45.78 | 1005. | 1383. | 248.3 |
| #2 | 575.3 | 38.72 | 1006. | 1388. | 248.3 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 504.0 | 94.94 | 508.2 | 985.6 |
| Stddev | 1.1 | 1.26 | .9 | 1.5 |
| %RSD | .2110 | 1.327 | .1809 | .1528 |
| #1 | 504.8 | 94.04 | 507.5 | 984.5 |
| #2 | 503.2 | 95.83 | 508.8 | 986.6 |

Check ?
 Value
 Range

Sample Name: ICSAB Acquired: 5/22/2010 16:13:10 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 337.71 | 3467.2 | 3456.9 | 4673.4 |
| Stddev | 1.13 | 9.4 | 1.0 | 29.0 |
| %RSD | .33389 | .27225 | .02912 | .61968 |
| #1 | 336.91 | 3460.5 | 3457.6 | 4652.9 |
| #2 | 338.50 | 3473.9 | 3456.1 | 4693.8 |

Check ?
 Value
 Range

Sample Name: CRI Acquired: 5/22/2010 16:16:56 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.57 | 271.2 | 8.559 | 106.2 | 188.2 |
| Stddev | .03 | 67.6 | .270 | 2.6 | .2 |
| %RSD | .2964 | 24.94 | 3.156 | 2.482 | .1135 |
| #1 | 10.59 | 319.0 | 8.368 | 108.1 | 188.3 |
| #2 | 10.54 | 223.4 | 8.750 | 104.3 | 188.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.268 | 5173. | 5.171 | 49.50 | 10.46 |
| Stddev | .127 | 187. | .096 | .24 | .41 |
| %RSD | 2.418 | 3.610 | 1.855 | .4761 | 3.888 |
| #1 | 5.178 | 5305. | 5.239 | 49.67 | 10.17 |
| #2 | 5.358 | 5041. | 5.103 | 49.33 | 10.74 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/22/2010 16:16:56 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 24.12 | 242.9 | 5393. | 5130. | 15.36 |
| Stddev | .02 | 17.9 | 130. | 60. | .01 |
| %RSD | .0801 | 7.362 | 2.411 | 1.161 | .0924 |
| #1 | 24.11 | 255.6 | 5301. | 5172. | 15.35 |
| #2 | 24.13 | 230.3 | 5485. | 5088. | 15.37 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.45 | 5167. | 39.18 | 257.9 | 10.70 |
| Stddev | .06 | 4. | .67 | 1.6 | 1.80 |
| %RSD | .4451 | .0838 | 1.711 | .6117 | 16.78 |
| #1 | 13.50 | 5164. | 39.65 | 259.0 | 11.97 |
| #2 | 13.41 | 5170. | 38.71 | 256.8 | 9.435 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/22/2010 16:16:56 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 62.82 | 36.78 | 107.6 | 17.98 | 20.91 |
| Stddev | 1.31 | .48 | 2.4 | .01 | .02 |
| %RSD | 2.091 | 1.303 | 2.228 | .0511 | .0988 |
| #1 | 63.75 | 37.12 | 109.3 | 17.98 | 20.93 |
| #2 | 61.89 | 36.44 | 105.9 | 17.99 | 20.90 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.68 | 23.87 | 50.47 | 20.92 |
| Stddev | .31 | .77 | .03 | .00 |
| %RSD | 1.491 | 3.214 | .0648 | .0039 |
| #1 | 20.90 | 23.33 | 50.44 | 20.92 |
| #2 | 20.46 | 24.41 | 50.49 | 20.92 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CRI Acquired: 5/22/2010 16:16:56 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 419.79 | 3825.4 | 3815.9 | 4855.0 |
| Stddev | 2.66 | .6 | 7.1 | 5.9 |
| %RSD | .63371 | .01546 | .18591 | .12234 |
| #1 | 421.67 | 3825.8 | 3820.9 | 4859.2 |
| #2 | 417.91 | 3825.0 | 3810.9 | 4850.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/22/2010 16:20:48 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | {Y_HWAX} | {Y_HWRD} | {Y_LWAX} | {Y_LWAX} | {Y_HWRD} |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.56 | 30390. | 101.5 | 730.6 | 194.2 |
| Stddev | .06 | 84. | 1.8 | 2.9 | 8.0 |
| %RSD | .0651 | .2751 | 1.735 | .3979 | 4.101 |
| #1 | 99.52 | 30450. | 100.3 | 728.5 | 199.8 |
| #2 | 99.61 | 30330. | 102.7 | 732.7 | 188.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | {Y_HWRD} | {Y_HWRD} | {Y_LWAX} | {Y_LWAX} | {Y_LWAX} |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.6 | 30050. | 99.29 | 193.1 | 197.5 |
| Stddev | .9 | 166. | .19 | .4 | .4 |
| %RSD | .8710 | .5531 | .1943 | .2247 | .1868 |
| #1 | 102.2 | 30170. | 99.16 | 192.8 | 197.2 |
| #2 | 101.0 | 29930. | 99.43 | 193.4 | 197.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/22/2010 16:20:48 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | {Y_HWAX} | {Y_HWAX} | {Y_HWRD} | {Y_HWRD} | {Y_HWAX} |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 191.5 | 30660. | 30430. | 30430. | 194.5 |
| Stddev | 1.7 | 267. | 102. | 58. | 1.9 |
| %RSD | .8885 | .8699 | .3350 | .1919 | .9706 |
| #1 | 192.7 | 30850. | 30350. | 30470. | 195.8 |
| #2 | 190.3 | 30470. | 30500. | 30390. | 193.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | {Y_LWAX} | {Y_HWRD} | {Y_LWAX} | {Y_LWAX} | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 203.7 | 30450. | 190.4 | 203.5 | 405.3 |
| Stddev | 1.8 | 93. | .5 | .1 | 2.0 |
| %RSD | .8636 | .3059 | .2774 | .0287 | .5029 |
| #1 | 202.5 | 30510. | 190.0 | 203.4 | 406.7 |
| #2 | 205.0 | 30380. | 190.7 | 203.5 | 403.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/22/2010 16:20:48 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | {Y_LWAX} | {Y_LWAX} | {Y_HWAX} | {Y_LWAX} | {Y_HWRD} |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 296.2 | 99.52 | 1022. | 195.4 | 304.7 |
| Stddev | .6 | 1.35 | 11. | .0 | .9 |
| %RSD | .1980 | 1.360 | 1.103 | .0193 | .3111 |
| #1 | 296.6 | 98.57 | 1030. | 195.4 | 305.4 |
| #2 | 295.8 | 100.5 | 1014. | 195.5 | 304.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Th-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | {Y_HWAX} | (In2306) | {Y_HWAX} | {Y_LWAX} |
| Units | ppb | ppb | ppb | ppb |
| Avg | 406.4 | 102.4 | 203.3 | 201.5 |
| Stddev | 2.9 | 3.5 | 2.1 | .6 |
| %RSD | .7137 | 3.439 | 1.038 | .3167 |
| #1 | 408.5 | 104.8 | 204.8 | 201.1 |
| #2 | 404.4 | 99.86 | 201.8 | 202.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/22/2010 16:20:48 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 394.02 | 3765.6 | 3750.2 | 4807.5 |
| Stddev | 4.57 | 32.4 | 6.2 | 22.4 |
| %RSD | 1.1607 | .85996 | .16485 | .46616 |
| #1 | 390.78 | 3742.7 | 3745.8 | 4791.6 |
| #2 | 397.25 | 3788.5 | 3754.5 | 4823.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/22/2010 16:24:38 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.0708 | -20.72 | -1.817 | 2.942 | -1.262 |
| Stddev | .0970 | 36.07 | 1.816 | .310 | 2.524 |
| %RSD | 137.1 | 174.1 | 99.93 | 10.55 | 199.9 |

| | | | | | |
|----|---------|--------|--------|-------|--------|
| #1 | -0.0022 | 4.786 | -5.331 | 3.161 | .5223 |
| #2 | -1.1394 | -46.23 | -3.101 | 2.722 | -3.047 |

Check ? High Limit Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.0906 | -54.35 | .3410 | -1.829 | -0.0306 |
| Stddev | .2779 | 59.95 | .1987 | .0640 | .1327 |
| %RSD | 306.8 | 110.3 | 58.29 | 35.01 | 434.0 |

| | | | | | |
|----|--------|--------|-------|--------|--------|
| #1 | -2.871 | -11.96 | .2004 | -1.376 | -1.244 |
| #2 | .1059 | -96.74 | .4815 | -2.282 | .0633 |

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/22/2010 16:24:38 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.586 | -3.563 | 33.77 | 9.027 | .0570 |
| Stddev | .5531 | 4.910 | 34.67 | 45.44 | .0374 |
| %RSD | 154.3 | 137.8 | 102.7 | 503.4 | 65.55 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -.7497 | -.0913 | 9.248 | 41.16 | .0306 |
| #2 | .0325 | -7.036 | 58.28 | -23.10 | .0834 |

Check ? High Limit Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.178 | -13.09 | -.7509 | -.7822 | -.7522 |
| Stddev | .198 | 9.22 | .2468 | .5929 | 1.245 |
| %RSD | 16.81 | 70.48 | 32.87 | 75.80 | 165.5 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | 1.038 | -19.61 | -.9254 | -1.201 | .1279 |
| #2 | 1.318 | -6.564 | -5.764 | -.3629 | -1.632 |

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/22/2010 16:24:38 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.112 | -1.421 | -2.165 | -2.052 | -.0327 |
| Stddev | 1.598 | .798 | 1.460 | .487 | .0304 |
| %RSD | 51.35 | 56.15 | 67.42 | 23.71 | 93.08 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | 1.982 | -1.986 | -1.133 | -2.396 | -.0112 |
| #2 | 4.242 | -.8571 | -3.197 | -1.708 | -.0542 |

Check ? High Limit Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .3240 | -.0534 | -.0471 | -.2017 |
| Stddev | .1090 | .6246 | .2714 | .0425 |
| %RSD | 33.64 | 1169. | 576.7 | 21.09 |

| | | | | |
|----|-------|--------|--------|--------|
| #1 | .2469 | -.4951 | -.2390 | -.2317 |
| #2 | .4010 | .3882 | .1448 | -.1716 |

Check ? High Limit Low Limit

Sample Name: CCB Acquired: 5/22/2010 16:24:38 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 426.07 | 3807.5 | 3804.3 | 4822.9 |
| Stddev | .56 | 8.3 | 14.4 | 18.0 |
| %RSD | .13093 | .21806 | .37859 | .37226 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 426.47 | 3813.3 | 3794.1 | 4810.2 |
| #2 | 425.68 | 3801.6 | 3814.5 | 4835.6 |

Sample Name: PBS051910B Acquired: 5/22/2010 16:28:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1494 | -8.369 | -1.610 | 3.611 | -1.765 |
| Stddev | .0604 | 21.17 | 1.759 | .179 | 1.622 |
| %RSD | 40.40 | 253.0 | 109.3 | 4.971 | 91.90 |

| | | | | | |
|----|--------|--------|--------|-------|--------|
| #1 | -1.067 | 6.601 | -3.658 | 3.738 | -6.180 |
| #2 | -1.921 | -23.34 | -2.854 | 3.484 | -2.912 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0311 | 37.13 | .5109 | -.2118 | .2636 |
| Stddev | .1816 | 37.97 | .0545 | .0891 | .0523 |
| %RSD | 583.4 | 102.3 | 10.66 | 42.08 | 19.86 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -.0973 | 63.98 | .4724 | -.2749 | .3006 |
| #2 | -.1595 | 10.28 | .5494 | -.1488 | .2266 |

Check ? Value Range

Sample Name: PBS051910B Acquired: 5/22/2010 16:28:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.446 | 51.60 | 46.32 | 36.32 | .6203 |
| Stddev | 1.003 | 5.76 | 130.2 | 47.12 | .0538 |
| %RSD | 69.40 | 11.16 | 281.2 | 129.7 | 8.679 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 2.155 | 55.68 | 138.4 | 69.63 | .5823 |
| #2 | 7362 | 47.53 | -45.78 | 2.998 | .6584 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4046 | -25.52 | .5145 | 5.954 | 1.081 |
| Stddev | .0673 | 29.88 | .5632 | 2.997 | 1.454 |
| %RSD | 16.63 | 117.1 | 109.5 | 50.33 | 134.6 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .3570 | -4.391 | .9128 | 8.073 | 2.109 |
| #2 | .4522 | -46.65 | 1.163 | 3.835 | .0525 |

Check ? Value Range

Sample Name: PBS051910B Acquired: 5/22/2010 16:28:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899:2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1165 | -.9361 | 7.199 | 13.90 | -.0182 |
| Stddev | .6596 | 3.722 | 1.494 | .51 | .0053 |
| %RSD | 566.4 | 397.6 | 20.75 | 3.701 | 28.89 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | .5828 | 1.696 | 6.143 | 13.54 | -.0220 |
| #2 | -.3499 | -3.568 | 8.255 | 14.27 | -.0145 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0331 | -2.121 | -.0869 | 1.076 |
| Stddev | .0455 | .965 | 1.289 | .070 |
| %RSD | 137.4 | 45.51 | 1484. | 6.460 |

| | | | | |
|----|-------|--------|--------|-------|
| #1 | .0009 | -2.804 | .8248 | 1.027 |
| #2 | .0653 | -1.439 | -.9985 | 1.125 |

Check ? Value Range

Sample Name: PBS051910B Acquired: 5/22/2010 16:28:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 427.54 | 3863.0 | 3852.8 | 4900.9 |
| Stddev | 1.61 | 13.3 | 15.0 | 20.4 |
| %RSD | .37662 | .34424 | .38827 | .41611 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 426.40 | 3853.5 | 3842.3 | 4915.3 |
| #2 | 428.68 | 3872.4 | 3863.4 | 4886.5 |

Sample Name: LCSS051910B Acquired: 5/22/2010 16:32:26 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 243.6 | 214.6 | 239.7 | 469.7 | 202.8 |
| Stddev | .3 | 4. | 1.8 | .0 | 11. |
| %RSD | .1156 | .1953 | .7376 | .0032 | .5378 |
| #1 | 243.8 | 214.9 | 241.0 | 469.7 | 203.6 |
| #2 | 243.4 | 214.3 | 238.5 | 469.7 | 202.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.97 | 1990.0 | 240.0 | 447.2 | 211.8 |
| Stddev | .27 | 69. | .4 | .8 | .4 |
| %RSD | .5093 | .3486 | .1463 | .1889 | .2075 |
| #1 | 53.78 | 1995.0 | 240.3 | 447.8 | 211.5 |
| #2 | 54.16 | 1985.0 | 239.8 | 446.6 | 212.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS051910B Acquired: 5/22/2010 16:32:26 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 254.1 | 121.2 | 20500. | 19410. | 484.0 |
| Stddev | 1.6 | 1. | 21. | 107. | .8 |
| %RSD | .6356 | .0698 | .1014 | .5517 | .1662 |
| #1 | 255.2 | 121.2 | 20520. | 19330. | 484.6 |
| #2 | 253.0 | 121.3 | 20490. | 19480. | 483.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 503.3 | 19710. | 477.3 | 496.6 | 224.1 |
| Stddev | .3 | 12. | .9 | 1.9 | .2 |
| %RSD | .0586 | .0599 | .1807 | .3917 | .0744 |
| #1 | 503.1 | 19700. | 477.9 | 495.2 | 224.2 |
| #2 | 503.6 | 19710. | 476.7 | 498.0 | 224.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS051910B Acquired: 5/22/2010 16:32:26 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 469.9 | 238.2 | 485.5 | 506.3 | 495.5 |
| Stddev | 1.0 | .6 | 3.1 | 2.9 | 3.0 |
| %RSD | .2147 | .2524 | .6387 | .5727 | .6073 |
| #1 | 469.2 | 238.6 | 487.6 | 504.3 | 493.4 |
| #2 | 470.6 | 237.7 | 483.3 | 508.4 | 497.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 498.4 | 247.0 | 504.2 | 484.9 | |
| Stddev | .1 | .7 | .6 | 1.4 | |
| %RSD | .0202 | .2647 | .1230 | .2968 | |
| #1 | 498.4 | 247.5 | 504.6 | 483.9 | |
| #2 | 498.3 | 246.6 | 503.7 | 485.9 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS051910B Acquired: 5/22/2010 16:32:26 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 399.77 | 3743.8 | 3753.5 | 4810.2 |
| Stddev | .98 | 9.7 | 5.7 | 26.3 |
| %RSD | .24619 | .26027 | .15120 | .54743 |
| #1 | 399.07 | 3736.9 | 3749.4 | 4828.8 |
| #2 | 400.46 | 3750.7 | 3757.5 | 4791.6 |

Sample Name: 829309 Acquired: 5/22/2010 16:36:20 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0043 | 129.6 | 2.748 | 17.53 | 66.21 |
| Stddev | .6547 | 2.0 | 1.181 | .43 | 1.88 |
| %RSD | 15190. | 1.508 | 42.97 | 2.445 | 2.840 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -4587 | 130.9 | 3.582 | 17.84 | 67.54 |
| #2 | .4673 | 128.2 | 1.913 | 17.23 | 64.88 |

Check ?
 Value
 Range

None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0233 | 13150. | .4306 | -.0341 | 2.318 |
| Stddev | .0941 | 40. | .3253 | .2536 | .048 |
| %RSD | 403.7 | .3054 | 75.54 | 744.2 | 2.067 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -.0899 | 13180. | .6607 | .1453 | 2.352 |
| #2 | .0432 | 13120. | .2006 | -.2134 | 2.284 |

Check ?
 Value
 Range

None None None None None

Sample Name: 829309 Acquired: 5/22/2010 16:36:20 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.87 | 326.4 | 73050. | 3969. | 238.5 |
| Stddev | 1.11 | 20.1 | 21. | 46. | .4 |
| %RSD | 5.901 | 6.157 | .0286 | 1.146 | .1552 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 19.66 | 340.6 | 73040. | 4001. | 238.7 |
| #2 | 18.08 | 312.2 | 73070. | 3937. | 238.2 |

Check ?
 Value
 Range

None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 138.9 | 14.84 | .4605 | 7169. | .9544 |
| Stddev | .9 | 1.58 | .4230 | 16. | 1.201 |
| %RSD | 6389 | 10.66 | 91.86 | .2190 | 125.9 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 138.3 | 15.95 | .7596 | 7158. | 1.804 |
| #2 | 139.5 | 13.72 | .1614 | 7180. | .1050 |

Check ?
 Value
 Range

None None None None None

Sample Name: 829309 Acquired: 5/22/2010 16:36:20 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.294 | -.2528 | 3262. | 10.17 | 148.2 |
| Stddev | .737 | 2.134 | .1. | .11 | .4 |
| %RSD | 32.12 | 844.2 | .0318 | 1.035 | .2674 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 1.773 | -1.762 | 3263. | 10.10 | 148.5 |
| #2 | 2.815 | 1.256 | 3262. | 10.25 | 148.0 |

Check ?
 Value
 Range

None None None None None

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5.586 | -3.868 | 1.706 | 118.1 |
| Stddev | .161 | 1.077 | .331 | .1 |
| %RSD | 2.874 | 27.85 | 19.41 | .0634 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 5.700 | -4.630 | 1.940 | 118.0 |
| #2 | 5.473 | -3.106 | 1.472 | 118.2 |

Check ?
 Value
 Range

None None None None

Sample Name: 829309 Acquired: 5/22/2010 16:36:20 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 412.62 | 3843.0 | 3843.6 | 4889.6 |
| Stddev | 2.16 | .2 | .3 | 2.8 |
| %RSD | .52317 | .00506 | .00857 | .05709 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 411.09 | 3843.1 | 3843.8 | 4891.6 |
| #2 | 414.15 | 3842.8 | 3843.4 | 4887.6 |

Sample Name: 829309L Acquired: 5/22/2010 16:40:14 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5256 | -19.01 | .4939 | 24.30 | 51.88 |
| Stddev | 1.084 | 39.13 | 3.770 | 2.98 | 22.93 |
| %RSD | 206.2 | 205.9 | 763.4 | 12.25 | 44.21 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | -1.292 | -46.68 | -2.172 | 22.20 | 35.66 |
| #2 | .2408 | 8.661 | 3.160 | 26.41 | 68.09 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.037 | 13270. | 1.673 | -6.363 | 2.777 |
| Stddev | .351 | 4. | .403 | 1.784 | .150 |
| %RSD | 33.88 | .0310 | 24.08 | 280.4 | 5.419 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -1.285 | 13270. | 1.958 | -1.898 | 2.671 |
| #2 | -7.884 | 13280. | 1.388 | 6.253 | 2.883 |

Check ?
 Value
 Range

Sample Name: 829309L Acquired: 5/22/2010 16:40:14 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.75 | 298.4 | 74180. | 4229. | 241.8 |
| Stddev | .09 | 6.8 | 885. | 54. | .9 |
| %RSD | .5058 | 2.266 | 1.193 | 1.273 | .3749 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 17.81 | 293.7 | 73560. | 4191. | 242.4 |
| #2 | 17.69 | 303.2 | 74810. | 4267. | 241.1 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 140.2 | -15.32 | 1.690 | 7142. | -2084 |
| Stddev | 2.6 | 112.4 | 2.286 | 4. | 5.173 |
| %RSD | 1.858 | 733.4 | 135.3 | .0523 | 2483. |

| | | | | | |
|----|-------|--------|-------|-------|--------|
| #1 | 142.1 | -94.77 | 3.307 | 7145. | -3.866 |
| #2 | 138.4 | 64.13 | .0735 | 7139. | 3.449 |

Check ?
 Value
 Range

Sample Name: 829309L Acquired: 5/22/2010 16:40:14 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.48 | -2.934 | 3225. | 6.469 | 147.5 |
| Stddev | 7.35 | 13.87 | 24. | 5.938 | 1.4 |
| %RSD | 42.07 | 472.5 | .7521 | 91.79 | .9589 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 22.68 | 6.870 | 3243. | 10.67 | 148.5 |
| #2 | 12.28 | -12.74 | 3208. | 2.270 | 146.5 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.766 | -2.718 | .9116 | 121.8 |
| Stddev | .455 | 7.478 | 1.178 | .0 |
| %RSD | 6.719 | 275.1 | 129.3 | .0170 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 7.088 | -8.006 | 1.745 | 121.8 |
| #2 | 6.445 | 2.570 | .0784 | 121.8 |

Check ?
 Value
 Range

Sample Name: 829309L Acquired: 5/22/2010 16:40:14 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 425.88 | 3882.3 | 3862.6 | 4914.0 |
| Stddev | .06 | 6.9 | 5.5 | 6.6 |
| %RSD | .01341 | .17805 | .14306 | .13411 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 425.84 | 3887.2 | 3858.6 | 4909.4 |
| #2 | 425.92 | 3877.4 | 3866.5 | 4918.7 |

Sample Name: 829309A Acquired: 5/22/2010 16:44:08 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2212 | 2193 | 41.64 | 482.2 | 2004 |
| Stddev | .6480 | 6 | 1.27 | 3.2 | 21 |
| %RSD | 293.0 | .2614 | 3.041 | .6668 | 1.028 |

| | | | | | |
|---------|-------|------|-------|-------|------|
| #1 | -6794 | 2197 | 40.74 | 479.9 | 1989 |
| #2 | .2370 | 2189 | 42.53 | 484.5 | 2019 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.33 | 13010 | 49.80 | 450.4 | 203.1 |
| Stddev | .16 | 92 | .33 | 1.4 | .1 |
| %RSD | .3101 | .7038 | .6588 | .3118 | .0642 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 51.22 | 12950 | 49.57 | 449.4 | 203.2 |
| #2 | 51.44 | 13080 | 50.04 | 451.4 | 203.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829309A Acquired: 5/22/2010 16:44:08 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 260.5 | 1398 | 72040 | 3921 | 702.6 |
| Stddev | .2 | 2 | 419 | 46 | 1.1 |
| %RSD | .0620 | .1619 | .5810 | 1.165 | .1624 |

| | | | | | |
|---------|-------|------|-------|------|-------|
| #1 | 260.4 | 1400 | 71750 | 3889 | 703.4 |
| #2 | 260.6 | 1397 | 72340 | 3953 | 701.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 624.7 | 23.28 | 451.1 | 7574 | 23.74 |
| Stddev | 2.3 | 28.96 | 1.4 | 28 | .04 |
| %RSD | .3728 | 124.4 | .3009 | .3689 | .1497 |

| | | | | | |
|---------|-------|-------|-------|------|-------|
| #1 | 623.0 | 43.76 | 450.1 | 7555 | 23.71 |
| #2 | 626.3 | 2.806 | 452.1 | 7594 | 23.76 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829309A Acquired: 5/22/2010 16:44:08 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 460.0 | 51.45 | 3821 | 452.3 | 596.6 |
| Stddev | .3 | .47 | 1 | .0 | 3.4 |
| %RSD | .0675 | .9178 | .0374 | .0057 | .5746 |

| | | | | | |
|---------|-------|-------|------|-------|-------|
| #1 | 459.8 | 51.12 | 3820 | 452.3 | 599.0 |
| #2 | 460.3 | 51.79 | 3822 | 452.3 | 594.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 469.4 | 52.37 | 485.8 | 579.1 |
| Stddev | .8 | .35 | 3.2 | 2.4 |
| %RSD | .1645 | .6613 | .6528 | .4162 |

| | | | | |
|---------|-------|-------|-------|-------|
| #1 | 469.9 | 52.12 | 488.0 | 577.4 |
| #2 | 468.8 | 52.61 | 483.5 | 580.8 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829309A Acquired: 5/22/2010 16:44:08 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 406.78 | 3833.5 | 3823.5 | 4876.4 |
| Stddev | 3.79 | 9.7 | 8.1 | 8.6 |
| %RSD | .93223 | .25417 | .21238 | .17708 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.46 | 3826.6 | 3829.3 | 4882.5 |
| #2 | 404.10 | 3840.4 | 3817.8 | 4870.3 |

Sample Name: 829309MS Acquired: 5/22/2010 16:48:03 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 48.22 | 2174. | 42.70 | 474.7 | 2016. |
| Stddev | .51 | 11. | .68 | .9 | 13. |
| %RSD | 1.053 | .5065 | 1.589 | .1998 | .6387 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 48.58 | 2166. | 43.18 | 474.1 | 2025. |
| #2 | 47.86 | 2182. | 42.22 | 475.4 | 2007. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.92 | 12190. | 50.29 | 438.5 | 207.7 |
| Stddev | .01 | 89. | .34 | 1.0 | .3 |
| %RSD | .0214 | .7327 | .6860 | .2387 | .1390 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 51.93 | 12250. | 50.05 | 437.8 | 207.9 |
| #2 | 51.91 | 12120. | 50.54 | 439.3 | 207.5 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829309MS Acquired: 5/22/2010 16:48:03 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 268.0 | 1404. | 76540. | 3995. | 700.8 |
| Stddev | .7 | 4. | 178. | .0021 | .8 |
| %RSD | .2736 | .2904 | .2324 | .0021 | .1123 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 267.5 | 1407. | 76670. | 3995. | 700.3 |
| #2 | 268.5 | 1401. | 76420. | 3995. | 701.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 623.9 | 28.07 | 468.7 | 7952. | 23.95 |
| Stddev | 1.9 | 9.77 | .5 | 4. | .25 |
| %RSD | .2980 | 34.80 | .1077 | .0460 | 1.052 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 622.5 | 34.98 | 468.3 | 7949. | 24.13 |
| #2 | 625.2 | 21.17 | 469.0 | 7954. | 23.78 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829309MS Acquired: 5/22/2010 16:48:03 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 444.0 | 54.25 | 4006. | 489.6 | 610.7 |
| Stddev | 1.3 | 1.49 | 1. | 2.8 | 1.7 |
| %RSD | .2925 | 2.750 | .0224 | .5643 | .2796 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 444.9 | 55.30 | 4005. | 491.6 | 611.9 |
| #2 | 443.1 | 53.19 | 4006. | 487.7 | 609.5 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 482.4 | 50.48 | 486.5 | 598.9 |
| Stddev | 1.3 | 1.69 | .6 | .4 |
| %RSD | .2786 | 3.347 | .1264 | .0710 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 481.4 | 49.28 | 487.0 | 598.6 |
| #2 | 483.3 | 51.67 | 486.1 | 599.2 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829309MS Acquired: 5/22/2010 16:48:03 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 404.91 | 3819.2 | 3791.1 | 4853.8 |
| Stddev | .58 | 3.6 | 3.8 | 1.9 |
| %RSD | .14263 | .09382 | .10003 | .03985 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 405.32 | 3821.7 | 3788.4 | 4855.2 |
| #2 | 404.50 | 3816.6 | 3793.8 | 4852.5 |

Sample Name: 829309DP Acquired: 5/22/2010 16:52:00 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1165 | 180.5 | 2.431 | 20.02 | 76.21 |
| Stddev | .9069 | 31.5 | 2.427 | .18 | 3.66 |
| %RSD | 778.3 | 17.47 | 99.83 | .8859 | 4.807 |
| #1 | -.5248 | 202.8 | .7150 | 19.89 | 73.62 |
| #2 | .7578 | 158.2 | 4.148 | 20.14 | 78.80 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3010 | 14950. | .3543 | -.2974 | 2.355 |
| Stddev | .2284 | .47 | .1214 | .3684 | .141 |
| %RSD | 75.21 | .3142 | 34.27 | 123.9 | 6.006 |
| #1 | -.4610 | 14980. | .2684 | -.5579 | 2.455 |
| #2 | -.1409 | 14920. | .4401 | -.0369 | 2.255 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829309DP Acquired: 5/22/2010 16:52:00 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 22.30 | 348.9 | 82770. | 4592. | 293.3 |
| Stddev | 1.35 | 3.7 | 243. | 7. | 6 |
| %RSD | 6.046 | 1.074 | .2934 | .1434 | .2007 |
| #1 | 21.35 | 351.5 | 82600. | 4588. | 292.9 |
| #2 | 23.26 | 346.2 | 82940. | 4597. | 293.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 163.1 | 43.03 | .0590 | 8239. | 3.776 |
| Stddev | .3 | 6.18 | .1907 | 32. | 1.783 |
| %RSD | .1759 | 14.36 | 322.9 | .3885 | 47.22 |
| #1 | 162.9 | 47.40 | -.0758 | 8262. | 5.036 |
| #2 | 163.3 | 38.66 | .1939 | 8217. | 2.515 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829309DP Acquired: 5/22/2010 16:52:00 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.661 | 3.602 | 6457. | 11.52 | 173.3 |
| Stddev | .393 | 2.763 | 26. | .15 | 1.1 |
| %RSD | 14.79 | 76.70 | .4055 | 1.282 | .6233 |
| #1 | 2.383 | 1.648 | 6439. | 11.62 | 172.6 |
| #2 | 2.939 | 5.556 | 6476. | 11.41 | 174.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 6.843 | 5.733 | 2.568 | 140.3 | |
| Stddev | .666 | .586 | .508 | .7 | |
| %RSD | 9.735 | 10.22 | 19.79 | .5336 | |
| #1 | 6.372 | 5.319 | 2.928 | 140.9 | |
| #2 | 7.314 | 6.148 | 2.209 | 139.8 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829309DP Acquired: 5/22/2010 16:52:00 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 410.23 | 3813.4 | 3835.5 | 4852.4 |
| Stddev | .01 | 8.7 | 26.4 | 26.4 |
| %RSD | .00127 | .22711 | .68822 | .54367 |
| #1 | 410.23 | 3819.5 | 3816.8 | 4871.0 |
| #2 | 410.24 | 3807.2 | 3854.1 | 4833.7 |

Sample Name: 829310 Acquired: 5/22/2010 16:55:54 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2088 | 1519. | 1.506 | 83.37 | 44.66 |
| Stddev | 1.030 | 35. | 2.208 | .71 | 2.10 |
| %RSD | 493.5 | 2.327 | 146.6 | .8474 | 4.712 |
| #1 | -5.198 | 1544. | -.0552 | 82.87 | 43.17 |
| #2 | .9374 | 1494. | 3.068 | 83.87 | 46.15 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0693 | 71340. | 9.662 | 2.412 | 8.099 |
| Stddev | .0595 | 121. | .066 | .402 | .150 |
| %RSD | 85.85 | .1702 | .6848 | 16.65 | 1.854 |
| #1 | -.0272 | 71420. | 9.616 | 2.128 | 7.993 |
| #2 | -.1113 | 71250. | 9.709 | 2.696 | 8.205 |

Check ? Value Range
 None None None None None

Sample Name: 829310 Acquired: 5/22/2010 16:55:54 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 102.6 | 4116. | 77260. | 5096. | 325.2 |
| Stddev | .1 | 15. | 238. | 70. | 1.0 |
| %RSD | .0748 | .3619 | .3076 | 1.376 | .3183 |
| #1 | 102.6 | 4126. | 77420. | 5146. | 325.9 |
| #2 | 102.5 | 4105. | 77090. | 5046. | 324.5 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 235.2 | 89.40 | 11.54 | 6437. | 9.689 |
| Stddev | 1.3 | .52 | .95 | 4. | 2.656 |
| %RSD | .5317 | .5799 | 8.199 | .0678 | 27.42 |
| #1 | 234.3 | 89.76 | 10.87 | 6440. | 11.57 |
| #2 | 236.1 | 89.03 | 12.20 | 6434. | 7.810 |

Check ? Value Range
 None None None None None

Sample Name: 829310 Acquired: 5/22/2010 16:55:54 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.005 | -.7265 | 1161. | 8.901 | 471.1 |
| Stddev | .816 | 1.048 | 5. | .736 | 7.5 |
| %RSD | 81.15 | 144.2 | .4153 | 8.271 | 1.590 |
| #1 | .4283 | -1.467 | 1164. | 9.422 | 476.4 |
| #2 | 1.582 | .0145 | 1157. | 8.381 | 465.8 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 109.5 | -3.032 | 8.871 | 635.5 |
| Stddev | .6 | .424 | 1.429 | .1 |
| %RSD | .5278 | 13.99 | 16.10 | .0083 |
| #1 | 109.9 | -3.332 | 7.861 | 635.5 |
| #2 | 109.1 | -2.732 | 9.882 | 635.5 |

Check ? Value Range
 None None None None

Sample Name: 829310 Acquired: 5/22/2010 16:55:54 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 397.49 | 3778.1 | 3784.6 | 4841.0 |
| Stddev | .29 | 1.4 | 13.7 | 38.1 |
| %RSD | .07291 | .03831 | .36314 | .78800 |
| #1 | 397.28 | 3777.0 | 3774.8 | 4814.0 |
| #2 | 397.69 | 3779.1 | 3794.3 | 4868.0 |

Check ? Value Range
 None None None None

Sample Name: 829311 Acquired: 5/22/2010 16:59:52 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3035 | 2559. | 4.581 | 66.55 | 75.77 |
| Stddev | .3876 | 13. | .770 | .75 | 2.13 |
| %RSD | 127.7 | .5061 | 16.80 | 1.120 | 2.808 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .5775 | 2550. | 4.037 | 67.07 | 77.27 |
| #2 | .0294 | 2568. | 5.126 | 66.02 | 74.26 |

Check ? Value Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4711 | 42520. | 8.065 | 5.580 | 13.90 |
| Stddev | .0151 | 39. | .210 | .167 | .34 |
| %RSD | 3.212 | .0913 | 2.608 | 2.984 | 2.465 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .4818 | 42550. | 8.213 | 5.697 | 14.14 |
| #2 | .4604 | 42500. | 7.916 | 5.462 | 13.65 |

Check ? Value Range

Sample Name: 829311 Acquired: 5/22/2010 16:59:52 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 255.1 | 6089. | 44040. | 3649. | 345.3 |
| Stddev | .7 | 1. | 178. | 5. | .4 |
| %RSD | .2831 | .0095 | .4041 | .1332 | .1172 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 255.6 | 6090. | 43920. | 3653. | 345.6 |
| #2 | 254.6 | 6089. | 44170. | 3646. | 345.0 |

Check ? Value Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 592.3 | 283.6 | 13.13 | 2275. | 17.56 |
| Stddev | 1.4 | 20.9 | .27 | 7. | 1.48 |
| %RSD | .2426 | 7.362 | 2.061 | .2956 | 8.441 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 591.3 | 298.4 | 12.94 | 2270. | 18.61 |
| #2 | 593.3 | 268.8 | 13.32 | 2279. | 16.51 |

Check ? Value Range

Sample Name: 829311 Acquired: 5/22/2010 16:59:52 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.808 | 3.781 | 1326. | 8.482 | 364.2 |
| Stddev | .072 | 3.399 | 3. | 1.082 | 5.7 |
| %RSD | 2.575 | 89.91 | .2389 | 12.76 | 1.562 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.757 | 1.377 | 1328. | 7.717 | 368.2 |
| #2 | 2.860 | 6.184 | 1323. | 9.248 | 360.2 |

Check ? Value Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 162.5 | -4.067 | 29.29 | 359.2 |
| Stddev | .2 | .996 | .17 | .0 |
| %RSD | .0953 | 24.49 | .5911 | .0050 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 162.7 | -3.362 | 29.42 | 359.2 |
| #2 | 162.4 | -4.771 | 29.17 | 359.2 |

Check ? Value Range

Sample Name: 829311 Acquired: 5/22/2010 16:59:52 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 412.08 | 3876.0 | 3884.9 | 4965.5 |
| Stddev | .63 | 17.2 | .8 | .1 |
| %RSD | .15292 | .44290 | .02144 | .00169 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 411.63 | 3888.2 | 3884.3 | 4965.6 |
| #2 | 412.52 | 3863.9 | 3885.5 | 4965.5 |

Sample Name: 829312 Acquired: 5/22/2010 17:03:49 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0737 | 281.0 | 2.472 | 14.75 | 32.53 |
| Stddev | .0963 | 18.8 | 1.923 | .35 | 4.74 |
| %RSD | 130.7 | 6.696 | 77.78 | 2.385 | 14.58 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.1418 | 267.7 | 3.831 | 15.00 | 29.18 |
| #2 | -.0056 | 294.3 | 1.112 | 14.50 | 35.89 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0619 | 11800. | .8980 | .3949 | 3.172 |
| Stddev | .0897 | 123. | .1138 | .2872 | .682 |
| %RSD | 144.7 | 1.044 | 12.68 | 72.71 | 21.51 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.1253 | 11890. | .8175 | .1919 | 2.690 |
| #2 | .0015 | 11710. | .9785 | .5980 | 3.655 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829312 Acquired: 5/22/2010 17:03:49 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 27.00 | 714.3 | 89180. | 2778. | 131.9 |
| Stddev | .66 | 1.1 | 51. | 68. | .0 |
| %RSD | 2.451 | .1488 | .0576 | 2.434 | .0260 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 27.47 | 715.1 | 89150. | 2730. | 132.0 |
| #2 | 26.54 | 713.6 | 89220. | 2825. | 131.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 426.8 | .9659 | 1.298 | 5891. | 1.344 |
| Stddev | .4 | 9.706 | .797 | 1. | .317 |
| %RSD | .0991 | 1005. | 61.37 | .0094 | 23.60 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 426.5 | -5.897 | .7349 | 5892. | 1.568 |
| #2 | 427.1 | 7.829 | 1.862 | 5891. | 1.120 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829312 Acquired: 5/22/2010 17:03:49 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.501 | 1.204 | 2147. | 6.058 | 110.8 |
| Stddev | 2.135 | .872 | .8 | .523 | .1 |
| %RSD | 47.42 | 72.44 | .3615 | 8.636 | .1087 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 6.011 | .5872 | 2141. | 5.688 | 110.7 |
| #2 | 2.992 | 1.820 | 2152. | 6.428 | 110.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 18.62 | -4.561 | 6.564 | 190.5 |
| Stddev | .18 | .699 | .708 | .1 |
| %RSD | .9423 | 15.33 | 10.79 | .0357 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 18.74 | -5.055 | 7.065 | 190.5 |
| #2 | 18.50 | -4.066 | 6.064 | 190.6 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829312 Acquired: 5/22/2010 17:03:49 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 403.87 | 3795.6 | 3813.7 | 4882.0 |
| Stddev | 2.69 | 6.0 | .8 | 3.2 |
| %RSD | .66541 | .15691 | .02077 | .06642 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 405.77 | 3791.4 | 3814.2 | 4884.2 |
| #2 | 401.97 | 3799.8 | 3813.1 | 4879.7 |

Sample Name: CCV Acquired: 5/22/2010 17:07:43 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.00 | 30180. | 109.6 | 720.2 | F 252.2 |
| Stddev | .96 | 124. | 14.9 | 4.0 | 64.0 |
| %RSD | .9685 | .4098 | 13.62 | .5528 | 25.40 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 98.32 | 30090. | 120.2 | 723.0 | 206.9 |
| #2 | 99.68 | 30270. | 99.06 | 717.4 | 297.5 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 100.6 | 29920. | 99.12 | 189.0 | 196.2 |
| Stddev | .1 | 368. | 1.36 | 2.4 | 1.8 |
| %RSD | .0994 | 1.230 | 1.369 | 1.296 | .9287 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 100.7 | 29660. | 100.1 | 187.2 | 194.9 |
| #2 | 100.6 | 30180. | 98.16 | 190.7 | 197.5 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCV Acquired: 5/22/2010 17:07:43 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 192.4 | 30750. | F 33410. | 30090. | 193.9 |
| Stddev | 2.1 | 372. | 3224. | 28. | .7 |
| %RSD | 1.106 | 1.209 | 9.652 | .0946 | .3367 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 190.9 | 30490. | 31130. | 30070. | 193.5 |
| #2 | 193.9 | 31020. | 35690. | 30110. | 194.4 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.2 | 32320. | 183.1 | 186.5 | 408.0 |
| Stddev | 1.1 | 2019. | 6.8 | 23.0 | .5 |
| %RSD | .5380 | 6.247 | 3.690 | 12.35 | .1156 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 199.5 | 30890. | 178.3 | 170.2 | 407.7 |
| #2 | 201.0 | 33750. | 187.9 | 202.8 | 408.3 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCV Acquired: 5/22/2010 17:07:43 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 295.7 | 102.8 | 1021. | 199.8 | 297.0 |
| Stddev | 4.0 | 7.1 | 11. | 1.5 | 9.6 |
| %RSD | 1.355 | 6.931 | 1.069 | .7448 | 3.238 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 298.5 | 107.8 | 1013. | 200.8 | 290.2 |
| #2 | 292.9 | 97.76 | 1029. | 198.7 | 303.8 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 410.0 | 98.97 | 203.7 | 199.8 |
| Stddev | .8 | 1.46 | 3.3 | 1.5 |
| %RSD | .2066 | 1.479 | 1.622 | .7505 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 409.4 | 100.0 | 201.3 | 198.8 |
| #2 | 410.6 | 97.94 | 206.0 | 200.9 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCV Acquired: 5/22/2010 17:07:43 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 365.14 | 3487.6 | 3550.1 | 4566.4 |
| Stddev | 23.63 | 130.5 | 150.9 | 307.0 |
| %RSD | 6.4701 | 3.7430 | 4.2516 | 6.7229 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 348.44 | 3579.9 | 3443.4 | 4783.5 |
| #2 | 381.85 | 3395.3 | 3656.8 | 4349.3 |

Sample Name: CCB Acquired: 5/22/2010 17:11:31 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1651 | -34.04 | .3707 | 2.971 | -5.404 |
| Stddev | .0689 | 36.58 | .4604 | .467 | 2.755 |
| %RSD | 41.73 | 107.5 | 124.2 | 15.72 | 50.99 |

| | | | | | |
|----|-------|--------|-------|-------|--------|
| #1 | -1164 | -8.174 | .0452 | 3.301 | -7.352 |
| #2 | -2138 | -59.90 | .6963 | 2.641 | -3.456 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2778 | -31.03 | -.0554 | -.1740 | .0209 |
| Stddev | .0638 | 50.15 | .2044 | .2078 | .2861 |
| %RSD | 22.95 | 161.6 | 368.6 | 119.5 | 1371. |

| | | | | | |
|----|--------|--------|--------|--------|--------|
| #1 | -.3229 | 4.433 | -.2000 | -.0270 | -.1814 |
| #2 | -.2327 | -66.49 | .0891 | -.3209 | .2232 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/22/2010 17:11:31 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2472 | -1.757 | 95.24 | -2.021 | .0427 |
| Stddev | .3654 | 3.766 | 40.79 | 36.92 | .0120 |
| %RSD | 147.8 | 214.4 | 42.83 | 1827. | 28.01 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -.5055 | -4.419 | 66.39 | 24.09 | .0343 |
| #2 | .0112 | .9060 | 124.1 | -28.13 | .0512 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3279 | -61.74 | -.3953 | -3.138 | 1.911 |
| Stddev | .0424 | 3.78 | .6873 | .440 | .984 |
| %RSD | 12.93 | 6.123 | 173.9 | 14.03 | 51.47 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | .2979 | -59.07 | -.8813 | -3.449 | 1.215 |
| #2 | .3578 | -64.42 | .0907 | -2.826 | 2.606 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/22/2010 17:11:31 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.313 | -4.132 | 1.213 | -.5329 | -.0121 |
| Stddev | .698 | 2.989 | 1.971 | .0552 | .0453 |
| %RSD | 53.17 | 72.33 | 162.5 | 10.36 | 374.7 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | 1.806 | -2.019 | -.1805 | -.5719 | -.0442 |
| #2 | .8191 | -6.246 | 2.607 | -.4938 | .0200 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.1633 | -1.130 | .3852 | .0808 |
| Stddev | .4522 | 1.293 | .1613 | .0048 |
| %RSD | 276.9 | 114.4 | 41.88 | 5.994 |

| | | | | |
|----|--------|--------|-------|-------|
| #1 | .1565 | -2.044 | .4993 | .0842 |
| #2 | -.4831 | -.2156 | .2712 | .0774 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCB Acquired: 5/22/2010 17:11:31 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 427.02 | 3817.4 | 3837.1 | 4841.7 |
| Stddev | 1.58 | 11.0 | 1.7 | 11.5 |
| %RSD | .37050 | .28856 | .04428 | .23689 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 425.90 | 3825.2 | 3838.3 | 4833.6 |
| #2 | 428.14 | 3809.6 | 3835.9 | 4849.8 |

Sample Name: 829313 Acquired: 5/22/2010 17:15:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3474 | 6282. | 3.919 | 13.46 | 82.68 |
| Stddev | .2131 | 16. | .613 | .45 | .09 |
| %RSD | 61.33 | .2596 | 15.65 | 3.322 | .1086 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.1968 | 6270. | 4.353 | 13.14 | 82.74 |
| #2 | -.4981 | 6293. | 3.486 | 13.77 | 82.61 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7238 | 26080. | 3.790 | 6.643 | 18.45 |
| Stddev | .1305 | 47. | .154 | .341 | .09 |
| %RSD | 18.04 | .1806 | 4.071 | 5.131 | .4843 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .6315 | 26110. | 3.899 | 6.402 | 18.51 |
| #2 | .8161 | 26050. | 3.681 | 6.884 | 18.39 |

Check ?
 Value
 Range

Sample Name: 829313 Acquired: 5/22/2010 17:15:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 202.6 | 10240. | 18610. | 4407. | 364.0 |
| Stddev | .2 | 19. | 80. | 20. | .4 |
| %RSD | .1231 | .1897 | .4317 | .4492 | .1188 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | 202.8 | 10250. | 18670. | 4393. | 364.3 |
| #2 | 202.4 | 10220. | 18550. | 4421. | 363.7 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 303.2 | 135.6 | 15.51 | 2360. | 20.96 |
| Stddev | .6 | 16.9 | .01 | 15. | 1.83 |
| %RSD | .2111 | 12.47 | .0652 | .6205 | 8.731 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 302.7 | 147.6 | 15.51 | 2350. | 19.67 |
| #2 | 303.6 | 123.6 | 15.52 | 2371. | 22.26 |

Check ?
 Value
 Range

Sample Name: 829313 Acquired: 5/22/2010 17:15:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.313 | 2.567 | 4888. | 7.108 | 180.6 |
| Stddev | 1.275 | .213 | .2 | .281 | .0 |
| %RSD | 38.49 | 8.288 | .0374 | 3.947 | .0271 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.411 | 2.717 | 4887. | 6.910 | 180.7 |
| #2 | 4.215 | 2.416 | 4889. | 7.306 | 180.6 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 266.9 | -2.909 | 28.87 | 225.9 |
| Stddev | .4 | 1.084 | .46 | .4 |
| %RSD | .1408 | 37.25 | 1.597 | .1892 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 267.1 | -2.143 | 29.19 | 225.6 |
| #2 | 266.6 | -3.675 | 28.54 | 226.2 |

Check ?
 Value
 Range

Sample Name: 829313 Acquired: 5/22/2010 17:15:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 417.52 | 3864.7 | 3858.2 | 4911.2 |
| Stddev | 1.14 | 10.0 | 8.3 | .9 |
| %RSD | .27342 | .25757 | .21437 | .01915 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 418.33 | 3857.6 | 3852.3 | 4910.5 |
| #2 | 416.71 | 3871.7 | 3864.0 | 4911.8 |

Sample Name: 829314 Acquired: 5/22/2010 17:19:16 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0792 | 183.8 | 1.688 | 16.78 | 41.93 |
| Stddev | .9200 | 25.7 | .369 | .37 | .71 |
| %RSD | 1161. | 13.97 | 21.88 | 2.218 | 1.689 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | .7298 | 165.6 | 1.427 | 17.04 | 41.43 |
| #2 | -.5713 | 201.9 | 1.949 | 16.52 | 42.43 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1212 | 13240. | 1.114 | .4915 | 2.609 |
| Stddev | .1463 | 20. | .231 | .4628 | .038 |
| %RSD | 120.7 | .1514 | 20.72 | 94.16 | 1.466 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.0178 | 13230. | 1.277 | .8187 | 2.636 |
| #2 | -.2246 | 13260. | .9504 | .1643 | 2.582 |

Check ? Value Range
 None None None None None

Sample Name: 829314 Acquired: 5/22/2010 17:19:16 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 25.93 | 535.8 | 93150. | 3145. | 174.2 |
| Stddev | .57 | 1.2 | 356. | 8. | .8 |
| %RSD | 2.199 | .2185 | .3824 | .2589 | .4500 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 25.52 | 536.6 | 92900. | 3150. | 174.7 |
| #2 | 26.33 | 535.0 | 93410. | 3139. | 173.6 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 330.2 | 29.35 | 1.592 | 7076. | 2.780 |
| Stddev | 1.0 | 9.60 | .393 | 17. | 1.759 |
| %RSD | .3115 | 32.72 | 24.72 | .2458 | 63.27 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 329.5 | 36.14 | 1.870 | 7063. | 1.536 |
| #2 | 331.0 | 22.56 | 1.313 | 7088. | 4.024 |

Check ? Value Range
 None None None None None

Sample Name: 829314 Acquired: 5/22/2010 17:19:16 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.086 | .9910 | 2509. | 7.494 | 127.9 |
| Stddev | .070 | .2810 | 12. | .400 | .3 |
| %RSD | 1.387 | 28.35 | .4706 | 5.333 | .2199 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 5.036 | .7924 | 2518. | 7.776 | 127.7 |
| #2 | 5.136 | 1.190 | 2501. | 7.211 | 128.1 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Th-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 12.52 | -2.154 | 4.849 | 207.7 |
| Stddev | .10 | 1.521 | .608 | .4 |
| %RSD | .7999 | 70.59 | 12.54 | .2078 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 12.44 | -3.229 | 4.419 | 207.4 |
| #2 | 12.59 | -1.079 | 5.279 | 208.0 |

Check ? Value Range
 None None None None

Sample Name: 829314 Acquired: 5/22/2010 17:19:16 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 401.19 | 3783.4 | 3784.5 | 4864.1 |
| Stddev | .09 | 24.4 | 7.1 | 19.3 |
| %RSD | .02125 | .64379 | .18787 | .39623 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 401.26 | 3766.1 | 3779.5 | 4877.7 |
| #2 | 401.13 | 3800.6 | 3789.6 | 4850.4 |

Sample Name: 829315 Acquired: 5/22/2010 17:23:09 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0662 | 1675. | 1.937 | 9.564 | 62.30 |
| Stddev | .2184 | 12. | 1.050 | .331 | 1.93 |
| %RSD | 330.1 | .7257 | 54.23 | 3.458 | 3.099 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | .2206 | 1666. | 2.679 | 9.797 | 60.94 |
| #2 | -.0883 | 1683. | 1.194 | 9.330 | 63.67 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1702 | 16550. | 2.357 | 3.992 | 4.428 |
| Stddev | .1866 | 65. | .156 | .113 | .263 |
| %RSD | 109.6 | .3948 | 6.604 | 2.821 | 5.928 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .3021 | 16600. | 2.467 | 3.912 | 4.613 |
| #2 | .0383 | 16510. | 2.247 | 4.072 | 4.242 |

Check ?
 Value
 Range

Sample Name: 829315 Acquired: 5/22/2010 17:23:09 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 105.1 | 3015. | 10010. | 1818. | 160.0 |
| Stddev | 1.4 | 2. | 142. | 6. | .1 |
| %RSD | 1.289 | .0721 | 1.416 | .3564 | .0686 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 106.1 | 3016. | 9912. | 1813. | 159.9 |
| #2 | 104.2 | 3013. | 10110. | 1823. | 160.1 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 253.7 | 162.1 | 8.450 | 1956. | 10.27 |
| Stddev | .4 | 27.2 | .713 | 4. | 3.06 |
| %RSD | .1553 | 16.80 | 8.433 | .1969 | 29.82 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 253.4 | 142.9 | 8.953 | 1954. | 12.44 |
| #2 | 254.0 | 181.4 | 7.946 | 1959. | 8.108 |

Check ?
 Value
 Range

Sample Name: 829315 Acquired: 5/22/2010 17:23:09 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.284 | .5206 | 2217. | 6.628 | 104.3 |
| Stddev | 1.226 | 2.648 | .4 | .845 | .2 |
| %RSD | 23.21 | 508.6 | .1733 | 12.75 | .2273 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 4.417 | 2.393 | 2220. | 7.226 | 104.4 |
| #2 | 6.151 | -1.352 | 2214. | 6.031 | 104.1 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 66.65 | -2.670 | 17.23 | 248.8 |
| Stddev | .10 | 1.623 | 1.25 | .4 |
| %RSD | .1430 | 60.78 | 7.264 | .1543 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 66.58 | -3.818 | 16.34 | 248.5 |
| #2 | 66.72 | -1.522 | 18.11 | 249.1 |

Check ?
 Value
 Range

Sample Name: 829315 Acquired: 5/22/2010 17:23:09 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 422.08 | 3845.9 | 3857.6 | 4894.4 |
| Stddev | .76 | 9.2 | .7 | 4.1 |
| %RSD | .18042 | .23914 | .01940 | .08350 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 422.62 | 3839.4 | 3857.1 | 4891.5 |
| #2 | 421.54 | 3852.4 | 3858.1 | 4897.3 |

Sample Name: 829316 Acquired: 5/22/2010 17:27:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4860 | 1973. | 1.022 | 82.10 | 68.50 |
| Stddev | .8481 | 8. | .660 | 1.03 | 4.83 |
| %RSD | 174.5 | .4274 | 64.60 | 1.255 | 7.044 |

| | | | | | |
|---------|--------|-------|-------|-------|-------|
| #1 | 1.086 | 1967. | 1.489 | 82.83 | 71.91 |
| #2 | -.1137 | 1979. | .5554 | 81.37 | 65.08 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0687 | 57960. | 4.472 | 2.216 | 11.61 |
| Stddev | .1838 | 143. | .199 | .297 | .06 |
| %RSD | 267.6 | .2469 | 4.454 | 13.42 | .4929 |

| | | | | | |
|---------|--------|--------|-------|-------|-------|
| #1 | .1986 | 58060. | 4.331 | 2.427 | 11.65 |
| #2 | -.0613 | 57860. | 4.612 | 2.006 | 11.57 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829316 Acquired: 5/22/2010 17:27:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 71.13 | 4231. | 74610. | 5064. | 230.5 |
| Stddev | 1.01 | 4. | 183. | 32. | .4 |
| %RSD | 1.418 | .0926 | .2452 | .6322 | .1658 |

| | | | | | |
|---------|-------|-------|--------|-------|-------|
| #1 | 70.42 | 4228. | 74740. | 5041. | 230.8 |
| #2 | 71.85 | 4234. | 74480. | 5087. | 230.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 143.2 | 104.2 | 14.44 | 5899. | 9.163 |
| Stddev | .2 | 8.3 | .52 | 4. | .406 |
| %RSD | .1411 | 7.935 | 3.579 | .0675 | 4.433 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 143.1 | 110.1 | 14.81 | 5896. | 8.876 |
| #2 | 143.3 | 98.39 | 14.08 | 5902. | 9.450 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829316 Acquired: 5/22/2010 17:27:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.421 | 3.079 | 1220. | 9.256 | 423.4 |
| Stddev | .616 | 6.092 | 5. | .027 | 1.8 |
| %RSD | 43.33 | 197.9 | .4224 | .2874 | .4189 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | .9854 | 7.387 | 1224. | 9.275 | 424.7 |
| #2 | 1.856 | -1.229 | 1216. | 9.237 | 422.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 116.0 | -1.889 | 9.146 | 395.6 |
| Stddev | .2 | .514 | .010 | .4 |
| %RSD | .1840 | 27.21 | .1118 | .0910 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 115.9 | -2.253 | 9.153 | 395.4 |
| #2 | 116.2 | -1.526 | 9.139 | 395.9 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829316 Acquired: 5/22/2010 17:27:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 398.09 | 3775.3 | 3779.6 | 4837.9 |
| Stddev | 1.19 | 9.7 | 2.7 | 53.6 |
| %RSD | .29930 | .25590 | .07216 | 1.1085 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 398.93 | 3768.4 | 3781.5 | 4800.0 |
| #2 | 397.25 | 3782.1 | 3777.7 | 4875.8 |

Sample Name: 829317 Acquired: 5/22/2010 17:31:00 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5421 | 1453. | 1.952 | 79.32 | 65.22 |
| Stddev | .0120 | 19. | .358 | 1.34 | 7.54 |
| %RSD | 2.215 | 1.277 | 18.34 | 1.687 | 11.57 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | .5506 | 1466. | 1.699 | 80.27 | 70.56 |
| #2 | .5336 | 1440. | 2.205 | 78.38 | 59.89 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0579 | 58730. | 4.911 | 1.714 | 7.605 |
| Stddev | .2226 | 81. | .060 | .045 | .112 |
| %RSD | 384.8 | .1375 | 1.228 | 2.639 | 1.476 |

| | | | | | |
|---------|--------|--------|-------|-------|-------|
| #1 | .2153 | 58670. | 4.868 | 1.682 | 7.526 |
| #2 | -.0996 | 58780. | 4.953 | 1.746 | 7.685 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829317 Acquired: 5/22/2010 17:31:00 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 72.56 | 3502. | 80970. | 4929. | 186.5 |
| Stddev | .04 | 22. | 58. | 38. | .9 |
| %RSD | .0541 | .6339 | .0721 | .7631 | .4884 |

| | | | | | |
|---------|-------|-------|--------|-------|-------|
| #1 | 72.53 | 3518. | 81010. | 4903. | 187.2 |
| #2 | 72.59 | 3487. | 80930. | 4956. | 185.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 167.8 | 74.26 | 14.79 | 6155. | 8.945 |
| Stddev | .1 | 3.74 | 1.28 | .0021 | 1.587 |
| %RSD | .0431 | 5.035 | 8.680 | .0021 | 17.74 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 167.8 | 76.90 | 13.88 | 6155. | 7.824 |
| #2 | 167.9 | 71.62 | 15.70 | 6155. | 10.07 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829317 Acquired: 5/22/2010 17:31:00 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.119 | 5.866 | 1164. | 8.764 | 427.3 |
| Stddev | .946 | 2.316 | .9 | .025 | 1.5 |
| %RSD | 30.32 | 39.48 | .7706 | .2811 | .3561 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 3.788 | 7.504 | 1170. | 8.782 | 426.2 |
| #2 | 2.450 | 4.229 | 1157. | 8.747 | 428.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 87.96 | -2.931 | 6.980 | 415.8 |
| Stddev | .80 | .699 | .415 | .7 |
| %RSD | .9149 | 23.86 | 5.947 | .1745 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 88.53 | -2.436 | 7.274 | 415.3 |
| #2 | 87.39 | -3.425 | 6.687 | 416.3 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829317 Acquired: 5/22/2010 17:31:00 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 397.00 | 3763.0 | 3771.9 | 4818.2 |
| Stddev | 1.18 | 16.2 | 6.8 | 12.6 |
| %RSD | .29692 | .43061 | .18049 | .26208 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 397.83 | 3751.5 | 3767.1 | 4827.1 |
| #2 | 396.16 | 3774.4 | 3776.7 | 4809.3 |

Sample Name: 829318 Acquired: 5/22/2010 17:34:59 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3551 | 1815. | 2.045 | 85.99 | 110.0 |
| Stddev | 1.515 | 27. | 244 | .81 | 2.9 |
| %RSD | 426.7 | 1.500 | 11.91 | .9364 | 2.658 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | 1.427 | 1834. | 1.873 | 85.42 | 107.9 |
| #2 | -.7163 | 1796. | 2.218 | 86.55 | 112.1 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0683 | 31920. | 4.660 | 2.877 | 6.000 |
| Stddev | .0748 | 115. | .036 | .325 | .084 |
| %RSD | 109.5 | .3590 | .7711 | 11.30 | 1.400 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .0154 | 32000. | 4.635 | 2.648 | 5.941 |
| #2 | .1211 | 31840. | 4.686 | 3.107 | 6.060 |

Check ?
 Value
 Range

Sample Name: 829318 Acquired: 5/22/2010 17:34:59 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 117.5 | 3258. | 54900. | 2856. | 147.4 |
| Stddev | .5 | 14. | 98. | 10. | .0 |
| %RSD | .3975 | .4280 | .1788 | .3658 | .0148 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 117.9 | 3248. | 54960. | 2849. | 147.4 |
| #2 | 117.2 | 3268. | 54830. | 2864. | 147.4 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 317.9 | 204.3 | 9.058 | 2215. | 7.608 |
| Stddev | .3 | 3.5 | .854 | 1. | 1.972 |
| %RSD | .0811 | 1.690 | 9.427 | .0377 | 25.92 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 317.7 | 206.8 | 9.662 | 2215. | 6.214 |
| #2 | 318.1 | 201.9 | 8.454 | 2214. | 9.003 |

Check ?
 Value
 Range

Sample Name: 829318 Acquired: 5/22/2010 17:34:59 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.449 | 3.121 | 1178. | 6.604 | 346.3 |
| Stddev | .707 | 4.784 | 2. | .420 | 4.6 |
| %RSD | 12.98 | 153.3 | .2016 | 6.363 | 1.340 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 5.949 | 6.504 | 1180. | 6.901 | 349.5 |
| #2 | 4.949 | -.2616 | 1177. | 6.307 | 343.0 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 72.03 | -2.969 | 27.20 | 222.2 |
| Stddev | .25 | .433 | .20 | .5 |
| %RSD | .3520 | 14.58 | .7337 | .2342 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 72.21 | -2.663 | 27.06 | 221.8 |
| #2 | 71.85 | -3.276 | 27.34 | 222.6 |

Check ?
 Value
 Range

Sample Name: 829318 Acquired: 5/22/2010 17:34:59 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 409.45 | 3869.5 | 3856.0 | 4916.2 |
| Stddev | .32 | 3.3 | 4.8 | 15.5 |
| %RSD | .07849 | .08411 | .12533 | .31435 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 409.22 | 3867.2 | 3852.6 | 4905.3 |
| #2 | 409.68 | 3871.8 | 3859.4 | 4927.1 |

Sample Name: 829319 Acquired: 5/22/2010 17:38:59 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4212 | 1713. | 2.441 | 93.30 | 90.75 |
| Stddev | .5349 | 11. | .538 | .65 | 2.09 |
| %RSD | 127.0 | .6573 | 22.03 | .6919 | 2.306 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | .7994 | 1721. | 2.061 | 92.84 | 92.23 |
| #2 | .0429 | 1705. | 2.821 | 93.76 | 89.27 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0524 | 28390. | 5.584 | 2.079 | 5.683 |
| Stddev | .0510 | 154. | .132 | .013 | .024 |
| %RSD | 97.25 | .5436 | 2.357 | .6005 | .4167 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | .0164 | 28280. | 5.678 | 2.070 | 5.700 |
| #2 | .0885 | 28500. | 5.491 | 2.088 | 5.666 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829319 Acquired: 5/22/2010 17:38:59 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.13 | 2910. | 51010. | 2846. | 145.7 |
| Stddev | .02 | 3. | 52. | 95. | .1 |
| %RSD | .0247 | .1040 | .1023 | 3.352 | .0569 |

| | | | | | |
|---------|-------|-------|--------|-------|-------|
| #1 | 98.11 | 2908. | 50970. | 2778. | 145.8 |
| #2 | 98.15 | 2913. | 51040. | 2913. | 145.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 390.7 | 198.7 | 7.721 | 2345. | 7.887 |
| Stddev | .5 | 25.4 | .119 | 8. | 2.627 |
| %RSD | .1179 | 12.80 | 1.545 | .3276 | 33.31 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 391.0 | 180.7 | 7.637 | 2339. | 9.745 |
| #2 | 390.4 | 216.7 | 7.806 | 2350. | 6.030 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829319 Acquired: 5/22/2010 17:38:59 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.963 | 2.920 | 1166. | 6.791 | 331.5 |
| Stddev | .397 | 2.210 | 3. | .066 | .5 |
| %RSD | 20.21 | 75.68 | .2149 | .9654 | .1529 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 2.243 | 4.483 | 1168. | 6.744 | 331.1 |
| #2 | 1.682 | 1.358 | 1164. | 6.837 | 331.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 64.56 | -3.371 | 24.03 | 226.8 |
| Stddev | .12 | .072 | .10 | .9 |
| %RSD | .1807 | 2.140 | .4302 | .4065 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 64.48 | -3.320 | 24.10 | 226.2 |
| #2 | 64.64 | -3.422 | 23.95 | 227.5 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829319 Acquired: 5/22/2010 17:38:59 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 415.57 | 3864.2 | 3870.9 | 4937.2 |
| Stddev | .91 | 7.9 | 4.3 | 9.9 |
| %RSD | .21890 | .20491 | .11218 | .20010 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 416.22 | 3869.8 | 3873.9 | 4944.2 |
| #2 | 414.93 | 3858.6 | 3867.8 | 4930.2 |

Sample Name: 829320 Acquired: 5/22/2010 17:42:56 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3031 | 237.8 | 1.813 | 16.85 | 34.60 |
| Stddev | .7013 | 24.0 | 3.131 | .21 | .63 |
| %RSD | 231.4 | 10.09 | 172.7 | 1.263 | 1.814 |
| #1 | .7990 | 254.8 | -4010 | 17.00 | 34.15 |
| #2 | -.1928 | 220.9 | 4.027 | 16.70 | 35.04 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0504 | 13830. | 1.055 | 4035 | 3.214 |
| Stddev | .3074 | 84. | .102 | .0366 | .191 |
| %RSD | 609.3 | .6076 | 9.643 | 9.067 | 5.931 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | .1669 | 13770. | .9833 | .4294 | 3.349 |
| #2 | -.2678 | 13890. | 1.127 | .3776 | 3.079 |

Check ? Value Range
 None None None None None

Sample Name: 829320 Acquired: 5/22/2010 17:42:56 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 29.44 | 688.4 | 85400. | 3614. | 280.7 |
| Stddev | .16 | 5.9 | 249. | 19. | .0 |
| %RSD | .5360 | .8543 | .2920 | .5333 | .0055 |
| #1 | 29.33 | 684.2 | 85220. | 3600. | 280.7 |
| #2 | 29.55 | 692.5 | 85580. | 3627. | 280.7 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_-LWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 320.9 | 39.47 | 2.221 | 8214. | 3.213 |
| Stddev | .9 | 6.40 | .149 | 5. | 3.269 |
| %RSD | .2830 | 16.21 | 6.729 | .0643 | 101.7 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 320.3 | 34.95 | 2.115 | 8218. | .9014 |
| #2 | 321.6 | 44.00 | 2.327 | 8211. | 5.525 |

Check ? Value Range
 None None None None None

Sample Name: 829320 Acquired: 5/22/2010 17:42:56 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_-LWAX) | (Y_-LWAX) | (Y_HWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.672 | 1.767 | 2996. | 8.270 | 133.2 |
| Stddev | 4.145 | .130 | 2. | .388 | .9 |
| %RSD | 155.1 | 7.340 | .0741 | 4.693 | .6568 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.2593 | 1.858 | 2994. | 8.545 | 133.8 |
| #2 | 5.603 | 1.675 | 2997. | 7.996 | 132.6 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 13.85 | -3.723 | 4.866 | 197.8 |
| Stddev | .22 | 1.692 | .700 | .2 |
| %RSD | 1.609 | 45.44 | 14.38 | .1234 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 14.00 | -4.919 | 4.371 | 197.9 |
| #2 | 13.69 | -2.527 | 5.360 | 197.6 |

Check ? Value Range
 None None None None

Sample Name: 829320 Acquired: 5/22/2010 17:42:56 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_-LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 405.58 | 3800.1 | 3818.4 | 4868.7 |
| Stddev | .56 | 3.4 | 2.9 | 16.4 |
| %RSD | .13765 | .08818 | .07505 | .33595 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 405.19 | 3797.7 | 3816.4 | 4857.2 |
| #2 | 405.98 | 3802.4 | 3820.4 | 4880.3 |

Sample Name: 829321 Acquired: 5/22/2010 17:46:49 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3999 | 8435. | 6.976 | 13.12 | 148.2 |
| Stddev | .3775 | 31. | 2.060 | .33 | 4.7 |
| %RSD | 94.40 | .3708 | 29.53 | 2.490 | 3.138 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .6669 | 8413. | 8.433 | 12.89 | 144.9 |
| #2 | .1330 | 8457. | 5.520 | 13.35 | 151.5 |

Check ?
 Value
 Range

| | | | | | |
|------|------|------|------|------|------|
| None | None | None | None | None | None |
|------|------|------|------|------|------|

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5960 | 31000. | 2.195 | 10.23 | 43.77 |
| Stddev | .1346 | 61. | .033 | .29 | .01 |
| %RSD | 22.58 | .1978 | 1.513 | 2.789 | .0263 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .6911 | 30950. | 2.172 | 10.43 | 43.76 |
| #2 | .5008 | 31040. | 2.219 | 10.03 | 43.78 |

Check ?
 Value
 Range

| | | | | | |
|------|------|------|------|------|------|
| None | None | None | None | None | None |
|------|------|------|------|------|------|

Sample Name: 829321 Acquired: 5/22/2010 17:46:49 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 171.5 | 14420. | 13780. | 5864. | 418.2 |
| Stddev | .3 | 37. | 99. | 37. | .5 |
| %RSD | .1698 | .2542 | .7208 | .6324 | .1131 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | 171.7 | 14450. | 13860. | 5838. | 418.5 |
| #2 | 171.3 | 14400. | 13710. | 5890. | 417.8 |

Check ?
 Value
 Range

| | | | | | |
|------|------|------|------|------|------|
| None | None | None | None | None | None |
|------|------|------|------|------|------|

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 227.6 | 286.3 | 21.36 | 2632. | 27.68 |
| Stddev | .3 | 4.8 | 1.04 | . | 2.26 |
| %RSD | .1535 | 1.660 | 4.865 | .0100 | 8.182 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 227.4 | 282.9 | 20.63 | 2632. | 26.07 |
| #2 | 227.9 | 289.6 | 22.10 | 2632. | 29.28 |

Check ?
 Value
 Range

| | | | | | |
|------|------|------|------|------|------|
| None | None | None | None | None | None |
|------|------|------|------|------|------|

Sample Name: 829321 Acquired: 5/22/2010 17:46:49 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.720 | .4039 | 4607. | 8.048 | 176.2 |
| Stddev | .641 | 2.555 | 18. | .129 | 1.7 |
| %RSD | 17.23 | 632.6 | .3801 | 1.601 | .9592 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 3.267 | 2.210 | 4620. | 8.139 | 175.0 |
| #2 | 4.173 | -1.403 | 4595. | 7.957 | 177.4 |

Check ?
 Value
 Range

| | | | | | |
|------|------|------|------|------|------|
| None | None | None | None | None | None |
|------|------|------|------|------|------|

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 289.6 | -4.423 | 36.32 | 203.9 |
| Stddev | 0 | 1.615 | 1.07 | .7 |
| %RSD | .0121 | 36.52 | 2.954 | .3667 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 289.6 | -5.565 | 37.08 | 203.4 |
| #2 | 289.7 | -3.281 | 35.56 | 204.5 |

Check ?
 Value
 Range

| | | | | |
|------|------|------|------|------|
| None | None | None | None | None |
|------|------|------|------|------|

Sample Name: 829321 Acquired: 5/22/2010 17:46:49 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 415.13 | 3858.7 | 3866.9 | 4871.1 |
| Stddev | 4.44 | 13.7 | 22.9 | 17.4 |
| %RSD | 1.0705 | .35376 | .59307 | .35667 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 418.27 | 3849.0 | 3883.1 | 4883.4 |
| #2 | 411.98 | 3868.3 | 3850.7 | 4858.8 |

Sample Name: 829322 Acquired: 5/22/2010 17:50:41 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 6841 | 209.9 | .8948 | 17.20 | 20.13 |
| Stddev | .0795 | 19.6 | 2.277 | .62 | 3.63 |
| %RSD | 11.63 | 9.313 | 254.5 | 3.580 | 18.05 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | .7404 | 196.1 | 2.505 | 16.77 | 17.56 |
| #2 | .6279 | 223.8 | -.7153 | 17.64 | 22.69 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1998 | 12200. | .8823 | .1561 | 2.490 |
| Stddev | .0364 | 154. | .0696 | .1916 | .141 |
| %RSD | 18.20 | 1.261 | 7.891 | 122.8 | 5.685 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.1741 | 12090. | .8330 | .0206 | 2.590 |
| #2 | -.2255 | 12310. | .9315 | .2915 | 2.390 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829322 Acquired: 5/22/2010 17:50:41 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.33 | 602.3 | 83740. | 2781. | 196.5 |
| Stddev | .20 | 9.0 | 198. | 38. | .1 |
| %RSD | .8519 | 1.491 | .2365 | 1.350 | .0257 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 23.19 | 608.7 | 83880. | 2807. | 196.6 |
| #2 | 23.47 | 596.0 | 83600. | 2754. | 196.5 |

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_-LWAX) | (Y_HWRD) | (Y_-LWAX) | (Y_-LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 104.9 | -19.67 | 1.630 | 5252. | 3.016 |
| Stddev | .0 | 30.13 | .719 | 3. | .488 |
| %RSD | .0385 | 153.2 | 44.11 | .0593 | 16.17 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 105.0 | -40.97 | 1.122 | 5250. | 3.361 |
| #2 | 104.9 | 1.637 | 2.139 | 5254. | 2.671 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829322 Acquired: 5/22/2010 17:50:41 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_-LWAX) | (Y_-LWAX) | (Y_HWAX) | (Y_-LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.230 | 4.275 | 2831. | 9.073 | 98.85 |
| Stddev | .975 | 2.857 | 1. | 1.292 | .32 |
| %RSD | 30.18 | 66.83 | .0212 | 14.24 | .3283 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.540 | 2.255 | 2831. | 9.986 | 99.08 |
| #2 | 3.919 | 6.295 | 2830. | 8.159 | 98.63 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_-LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 10.76 | -3.058 | 1.780 | 217.6 |
| Stddev | .04 | .206 | .246 | .3 |
| %RSD | .3459 | 6.752 | 13.79 | .1377 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 10.73 | -3.204 | 1.954 | 217.8 |
| #2 | 10.79 | -2.912 | 1.606 | 217.4 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829322 Acquired: 5/22/2010 17:50:41 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_-LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 408.33 | 3793.6 | 3808.1 | 4808.0 |
| Stddev | 1.24 | 7.4 | 7.5 | 15.2 |
| %RSD | .30336 | .19430 | .19702 | .31574 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 407.46 | 3788.3 | 3802.8 | 4797.2 |
| #2 | 409.21 | 3798.8 | 3813.4 | 4818.7 |

Sample Name: CCV Acquired: 5/22/2010 17:54:34 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.91 | 30250. | 101.2 | 722.0 | 192.0 |
| Stddev | 1.42 | 158. | 1.0 | 2.5 | 10.6 |
| %RSD | 1.448 | .5222 | 1.035 | .3469 | 5.506 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 98.91 | 30360. | 100.5 | 720.3 | 184.5 |
| #2 | 96.91 | 30140. | 102.0 | 723.8 | 199.4 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.1 | 29870. | 98.17 | 191.6 | 197.8 |
| Stddev | .2 | 186. | .02 | .6 | .3 |
| %RSD | .2308 | .6222 | .0187 | .2994 | .1321 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 101.3 | 30000. | 98.18 | 191.2 | 197.7 |
| #2 | 100.9 | 29730. | 98.15 | 192.0 | 198.0 |

Check ? High Limit Low Limit
 Check Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/22/2010 17:54:34 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 188.2 | 30370. | 30210. | 30330. | 191.7 |
| Stddev | .6 | 44. | 20. | 28. | .2 |
| %RSD | .3209 | .1456 | .0656 | .0920 | .1146 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 188.6 | 30340. | 30230. | 30310. | 191.6 |
| #2 | 187.7 | 30400. | 30200. | 30350. | 191.9 |

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 201.3 | 30380. | 189.0 | 200.8 | 406.2 |
| Stddev | .7 | 116. | 1.4 | 1.0 | 1.3 |
| %RSD | .3384 | .3818 | .7240 | .5010 | .3214 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 200.8 | 30460. | 188.0 | 200.1 | 407.1 |
| #2 | 201.8 | 30300. | 189.9 | 201.6 | 405.3 |

Check ? High Limit Low Limit
 Check Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/22/2010 17:54:34 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 296.3 | 96.76 | 1020. | 194.7 | 303.0 |
| Stddev | 3.9 | 4.43 | 3. | .3 | 2.8 |
| %RSD | 1.324 | 4.574 | .3370 | .1632 | .9341 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 293.6 | 99.89 | 1022. | 194.5 | 305.0 |
| #2 | 299.1 | 93.63 | 1017. | 194.9 | 301.0 |

Check ? High Limit Low Limit
 Check Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 400.4 | 101.4 | 202.5 | 201.3 |
| Stddev | 1.0 | .2 | .5 | .8 |
| %RSD | .2493 | .1872 | .2267 | .3757 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 399.7 | 101.6 | 202.2 | 200.7 |
| #2 | 401.1 | 101.3 | 202.9 | 201.8 |

Check ? High Limit Low Limit
 Check Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/22/2010 17:54:34 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 394.93 | 3768.1 | 3750.4 | 4769.0 |
| Stddev | .11 | 26.2 | 2.1 | 2.0 |
| %RSD | .02730 | .69510 | .05570 | .04256 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 394.86 | 3786.6 | 3748.9 | 4767.6 |
| #2 | 395.01 | 3749.6 | 3751.9 | 4770.4 |

Sample Name: CCB Acquired: 5/22/2010 17:58:23 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .7896 | -12.15 | -2.765 | 2.784 | -2.272 |
| Stddev | .7073 | 22.02 | .523 | .819 | 1.702 |
| %RSD | 89.58 | 181.2 | 18.92 | 29.42 | 74.92 |
| #1 | .2894 | 3.421 | -2.395 | 3.364 | -1.068 |
| #2 | 1.290 | -27.72 | -3.135 | 2.205 | -3.475 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0755 | -22.58 | .2196 | .1009 | .1264 |
| Stddev | .0106 | 93.99 | .1294 | .3900 | .1694 |
| %RSD | 14.06 | 416.3 | 58.93 | 386.5 | 134.1 |
| #1 | -.0680 | -89.04 | .1281 | -.1748 | .0066 |
| #2 | -.0830 | 43.88 | .3111 | .3766 | .2462 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/22/2010 17:58:23 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1280 | 9.330 | 74.81 | 34.41 | .0433 |
| Stddev | .1259 | .170 | 79.44 | 14.89 | .0719 |
| %RSD | 98.38 | 1.818 | 106.2 | 43.28 | 165.8 |
| #1 | .0390 | 9.450 | 18.63 | 23.88 | -.0075 |
| #2 | .2170 | 9.210 | 131.0 | 44.95 | .0942 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6408 | -58.70 | .5456 | -1.108 | 2.481 |
| Stddev | .2812 | 20.38 | .3409 | .952 | 1.320 |
| %RSD | 43.87 | 34.71 | 62.48 | 85.92 | 53.23 |
| #1 | .8396 | -44.29 | .7866 | -.4347 | 3.414 |
| #2 | .4420 | -73.11 | .3046 | -1.781 | 1.547 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/22/2010 17:58:23 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.110 | -.6836 | 1.670 | -1.103 | .0149 |
| Stddev | 2.066 | .6612 | .826 | .298 | .0017 |
| %RSD | 186.1 | 96.73 | 49.46 | 26.99 | 11.62 |
| #1 | -.3505 | -.2160 | 1.086 | -1.314 | .0161 |
| #2 | 2.571 | -1.151 | 2.254 | -.8929 | .0137 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0418 | .0845 | .3603 | -.0865 |
| Stddev | .3427 | .2011 | .3342 | .1880 |
| %RSD | 820.5 | 238.1 | 92.75 | 217.3 |
| #1 | -.2841 | -.0577 | .1240 | -.2195 |
| #2 | .2006 | .2267 | .5967 | .0464 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/22/2010 17:58:23 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 425.29 | 3817.0 | 3825.2 | 4800.6 |
| Stddev | 3.41 | 9.9 | 15.5 | 32.6 |
| %RSD | .80088 | .25982 | .40422 | .67947 |
| #1 | 422.88 | 3824.0 | 3814.3 | 4777.6 |
| #2 | 427.70 | 3810.0 | 3836.2 | 4823.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: 829323 Acquired: 5/22/2010 18:02:17 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3576 | 19970. | 15.02 | 16.94 | 115.4 |
| Stddev | .1194 | 44. | .13 | .02 | 4.3 |
| %RSD | 33.39 | .2184 | .8598 | .1041 | 3.696 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .4421 | 20000. | 15.11 | 16.93 | 112.4 |
| #2 | .2732 | 19940. | 14.93 | 16.95 | 118.4 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.258 | 22230. | 5.402 | 17.81 | 49.31 |
| Stddev | .369 | 83. | .098 | .41 | .09 |
| %RSD | 16.34 | .3736 | 1.809 | 2.327 | .1834 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 2.519 | 22290. | 5.471 | 18.11 | 49.37 |
| #2 | 1.997 | 22170. | 5.333 | 17.52 | 49.25 |

Check ? Value Range
 None None None None None

Sample Name: 829323 Acquired: 5/22/2010 18:02:17 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 191.9 | 38620. | 17810. | 11710. | 1004. |
| Stddev | .5 | 4. | 115. | 64. | 1. |
| %RSD | .2673 | .0108 | .6463 | .5463 | .1284 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 192.2 | 38610. | 17890. | 11750. | 1003. |
| #2 | 191.5 | 38620. | 17720. | 11660. | 1005. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 140.3 | 595.8 | 39.43 | 2325. | 53.99 |
| Stddev | .4 | 13.9 | .61 | 4. | 1.02 |
| %RSD | .2737 | 2.326 | 1.552 | .1571 | 1.880 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 140.0 | 605.6 | 38.99 | 2327. | 53.28 |
| #2 | 140.5 | 586.0 | 39.86 | 2322. | 54.71 |

Check ? Value Range
 None None None None None

Sample Name: 829323 Acquired: 5/22/2010 18:02:17 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0303 | 3.437 | 5625. | 4.853 | 207.5 |
| Stddev | .7191 | 4.863 | 7. | .111 | .1 |
| %RSD | 2370. | 141.5 | .1329 | 2.281 | .0424 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | .5388 | 6.876 | 5620. | 4.932 | 207.6 |
| #2 | -.4781 | -.0014 | 5631. | 4.775 | 207.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 624.3 | -3.106 | 60.17 | 509.4 |
| Stddev | 2.3 | 1.539 | 1.12 | .3 |
| %RSD | .3738 | 49.55 | 1.862 | .0523 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 622.7 | -2.018 | 59.38 | 509.2 |
| #2 | 626.0 | -4.195 | 60.97 | 509.6 |

Check ? Value Range
 None None None None

Sample Name: 829323 Acquired: 5/22/2010 18:02:17 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 414.38 | 3931.2 | 3930.5 | 5009.4 |
| Stddev | 1.96 | 2.9 | 8.1 | 7.8 |
| %RSD | .47365 | .07256 | .20733 | .15499 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 415.76 | 3933.2 | 3936.3 | 5003.9 |
| #2 | 412.99 | 3929.2 | 3924.8 | 5014.9 |

Sample Name: 829324 Acquired: 5/22/2010 18:06:08 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3800 | 144.8 | .8029 | 15.41 | 16.02 |
| Stddev | .5670 | 1.1 | 1.864 | .35 | .18 |
| %RSD | 149.2 | .7902 | 232.2 | 2.271 | 1.113 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | .7809 | 145.6 | -.5154 | 15.65 | 15.89 |
| #2 | -.0209 | 144.0 | 2.121 | 15.16 | 16.15 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2155 | 12220. | .8929 | .1379 | 2.471 |
| Stddev | .2771 | 94. | .3299 | .0337 | .109 |
| %RSD | 128.6 | .7724 | 36.94 | 24.41 | 4.398 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.0196 | 12280. | 1.126 | .1141 | 2.548 |
| #2 | -.4114 | 12150. | .6597 | .1617 | 2.394 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829324 Acquired: 5/22/2010 18:06:08 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 22.06 | 551.2 | 87100. | 2638. | 124.6 |
| Stddev | .99 | 5.3 | 199. | 32. | .6 |
| %RSD | 4.501 | .9632 | .2287 | 1.225 | .4793 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 21.36 | 547.4 | 86960. | 2615. | 124.2 |
| #2 | 22.77 | 555.0 | 87240. | 2661. | 125.0 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 125.9 | -.3734 | .6963 | 5983. | .9823 |
| Stddev | .1 | 3.60 | .1280 | 5. | 1.784 |
| %RSD | .0817 | 9.634 | 18.38 | .0903 | 181.6 |

| | | | | | |
|----|-------|---------|-------|-------|--------|
| #1 | 126.0 | -.39.89 | .6057 | 5979. | -.2794 |
| #2 | 125.9 | -.34.80 | .7868 | 5987. | 2.244 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829324 Acquired: 5/22/2010 18:06:08 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.405 | 5.592 | 2213. | 10.38 | 84.28 |
| Stddev | .722 | .337 | 12. | .94 | .57 |
| %RSD | 21.20 | 6.024 | .5203 | 9.094 | .6791 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 3.915 | 5.354 | 2205. | 9.714 | 83.88 |
| #2 | 2.894 | 5.830 | 2221. | 11.05 | 84.69 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9.384 | -.2778 | 2.271 | 173.5 |
| Stddev | .259 | .211 | .027 | .5 |
| %RSD | 2.755 | 7.583 | 1.208 | .2972 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 9.201 | -.2927 | 2.252 | 173.9 |
| #2 | 9.567 | -.2629 | 2.291 | 173.1 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829324 Acquired: 5/22/2010 18:06:08 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 403.09 | 3768.5 | 3781.2 | 4819.7 |
| Stddev | .35 | 17.7 | 12.4 | 32.3 |
| %RSD | .08649 | .46912 | .32691 | .67117 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 403.34 | 3781.0 | 3772.5 | 4842.6 |
| #2 | 402.85 | 3756.0 | 3790.0 | 4796.9 |

Sample Name: 829325 Acquired: 5/22/2010 18:10:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B -LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 396.152 {85} | 189.042 {479} | 208.959 {461} | 233.527 {144} |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.351 | 152.10 | 11.85 | 9.761 | 111.1 |
| Stddev | .445 | .46 | .41 | 1.191 | 4.2 |
| %RSD | 32.97 | .3008 | 3.434 | 12.20 | 3.795 |
| #1 | 1.036 | 15180. | 11.56 | 8.919 | 114.1 |
| #2 | 1.665 | 15240. | 12.14 | 10.60 | 108.2 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 {108} | 318.128 {106} | 228.802 {447} | 228.616 {447} | 205.552 {464} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.278 | 25860. | 5.425 | 15.16 | 47.34 |
| Stddev | .071 | .73 | .230 | .07 | .08 |
| %RSD | 5.554 | .2814 | 4.245 | .4538 | .1682 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 1.228 | 25910. | 5.588 | 15.11 | 47.39 |
| #2 | 1.328 | 25810. | 5.262 | 15.21 | 47.28 |

Check ? Value Range
 None None None None None

Sample Name: 829325 Acquired: 5/22/2010 18:10:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 {104}2 | 271.441 {124}2 | 766.490 {44} | 279.079 {121} | 257.610 {131}2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 323.1 | 31900. | 17840. | 9601. | 1192. |
| Stddev | .1 | 51. | 151. | 107. | 1. |
| %RSD | .0225 | .1606 | .8447 | 1.112 | .1057 |
| #1 | 323.1 | 31940. | 17740. | 9677. | 1193. |
| #2 | 323.0 | 31860. | 17950. | 9526. | 1191. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P -LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 {467} | 589.592 {57} | 231.604 {445} | 178.284 {489} | 220.353 {453} |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | {in2306} |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 234.3 | 312.3 | 33.91 | 2537. | 63.10 |
| Stddev | .4 | 6.4 | .07 | 8. | 3.63 |
| %RSD | .1529 | 2.056 | .2012 | .3219 | 5.759 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 234.5 | 316.9 | 33.96 | 2531. | 65.67 |
| #2 | 234.0 | 307.8 | 33.87 | 2543. | 60.53 |

Check ? Value Range
 None None None None None

Sample Name: 829325 Acquired: 5/22/2010 18:10:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 {463} | 196.090 {472} | 288.158 {117} | 189.989 {477}2 | 407.771 {83} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.840 | 2.793 | 2561. | 5.214 | 139.8 |
| Stddev | 1.163 | 1.258 | 10. | .016 | 1.2 |
| %RSD | 63.19 | 45.03 | .3710 | .3110 | .8907 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1.018 | 3.683 | 2568. | 5.202 | 140.7 |
| #2 | 2.662 | 1.904 | 2555. | 5.225 | 139.0 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 {101}2 | 190.856 {477} | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | {in2306} | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 588.3 | -3.225 | 52.60 | 481.3 |
| Stddev | .1 | .118 | .15 | 1.5 |
| %RSD | .0174 | 3.656 | .2832 | .3099 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 588.2 | -3.141 | 52.71 | 480.3 |
| #2 | 588.3 | -3.308 | 52.50 | 482.4 |

Check ? Value Range
 None None None None

Sample Name: 829325 Acquired: 5/22/2010 18:10:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 {446} | 224.306 {150} | 224.306 {450} | 371.030 {91} |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 412.66 | 3899.4 | 3895.6 | 4887.3 |
| Stddev | 3.17 | 8.3 | 3.6 | 50.0 |
| %RSD | .76840 | .21258 | .09330 | 1.0225 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 414.90 | 3893.5 | 3898.2 | 4851.9 |
| #2 | 410.42 | 3905.3 | 3893.0 | 4922.6 |

Sample Name: 829326 Acquired: 5/22/2010 18:13:53 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.453 | 2626. | 4.388 | 58.70 | 30.65 |
| Stddev | .375 | .31 | .360 | .14 | 5.90 |
| %RSD | 25.80 | 1.171 | 8.211 | .2423 | 19.25 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 1.188 | 2604. | 4.643 | 58.60 | 26.47 |
| #2 | 1.718 | 2647. | 4.133 | 58.80 | 34.82 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4453 | 23640. | 11.63 | 3.788 | 11.17 |
| Stddev | .1864 | 131. | .02 | .426 | .28 |
| %RSD | 41.87 | .5557 | .2026 | 11.24 | 2.468 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | .3135 | 23730. | 11.62 | 4.089 | 10.97 |
| #2 | .5771 | 23540. | 11.65 | 3.487 | 11.36 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829326 Acquired: 5/22/2010 18:13:53 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.9 | 6657. | 77470. | 9227. | 383.8 |
| Stddev | .5 | .22 | .208 | .14 | .8 |
| %RSD | .2271 | .3312 | .2679 | .1491 | .2167 |

| | | | | | |
|---------|-------|-------|--------|-------|-------|
| #1 | 200.2 | 6672. | 77620. | 9237. | 384.4 |
| #2 | 199.6 | 6641. | 77320. | 9217. | 383.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 159.9 | 421.4 | 8.472 | 3210. | 26.70 |
| Stddev | .1 | 5.5 | .221 | .7 | 2.53 |
| %RSD | .0596 | 1.314 | 2.606 | .2190 | 9.461 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 159.8 | 425.3 | 8.316 | 3205. | 24.91 |
| #2 | 160.0 | 417.5 | 8.628 | 3215. | 28.48 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829326 Acquired: 5/22/2010 18:13:53 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.045 | 1.260 | 1323. | 9.749 | 191.0 |
| Stddev | 3.294 | .655 | .7 | .087 | .6 |
| %RSD | 108.2 | 51.97 | .5151 | .8897 | .3195 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | .7155 | 1.724 | 1328. | 9.810 | 190.5 |
| #2 | 5.374 | .7972 | 1319. | 9.688 | 191.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 119.6 | -3.708 | 13.10 | 359.1 |
| Stddev | .4 | 1.192 | .50 | .5 |
| %RSD | .3746 | 32.15 | 3.835 | .1340 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 119.9 | -4.551 | 13.45 | 358.7 |
| #2 | 119.3 | -2.865 | 12.74 | 359.4 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829326 Acquired: 5/22/2010 18:13:53 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 406.56 | 3831.4 | 3830.1 | 4864.5 |
| Stddev | .04 | 21.4 | 16.1 | 6.0 |
| %RSD | .00913 | .55743 | .42035 | .12279 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 406.59 | 3816.3 | 3818.8 | 4860.2 |
| #2 | 406.53 | 3846.5 | 3841.5 | 4868.7 |

Sample Name: 829327 Acquired: 5/22/2010 18:17:44 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1610 | 199.7 | 1.205 | 136.3 | 7.638 |
| Stddev | .3208 | 2.3 | 1.118 | .2 | 8.340 |
| %RSD | 199.3 | 1.143 | 92.79 | .1617 | 109.2 |

#1 .0659 201.3 1.995 136.1 13.54
 #2 -.3879 198.1 .4143 136.4 1.741

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0681 | 26070. | 14.73 | .0654 | 1.427 |
| Stddev | .1592 | 56. | .02 | .4895 | .098 |
| %RSD | 233.8 | .2148 | .1074 | 748.1 | 6.887 |

#1 .0445 26030. 14.71 -.2807 1.357
 #2 -.1807 26110. 14.74 .4115 1.496

Check ? Value Range
 None None None None None

Sample Name: 829327 Acquired: 5/22/2010 18:17:44 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 93.70 | 549.0 | 53800. | 5900. | 487.6 |
| Stddev | .61 | 4.0 | 317. | 3. | 1.1 |
| %RSD | .6537 | .7312 | .5883 | .0437 | .2249 |

#1 93.26 551.8 54030. 5898. 486.8
 #2 94.13 546.1 53580. 5902. 488.4

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 41.13 | 35.95 | 4.918 | 7442. | 1.477 |
| Stddev | .07 | 2.77 | .642 | 20. | .360 |
| %RSD | .1735 | 7.691 | 13.05 | .2740 | 24.35 |

#1 41.18 37.91 4.464 7428. 1.223
 #2 41.08 34.00 5.372 7457. 1.731

Check ? Value Range
 None None None None None

Sample Name: 829327 Acquired: 5/22/2010 18:17:44 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.837 | 5.318 | 414.9 | 11.55 | 226.5 |
| Stddev | 3.313 | 1.362 | 4.7 | .25 | 2.0 |
| %RSD | 116.8 | 25.61 | 1.139 | 2.200 | .8977 |

#1 .4935 6.281 418.3 11.37 227.9
 #2 5.180 4.355 411.6 11.73 225.0

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9.751 | -3.845 | 5740 | 919.4 |
| Stddev | .101 | .396 | .1366 | 2.1 |
| %RSD | 1.033 | 10.29 | 23.80 | .2308 |

#1 9.822 -3.565 .4774 917.9
 #2 9.680 -4.125 .6706 920.9

Check ? Value Range
 None None None None

Sample Name: 829327 Acquired: 5/22/2010 18:17:44 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 416.52 | 3853.1 | 3865.2 | 4928.1 |
| Stddev | 1.45 | 10.8 | 2.3 | 34.6 |
| %RSD | .34854 | .28144 | .05909 | .70211 |

#1 417.54 3860.8 3863.6 4903.6
 #2 415.49 3845.5 3866.9 4952.5

Sample Name: 829328 Acquired: 5/22/2010 18:21:38 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0132 | 245.6 | 3.813 | 16.41 | 39.95 |
| Stddev | .2558 | 17.4 | 2.989 | .44 | 4.60 |
| %RSD | 1937. | 7.086 | 78.37 | 2.651 | 11.50 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | .1677 | 233.3 | 5.927 | 16.10 | 43.20 |
| #2 | -.1941 | 257.9 | 1.700 | 16.72 | 36.70 |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3175 | 13060. | .9520 | -.0483 | 2.841 |
| Stddev | .3487 | 46. | 4450 | .0865 | .113 |
| %RSD | 109.8 | .3508 | 46.74 | 179.3 | 3.975 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -.5641 | 13090. | 1.267 | -.1094 | 2.921 |
| #2 | -.0710 | 13030. | 6374. | .0129 | 2.761 |

Check ?
 Value
 Range

Sample Name: 829328 Acquired: 5/22/2010 18:21:38 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 22.89 | 800.0 | 88550. | 3540. | 183.5 |
| Stddev | .44 | 1.8 | 333. | 11. | .0 |
| %RSD | 1.938 | .2236 | .3766 | .3151 | .0223 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 22.57 | 798.7 | 88790. | 3548. | 183.5 |
| #2 | 23.20 | 801.2 | 88310. | 3532. | 183.5 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 155.6 | -32.06 | .5780 | 5024. | 3.547 |
| Stddev | .8 | 22.48 | .7174 | 9. | .414 |
| %RSD | .5103 | 70.12 | 124.1 | .1870 | 11.68 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 155.0 | -47.96 | .0707 | 5017. | 3.840 |
| #2 | 156.1 | -16.17 | 1.085 | 5030. | 3.254 |

Check ?
 Value
 Range

Sample Name: 829328 Acquired: 5/22/2010 18:21:38 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.714 | .5186 | 3823. | 7.764 | 130.7 |
| Stddev | .507 | 2.686 | 16. | .834 | .2 |
| %RSD | 18.68 | 517.9 | .4114 | 10.74 | .1573 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 3.072 | -1.381 | 3812. | 7.174 | 130.9 |
| #2 | 2.355 | 2.418 | 3834. | 8.353 | 130.6 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 17.38 | -3.126 | 2.067 | 196.7 |
| Stddev | .21 | .832 | .344 | .3 |
| %RSD | 1.190 | 26.60 | 16.64 | .1655 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 17.23 | -3.714 | 2.311 | 196.5 |
| #2 | 17.53 | -2.538 | 1.824 | 197.0 |

Check ?
 Value
 Range

Sample Name: 829328 Acquired: 5/22/2010 18:21:38 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 404.66 | 3809.2 | 3806.8 | 4866.2 |
| Stddev | .09 | 13.3 | 11.2 | 38.9 |
| %RSD | .02311 | .34950 | .29290 | .79890 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 404.72 | 3799.8 | 3814.7 | 4838.7 |
| #2 | 404.59 | 3818.6 | 3798.9 | 4893.7 |

Sample Name: 829329 Acquired: 5/22/2010 18:25:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0223 | 8.092 | -1.826 | 2.337 | .1512 |
| Stddev | .6710 | 7.952 | .688 | .168 | .5159 |
| %RSD | 3004. | 98.27 | 37.66 | 7.186 | 341.2 |

| | | | | | |
|----|--------|-------|--------|-------|--------|
| #1 | -.4968 | 13.71 | -2.313 | 2.456 | .5160 |
| #2 | .4521 | 2.469 | -1.340 | 2.219 | -.2136 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0581 | 53.90 | .4110 | -.3336 | .1810 |
| Stddev | .0114 | 101.0 | .0813 | .5903 | .0423 |
| %RSD | 19.64 | 187.4 | 19.79 | 177.0 | 23.38 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | -.0500 | 125.3 | .4685 | .0838 | .1510 |
| #2 | -.0661 | -17.51 | .3535 | -.7510 | .2109 |

Check ? Value Range

Sample Name: 829329 Acquired: 5/22/2010 18:25:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3712 | 9.260 | 163.4 | 62.96 | .2718 |
| Stddev | .2884 | 1.021 | 45.2 | 8.21 | .1184 |
| %RSD | 77.68 | 11.03 | 27.66 | 13.04 | 43.56 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .5751 | 9.982 | 195.4 | 68.76 | .1881 |
| #2 | .1673 | 8.538 | 131.5 | 57.16 | .3555 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0247 | -22.24 | .2588 | 5.880 | -1.775 |
| Stddev | .4454 | 45.80 | .0984 | .988 | .876 |
| %RSD | 1804. | 205.9 | 38.00 | 16.81 | 49.35 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | -.3396 | -54.63 | .1893 | 5.181 | -1.156 |
| #2 | .2903 | 10.15 | .3284 | 6.579 | -2.394 |

Check ? Value Range

Sample Name: 829329 Acquired: 5/22/2010 18:25:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.941 | 1.097 | 20.35 | 14.73 | .0626 |
| Stddev | .014 | 1.915 | 3.65 | .06 | .0203 |
| %RSD | .2772 | 174.5 | 17.93 | .4184 | 32.44 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 4.931 | 2.451 | 22.93 | 14.68 | .0482 |
| #2 | 4.950 | -.2569 | 17.77 | 14.77 | .0770 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .0737 | -2.192 | -.5989 | .9214 |
| Stddev | .3703 | .924 | .4384 | .0759 |
| %RSD | 502.6 | 42.16 | 73.20 | 8.233 |

| | | | | |
|----|--------|--------|--------|-------|
| #1 | .3355 | -1.539 | -.2889 | .9750 |
| #2 | -.1882 | -2.846 | -.9089 | .8677 |

Check ? Value Range

Sample Name: 829329 Acquired: 5/22/2010 18:25:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 426.47 | 3832.4 | 3854.9 | 4881.1 |
| Stddev | .37 | 15.2 | 2.9 | 34.8 |
| %RSD | .08617 | .39779 | .07498 | .71375 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 426.21 | 3821.7 | 3856.9 | 4905.8 |
| #2 | 426.73 | 3843.2 | 3852.8 | 4856.5 |

Sample Name: CCV Acquired: 5/22/2010 18:29:28 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|--------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 97.79 | 30290. | 100.8 | 723.4 | 195.1 |
| Stddev | .49 | 137. | .2 | 2.5 | 3.4 |
| %RSD | .5049 | .4525 | .2348 | .3514 | 1.748 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 98.14 | 30190. | 101.0 | 721.6 | 192.7 |
| #2 | 97.44 | 30390. | 100.7 | 725.2 | 197.5 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.5 | 30060. | 98.80 | 192.0 | 198.2 |
| Stddev | .1 | 49. | .27 | .5 | .1 |
| %RSD | .0741 | .1643 | .2771 | .2350 | .0591 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 101.4 | 30030. | 98.60 | 191.7 | 198.2 |
| #2 | 101.5 | 30100. | 98.99 | 192.4 | 198.1 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCV Acquired: 5/22/2010 18:29:28 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|--------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 188.8 | 30530. | 30260. | 30440. | 192.4 |
| Stddev | 1.3 | 73. | 130. | 62. | .2 |
| %RSD | .6902 | .2398 | .4302 | .2038 | .0980 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 189.7 | 30590. | 30350. | 30400. | 192.6 |
| #2 | 187.9 | 30480. | 30170. | 30480. | 192.3 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| | | | | | |
|--------|---------------|--------------|---------------|---------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 201.0 | 30470. | 189.9 | 205.2 | 408.8 |
| Stddev | 1.2 | 63. | 1.6 | .1 | 4.3 |
| %RSD | .5978 | .2053 | .8626 | .0613 | 1.054 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 200.2 | 30430. | 191.1 | 205.2 | 405.8 |
| #2 | 201.9 | 30510. | 188.8 | 205.1 | 411.9 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCV Acquired: 5/22/2010 18:29:28 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|---------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 298.4 | 100.0 | 1022. | 195.2 | 301.6 |
| Stddev | .9 | 2.0 | 3. | .1 | 1.3 |
| %RSD | .3103 | 2.036 | .2860 | .0619 | .4463 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 297.7 | 101.5 | 1024. | 195.3 | 300.7 |
| #2 | 299.0 | 98.60 | 1020. | 195.1 | 302.6 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| | | | | |
|--------|----------------|---------------|----------------|---------------|
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 400.5 | 102.1 | 203.2 | 201.7 |
| Stddev | .4 | .8 | 1.3 | .0 |
| %RSD | .1109 | .7833 | .6617 | .0180 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 400.8 | 101.5 | 204.1 | 201.7 |
| #2 | 400.1 | 102.6 | 202.2 | 201.7 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCV Acquired: 5/22/2010 18:29:28 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 393.19 | 3750.4 | 3749.0 | 4765.5 |
| Stddev | 1.79 | 26.5 | 16.1 | 21.3 |
| %RSD | .45580 | .70616 | .43000 | .44638 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 391.92 | 3731.7 | 3737.7 | 4750.5 |
| #2 | 394.45 | 3769.1 | 3760.4 | 4780.6 |

Sample Name: CCB Acquired: 5/22/2010 18:33:18 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .5678 | -11.83 | -4800 | 1.701 | 2.260 |
| Stddev | .3697 | 22.15 | 1.607 | .117 | 1.854 |
| %RSD | 65.11 | 187.3 | 334.8 | 6.868 | 82.07 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | .3064 | 3.838 | .6563 | 1.784 | 3.571 |
| #2 | .8292 | -27.49 | -1.616 | 1.619 | .9483 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0785 | -30.99 | .3241 | -.3757 | .1578 |
| Stddev | .2368 | 107.1 | .0775 | .0447 | .0858 |
| %RSD | 301.5 | 345.6 | 23.92 | 11.90 | 54.36 |

| | | | | | |
|----|--------|--------|-------|--------|-------|
| #1 | .0889 | 44.75 | .3789 | -.3440 | .0971 |
| #2 | -.2460 | -106.7 | .2693 | -.4073 | .2184 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/22/2010 18:33:18 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4190 | -.3827 | 27.80 | 44.08 | .0246 |
| Stddev | .0479 | 6.264 | 17.94 | 25.40 | .0023 |
| %RSD | 11.44 | 1637. | 64.52 | 57.63 | 9.423 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.4529 | -4.812 | 15.12 | 26.12 | .0262 |
| #2 | -.3851 | 4.047 | 40.49 | 62.04 | .0230 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4166 | -46.92 | -.3195 | -2.865 | .1372 |
| Stddev | .1062 | 27.08 | .3645 | .916 | .2956 |
| %RSD | 25.49 | 57.72 | 114.1 | 31.99 | 215.4 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | .3415 | -27.77 | -.5772 | -3.513 | -.0718 |
| #2 | .4917 | -66.07 | -.0618 | -2.217 | .3463 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/22/2010 18:33:18 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .9112 | 1.516 | -.0266 | -.6042 | -.0299 |
| Stddev | .4120 | 3.518 | 3.182 | .8776 | .0171 |
| %RSD | 45.21 | 232.1 | 11960. | 145.2 | 57.33 |

| | | | | | |
|----|-------|--------|--------|--------|--------|
| #1 | 1.203 | -.9715 | 2.224 | .0163 | -.0178 |
| #2 | .6199 | 4.003 | -2.277 | -1.225 | -.0420 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.2506 | -.3853 | -.6537 | -.0433 |
| Stddev | .5577 | .3497 | .6462 | .0612 |
| %RSD | 222.6 | 90.76 | 98.85 | 141.3 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | -.6449 | -.6325 | -.1968 | .0000 |
| #2 | .1438 | -.1380 | -1.111 | -.0866 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCB Acquired: 5/22/2010 18:33:18 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 424.52 | 3819.4 | 3832.1 | 4799.3 |
| Stddev | 3.23 | 13.0 | 15.5 | 37.8 |
| %RSD | .76057 | .34166 | .40497 | .78809 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 422.23 | 3810.2 | 3821.1 | 4826.1 |
| #2 | 426.80 | 3828.7 | 3843.1 | 4772.6 |



Sample Preparation – Metals

5/12/10

20

137213

METALS DIGESTION LOG

| Batch Information: | | | | Method Information: | | | | Reagent & Standard Traceability: | | | | | | | |
|--------------------|-----------|-------------------------------|--------------|---------------------|------------------|---|-----------------|----------------------------------|---|----------------------------------|-----|--------|--|--|--|
| Date: | 5/19/10 | Digestion Method(s): | ILM04.1 | ILM05.4 | HCl Tag ID: | MEHCLAD-00004 | 10 mL | LCS Lot # | ME5PIKE#1-00003, ME5PIKE#2-00003, ME5PIKE#4-00003 | | | | | | |
| Start Time: | 11:00 | 3005AES | 3005MS | 3010AES | 3010MS | HNO ₃ Tag ID: | MEHNO3-00009 | 5 mL | Spike Added | 1.0 | 1.0 | 5.0 mL | | | |
| Stop Time: | 14:15 | 3050AES | 3050MS | 200.7 | 200.8 DW | 1:1 HCl Lot # | N/A | mL | True Value | | | | | | |
| Analyst: | ALB | TIMS | CEC | SAR | | 1:1 HNO ₃ Lot # | ME11HNO3-00004 | 10 mL | MS Lot # | ME5PIKE#1-00003, ME5PIKE#2-00003 | | | | | |
| Spike Analyst: | ALB | Matrix: | Water | Soil | Air | 30% H ₂ O ₂ Lot # | MEH2O2-00003 | 3+2 mL | Spike Added | 1.0 | 1.0 | 1.0 mL | | | |
| Spike Witness: | MN7 | | | | | 2% HNO ₃ Lot # | N/A | mL | True Value | | | | | | |
| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Color | Before Digestion | | After Digestion | | Comments | | | | | | |
| | | | | | Clarity | Texture | Artifacts | Color | Clarity | | | | | | |
| PBS051910B | | 1.00 | 100 | | | | | | | | | | | | |
| LSS051910B | | 1.00 | | | | | | | | | | | | | |
| 829309 | A1 | 1.08 | | Green | | coarse | grass | lt yellow | clear | | | | | | |
| 829309MS | | 1.07 | | ↓ | | | ↓ | | | | | | | | |
| 829309DP | | 1.11 | | Brown | | | twigs | | | | | | | | |
| 829310 | | 1.24 | | ↓ | | | roots | | | | | | | | |
| 829311 | | 1.18 | | ↓ | | | grass | | | | | | | | |
| 829312 | | 1.11 | | Green | | | roots | | | | | | | | |
| 829313 | | 1.28 | | lt Brown | | | grass | | | | | | | | |
| 829314 | | 1.21 | | Green | | | roots | | | | | | | | |
| 829315 | | 1.11 | | lt Brown | | | roots | | | | | | | | |
| 829316 | | 1.11 | | Brown | | | twigs | | | | | | | | |
| 829317 | | 1.21 | | ↓ | | | ↓ | | | | | | | | |
| 829318 | | 1.28 | | lt Brown | | | roots | | | | | | | | |
| 829319 | | 1.19 | | ↓ | | | ↓ | | | | | | | | |
| 829320 | | 1.09 | | Green | | | grass | | | | | | | | |
| 829321 | | 1.14 | | lt Brown | | | roots | | | | | | | | |
| 829322 | | 1.15 | | Green | | | grass | | | | | | | | |
| 829323 | | 1.60 | | lt Brown | | | roots | | | | | | | | |
| 829324 | | 1.15 | | Green | | | grass | | | | | | | | |
| 829325 | | 1.23 | | lt Brown | | | roots | | | | | | | | |
| 829326 | | 1.20 | | ↓ | | | ↓ | | | | | | | | |
| 829327 | | 1.16 | | Green | | | twigs | | | | | | | | |
| 829328 | | 1.25 | | ↓ | | | grass | | | | | | | | |

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature: Block 1 °C Block 2 °C Block 3 °C Block 4 °C Block 5 °C Block 6 °C Block 7 °C Block 8 °C

BR-FME002:04.02.08:7

TestAmerica

Page 9 of 100



METALS DIGESTION LOG

[illegible]

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL).

Digestion Temperature:

| | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|
| Block 1 | ____ °C | Block 3 | ____ °C | Block 5 | ____ °C | Block 7 | ____ °C |
| Block 2 | ____ °C | Block 4 | ____ °C | Block 6 | ____ °C | Block 8 | ____ °C |

BR-FME002:04.02.08:7

TestAmerica

Page 10 of 100

| STANDARD TRACEABILITY RECORDS ICP-OES Instrument | | |
|---|--------------------|--|
| Date: 5/22/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 052210-01 | IFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052210-02A | IFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | Lot Number | |
| Used for all methods | | |
| STD 7: | MESTD7W 00012 | |
| STD 8: | MESTD8W 00008 | |
| STD 4: | MESTD4W 00012 | |
| ICV: | MEICVW 00005 | |
| CCV: | MECCVW 00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME5%2%AINSEW 00015 | |
| Internal Standard Solution: | MEICP7ISW 00007 | |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | ME6010ICSAW 00008 | |
| ICSAB 6010: | ME6010ICSABW 00001 | |
| CRI 6010: | ME6010CAIW 00006 | |
| DOD LRV Solution: | | |
| 6010 Post Spiking Solution: | MESPIKE #1W 00008 | |
| 5 PPM AG: | | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | | |
| ICSA ILM05.4: | | |
| ICSAB ILM05.4: | | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |



Sample Handling



DO NOT LIFT USING THIS TAG

| | | | |
|------------------------------------|-----------------------------|---------------------------------|--|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number () | |
| Company | Door / Floor / Suite / Room | | |
| Street Address (1) | | | |
| City | | | |

FedEx 0006 OF 0006
MPS# 0260 8716 0065 9992
Mstr# 8675 7103 9650 0215

XH BTVA

Emp# 580578 03MAY10 APAA

© 2004 FedEx 149849 RE

TUE - 04 MAY AA
PRIORITY OVERNIGHT

05403
VT-US
BTV



DO NOT LIFT USING THIS TAG

| | | | |
|------------------------------------|---------------------|---------------------------------|--|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number () | |
| Company | Door / Suite / Room | | |
| Street | Codes | | |
| City | | | |

FedEx 0005 OF 0006
MPS# 0260 8716 0066 0003
Mstr# 8675 7103 9650 0215

XH BTVA

Emp# 580578 03MAY10 APAA

© 2004 Fed

TUE - 04 MAY AA
PRIORITY OVERNIGHT

05403
VT-US
BTV



TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

| | | |
|--|--------------------------------|----------------------------------|
| Client: <u>URS COD</u> | Date Received: <u>05/04/10</u> | Log In Date: <u>05/06/10</u> |
| ETR: <u>137213</u> | Time Received: <u>10:15</u> | By: <u>[Signature]</u> |
| SDG: <u>137213</u> | Received By: <u>VP</u> | Signature: <u>[Signature]</u> |
| Project: <u>290040</u> | # Coolers Received: <u>6</u> | PM Signature: <u>[Signature]</u> |
| Samples Delivered By: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify) | | Date: <u>5/10/10</u> |
| List Air bill Number(s) or Attach a photocopy of the Air Bill: | | |

| COOLER SCREEN | YES | NO | NA | COMMENTS |
|---|-------------------------------------|-------------------------------------|--------------------------|----------|
| There is <u>no</u> evidence to indicate tampering | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Custody seals are present and intact | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Custody seal numbers are present | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| If yes, list custody seal numbers: | | | | |

| | | | | |
|---|---------------------------------------|---------------|---------------|--|
| Thermal Preservation Type: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other (specify) | | | | |
| IR Gun ID: <u>96</u> | Correction Factor (CF) = <u>-2</u> °C | | | |
| Cooler 1: <u>2.0</u> °C | Cooler 6: <u>4.3</u> °C | Cooler 11: °C | Cooler 16: °C | |
| Cooler 2: <u>2.2</u> °C | Cooler 7: °C | Cooler 12: °C | Cooler 17: °C | |
| Cooler 3: <u>4.2</u> °C | Cooler 8: °C | Cooler 13: °C | Cooler 18: °C | |
| Cooler 4: <u>0.6</u> °C | Cooler 9: °C | Cooler 14: °C | Cooler 19: °C | |
| Cooler 5: <u>2.8</u> °C | Cooler 10: °C | Cooler 15: °C | Cooler 20: °C | |

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun
 EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.
 Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

| SAMPLE CONDITION | YES | NO | NA | COMMENTS |
|---|-------------------------------------|--------------------------|--------------------------|----------|
| Sample containers were received intact | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Legible sample labels are affixed to each container | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| CHAIN OF CUSTODY (COC) | YES | NO | NA | COMMENTS |
|---|-------------------------------------|-------------------------------------|-------------------------------------|----------|
| COC is present and includes the following information for each container: | | | | |
| • Sample ID / Sample Description | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Date of Sample Collection | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Time of Sample Collection | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Identification of the Sampler | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Preservation Type | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| • Requested Tests Method(s) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Necessary Signatures | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Internal Chain of Custody (ICOC) Required | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |

If yes to above, ICOC Record initiated for every Worksheet

| SAMPLE INTEGRITY / USABILITY | YES | NO | NA | COMMENTS |
|---|-------------------------------------|--------------------------|-------------------------------------|----------|
| The sample container matches the COC | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Appropriate sample containers were received for the tests requested | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Samples were received within holding time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Sufficient amount of sample is provided for requested analyses | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| VOA vials do not have headspace or a bubble >6mm (1/4" diameter) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Appropriate preservatives were used for the tests requested | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| pH of inorganic samples checked and is within method specification | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If no, attach Inorganic Sample pH Adjustment Form | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

ANOMALY / NCR SUMMARY

All volumes for this login received in 2 of 6 cooler at 2.2°C and 4.3°C, copies of airbills attached.

QC IDs tracked by PM, all bypasses removed due to high.

TestAmerica
South Burlington, VT
Extended Data Package

137214

TestAmerica Laboratories, Inc.

May 25, 2010

Mr. Sheri O'Conner
URS Corporation
1099 18TH Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: CMI; SDG: 137214

Dear Mr. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 4th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/04/10 ETR No: 137214 | | | |
| 829330 | CVR3TR12T02NPLTGBW | 05/02/10 | TISSUE |
| 829330DP | CVR3TR12T02NPLTGBWREP | 05/02/10 | TISSUE |
| 829330MD | CVR3TR12T02NPLTGBWMSD | 05/02/10 | TISSUE |
| 829331 | CVR2TR3-3-T02N-PLTGBW | 04/29/10 | TISSUE |
| 829332 | CVR3TR3-3-T04N-PLTSAW | 04/29/10 | TISSUE |
| 829333 | CVR3TR3-3-T04N-PLTSBW | 04/29/10 | TISSUE |
| 829334 | EQBLK01 | | TISSUE |

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B: Plant Tissue

These sample volumes were homogenized prior to analysis via 6010B. There were no QC related anomalies encountered during the analysis of these samples.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.



If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read "Joseph Carabillo", written in a cursive style.

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|---|-----------|
| Chain of Custody | 2 |
| Sample Report Summary Wet Chemistry | 6 |
| Supportive Documentation Wet Chemistry | 12 |
| Sample Report Summary Metals | 15 |
| QC Summary Metals | 22 |
| Supportive Documentation Metals | 43 |
| Sample Preparation Metals | 80 |
| Sample Handling | 84 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody

| Project Name | | Project Number | | ANALYSIS REQUESTED (Include Method Number and Container Preservative) | | | | | | | | | | | | PRESERVATIVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|------------------------|--|---|--|---------------|--|------|--|--------|--|--|--|-------------------|--|---|--|------|--|------|--|-------|--|---|--|-------|--|------------|--|------|--|------------|--|------------|--|---|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--------------|--|--|--|--|--|--|--|--|--|--|--|
| CMI Soil + Vegetation | | 33241609.02000 | | | | | | | | | | | | | | 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. 4°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager | | Report CC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company/Address | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3181 E Tufts Ave | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Denver, CO 80237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone # | | FAX # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (303) 332-5297 | | (303) 694-3946 (URS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler's Signature | | Sampler's Printed Name | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liz Best | | Liz Best | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD SAMPLE ID | | | | FOR LAB USE ONLY | | SAMPLING DATE | | TIME | | MATRIX | | Total Number of Containers | | Total Metals moiy | | Inorganic Suite (see notes) | | VOCs | | BTEX | | TPH-G | | TPH-D | | SVOCs | | Pesticides | | PCBs | | Explosives | | PCDD/PCDFs | | Herbicide | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-1-T02N-PLTGAW | | | | | | 04/28/10 | | 1610 | | O | | 1 | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-1-T02N-PLTGAW | | | | | | 04/28/10 | | 1630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-2-T02N-PLTGAW | | | | | | 04/28/10 | | 1645 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-2-T02N-PLTGAW | | | | | | 04/28/10 | | 1645 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-2-T04N-PLTSAW | | | | | | 04/28/10 | | 1700 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-2-T04N-PLTSAW | | | | | | 04/28/10 | | 1700 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-3-T02N-PLTGAW | | | | | | 04/29/10 | | 0715 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-3-T02N-PLTGAW | | | | | | 04/29/10 | | 0730 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL INSTRUCTIONS/COMMENTS | | | | | | | | | | | | TURNAROUND REQUIREMENTS | | | | | | | | | | | | REPORT REQUIREMENTS | | | | | | | | | | | | INVOICE INFORMATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inorganic suite includes: | | | | | | | | | | | | Matrix Key: W = Water S = Soil/Sediment B = Biota O = Other veg. | | | | | | | | | | | | I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No per work order | | | | | | | | | | | | BILL TO: Sheri O'Connor SUBMISSION #: POLI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| URS Contact: Sheri O'Connor@urscorp.com | | | | | | | | | | | | Container Key: P = Plastic G = Glass C = Clear A = Amber V = Vial Z = Ziploc bag M = Multiple types | | | | | | | | | | | | REQUESTED FAX DATE REQUESTED REPORT DATE | | | | | | | | | | | | Edata Yes No per work order | | | | | | | | | | | | BILL TO: Sheri O'Connor SUBMISSION #: POLI | | | | | | | | | | | | | | | | | | | | | | | |
| See SOW <input checked="" type="checkbox"/> | | | | | | | | | | | | See QAPP <input type="checkbox"/> | | | | | | | | | | | | CUSTODY SEALS Y N | | | | | | | | | | | | RECEIVED BY | | | | | | | | | | | | RELINQUISHED BY | | | | | | | | | | | | RECEIVED BY | | | | | | | | | | | |
| Signature | | | | | | | | | | | | Signature | | | | | | | | | | | | Signature | | | | | | | | | | | | Signature | | | | | | | | | | | | Signature | | | | | | | | | | | | Signature | | | | | | | | | | | |
| Printed Name | | | | | | | | | | | | Printed Name | | | | | | | | | | | | Printed Name | | | | | | | | | | | | Printed Name | | | | | | | | | | | | Printed Name | | | | | | | | | | | | Printed Name | | | | | | | | | | | |
| Firm | | | | | | | | | | | | Firm | | | | | | | | | | | | Firm | | | | | | | | | | | | Firm | | | | | | | | | | | | Firm | | | | | | | | | | | | Firm | | | | | | | | | | | |
| Date/Time | | | | | | | | | | | | Date/Time | | | | | | | | | | | | Date/Time | | | | | | | | | | | | Date/Time | | | | | | | | | | | | Date/Time | | | | | | | | | | | | Date/Time | | | | | | | | | | | |
| 05/03/10 1500 | | | | | | | | | | | | 05/04/10 1015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

 COPY - ORIGINAL IN FILE
 SDG # 137213

Pink - sample management

White and Yellow to lab

W:\General\Chemistry\COC Forms\URS General.doc 11/20/06 11:32 AM



Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR12T02NPLTGBW

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137214

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829330

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 30.8

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 30.8 | |

Printed on: 05/21/10 09:00 AM

Client Sample No.
CVR3TR12T02NPLTGBW

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR2TR3-3-T02N-PLTGB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137214

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829331

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 32.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 32.5 | |

Printed on: 05/21/10 09:01 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-3-T04N-PLTSA

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137214

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829332

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 39.5

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 39.5 | |

Printed on: 05/21/10 09:01 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

CVR3TR3-3-T04N-PLTSB

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137214

Lab Code: TALVT

Case No.: CMI

Lab Sample ID: 829333

Matrix: TISSUE

Client: URSCOD

Date Received: 05/04/10

% Solids: 35.4

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 05/20/10 | | % | 1 | 0.10 | 35.4 | |

Printed on: 05/21/10 09:01 AM



Supportive Documentation – Wet Chemistry



Wet Chemistry Raw Data

Solids, Percent

Percent Solids Determination

| | | | | | | |
|-------------------------------------|---------|--------------------|---------------------------------------|---------------------------------------|-----------------------|-------------------------|
| Analysis Start Date: 5/20/2010 | | Oven ID: 2 | | Analysis End Date: 5/21/2010 | | |
| Analysis Start Time: 19:00 | | Time In: 20:00 | | Analysis End Time: 8:10 | | |
| Start Analyst: MNT | | Time Out: 8:45 | | End Analyst: MNT | | |
| Start Analyst Signature: <i>MNT</i> | | | | End Analyst Signature: <i>MNT</i> | | |
| | | | | | | |
| LAB ID | Dish ID | Dish Weight (g) | Weight of Dish + Wet Sample (g) | Weight of Dish + Dry Sample (g) | Percent Solids (%) | Percent Moisture (%) |
| 829287 | 1 | 1.02 | 4.61 | 2.13 | 30.9 | 69 |
| 829287DP | 2 | 0.98 | 5.01 | 2.26 | 31.8 | 68 |
| 829288 | 3 | 1.02 | 5.38 | 2.17 | 26.4 | 74 |
| 829289 | 4 | 1.00 | 5.09 | 2.32 | 32.3 | 68 |
| 829290 | 5 | 1.00 | 4.95 | 2.31 | 33.2 | 67 |
| 829291 | 6 | 0.99 | 3.51 | 1.85 | 34.1 | 66 |
| 829292 | 7 | 1.01 | 4.43 | 2.08 | 31.3 | 69 |
| 829293 | 8 | 1.01 | 4.05 | 1.95 | 30.9 | 69 |
| 829294 | 9 | 0.96 | 4.35 | 2.08 | 33.0 | 67 |
| 829295 | 10 | 1.00 | 4.65 | 1.55 | 15.1 | 85 |
| 829296 | 11 | 0.99 | 3.81 | 1.41 | 14.9 | 85 |
| 829297 | 12 | 0.98 | 3.57 | 1.89 | 35.1 | 65 |
| 829298 | 13 | 1.00 | 4.65 | 2.07 | 29.3 | 71 |
| 829299 | 14 | 1.00 | 3.98 | 1.68 | 22.8 | 77 |
| 829300 | 15 | 0.98 | 4.59 | 2.19 | 33.5 | 67 |
| 829301 | 16 | 0.99 | 3.12 | 1.80 | 38.0 | 62 |
| 829302 | 17 | 0.97 | 3.36 | 1.78 | 33.9 | 66 |
| 829303 | 18 | 1.00 | 4.66 | 1.77 | 21.0 | 79 |
| 829304 | 19 | 1.00 | 5.45 | 1.89 | 20.0 | 80 |
| 829305 | 20 | 0.99 | 4.34 | 2.12 | 33.7 | 66 |
| 829306 | 21 | 1.00 | 4.88 | 2.35 | 34.8 | 65 |
| 829330 | 22 | 1.01 | 3.02 | 1.63 | 30.8 | 69 |
| 829330DP | 23 | 0.98 | 3.48 | 1.71 | 29.2 | 71 |
| 829331 | 24 | 0.99 | 3.51 | 1.81 | 32.5 | 68 |
| 829332 | 25 | 1.00 | 4.47 | 2.37 | 39.5 | 61 |
| 829333 | 26 | 0.98 | 3.89 | 2.01 | 35.4 | 65 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Calculation: Percent Wet Weight =
$$\frac{\text{Weight of Dry Sample (g)}}{\text{Weight of Wet Sample (g)}} \times 100$$

Where:

Weight of Dry Sample = (Weight of Dish + Dry Sample) (g) - Dish Weight (g)

Weight of Wet Sample = (Weight of Dish + Wet Sample) (g) - Dish Weight (g)



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214

SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|------------------------------|-----------------|
| <u>CVR2TR3-3-T02N-PLTGBW</u> | <u>829331</u> |
| <u>CVR3TR12T02NPLTGBW</u> | <u>829330</u> |
| <u>CVR3TR12T02NPLTGBWD</u> | <u>829330DP</u> |
| <u>CVR3TR12T02NPLTGBWS</u> | <u>829330MS</u> |
| <u>CVR3TR3-3-T04N-PLTSAW</u> | <u>829332</u> |
| <u>CVR3TR3-3-T04N-PLTSBW</u> | <u>829333</u> |
| <u>EQBLK01</u> | <u>829334</u> |

Were ICP interelement corrections applied? Yes/No YESWere ICP background corrections applied? Yes/No YESIf yes-were raw data generated before application of background corrections? Yes/No NOComments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

COVER PAGE - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR2TR3-3-T02N-PLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214
Matrix (soil/water): TISSUE Lab Sample ID: 829331
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 32.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 29.1 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TRI2T02NPLTGBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214
Matrix (soil/water): TISSUE Lab Sample ID: 829330
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 30.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 19.1 | | | P |

Color Before: light brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-3-T04N-PLTSAW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214
Matrix (soil/water): TISSUE Lab Sample ID: 829332
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 39.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 60.5 | | | P |

Color Before: green Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: twigs

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CVR3TR3-3-T04N-PLTSBW

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214
Matrix (soil/water): TISSUE Lab Sample ID: 829333
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 35.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 127 | | | P |

Color Before: brown Clarity Before: _____ Texture: coarse
Color After: light yellow Clarity After: clear Artifacts: roots

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

EQBLK01

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214
Matrix (soil/water): TISSUE Lab Sample ID: 829334
Level (low/med): LOW Date Received: 5/4/2010
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 0.047 | U | | P |

Color Before: colorless Clarity Before: clear Texture: _____
Color After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN



QC Summary – Metals

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137214
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 518.20 | 103.6 | 200.0 | 200.30 | 100.2 | 198.80 | 99.4 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137214
Initial Calibration Source: Inorganic Ventures/Fisher
Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|-------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 197.20 | 98.6 | | | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|------------|------|-------|----|-----------------------|------------------|---------------|----------------|-------------|
| | True | Found | %R | Initial True | Initial Found | Initial %R | Final Found | Final %R |
| Molybdenum | | | | 10.0 | 13.65 | 136.5 | | |

Control Limits: no limits have been established by EPA at this time

Form IIB-IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214Preparation Blank Matrix (soil/water): SOLIDPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | |
|------------|--------------------------------------|--|-----|---|-----|---|-------|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| | | C | C | C | C | C | C | C | M |
| Molybdenum | 2.1 | B | 1.0 | B | 0.7 | B | 0.6 | B | |
| | | | | | | | 0.047 | U | P |

Form III - IN

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214ICP ID Number: TJA ICAP 7 ICS Source: Inorganic VenturesConcentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|-------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | 0 | 992.5 | 100.7 | | | |

Form IV - IN

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR3TR12T02NPLTGBWS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 30.8Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|---------------------|------|---|---|
| Molybdenum | 80 - 120 | 152.0045 | | 19.1134 | | 141.16 | 94.1 | | P |

Comments:

Form V (PART 1) - IN

USEPA-CLP FORMS

5B

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

CVR3TR12T02NPLTGBWA

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214Matrix (soil/water): TISSUE Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added(SA) | %R | Q | M |
|------------|---------------------|---------------------------------|-------------------------|--------------------|------|---|---|
| Molybdenum | | 545.90 | 62.99 | 500.0 | 96.6 | | P |

Comments: _____

Form V (PART 2) - IN

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

CVR3TR12T02NPLTGBWD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214Matrix (soil/water): TISSUE Level (low/med): LOW% Solids for Sample: 30.8 % Solids for Duplicate: 29.2Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|------------|------------------|------------|---|---------------|---|-----|---|---|
| Molybdenum | | 19.1134 | | 20.7669 | | 8.3 | | P |

Form VI - IN

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137214Solid LCS Source: Inorganic VenturesAqueous LCS Source:

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | |
|------------|----------------|-------|----|---------------|-------|---|-------------|------|
| | True | Found | %R | True | Found | C | Limits | %R |
| Molybdenum | | | | 50.0 | 49.3 | | 40.0 60.0 | 98.6 |

Form VII - IN

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

CVR3TR12T02NPLTGBWL

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: CMIS&V

SAS No.: _____

SDG No.: 137214Matrix (soil/water): TISSUE

Level (low/med): _____

LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) C | Serial Dilution Result (S) C | % Differ- ence | Q | M |
|------------|-----------------------------------|------------------------------------|-------------------|---|---|
| Molybdenum | 62.99 | 63.13 | 0.2 | | P |

Form IX - IN

USEPA-CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|-----------|---------------------|-------------|----------------|---------------|---|
| Molybdenu | 202.030 | | 10 | 0.47 | P |

Comments: _____

Form X - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137214ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 1) - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

Form XI (PART 2) - IN

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments: _____

Form XII - IN

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214Method: P

| EPA Sample No. | Preparation Date | Initial Volume mL | Volume (mL) |
|----------------------|---------------------|----------------------|----------------|
| CVR2TR3-3-T02N-PLTGB | 5/20/2010 | 1.17 | 100.0 |
| CVR3TR12T02NPLTGBW | 5/20/2010 | 1.07 | 100.0 |
| CVR3TR12T02NPLTGBWD | 5/20/2010 | 1.05 | 100.0 |
| CVR3TR12T02NPLTGBWS | 5/20/2010 | 1.15 | 100.0 |
| CVR3TR3-3-T04N-PLTSA | 5/20/2010 | 1.08 | 100.0 |
| CVR3TR3-3-T04N-PLTSB | 5/20/2010 | 1.10 | 100.0 |
| EQBLK01 | 5/20/2010 | 1.00 | 100.0 |
| LCSS052010A | 5/20/2010 | 1.00 | 100.0 |
| PBS052010A | 5/20/2010 | 1.00 | 100.0 |

Form XIII - IN

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/21/2010 End Date: 5/21/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--|--|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K I | S E | A G | N A | T L | V | Z N | C N | | |
| S0 | 1.00 | 1317 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD7 | 1.00 | 1321 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 1324 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 1328 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICV | 1.00 | 1332 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICB | 1.00 | 1336 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSA | 1.00 | 1340 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ICSAB | 1.00 | 1344 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CRI | 1.00 | 1348 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1352 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1355 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PBS052010A | 1.00 | 1359 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LCSS052010A | 1.00 | 1403 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR12T02NPLTGBW | 1.00 | 1407 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR12T02NPLTGBWL | 5.00 | 1411 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR12T02NPLTGBWA | 1.00 | 1415 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR12T02NPLTGBWS | 1.00 | 1419 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR12T02NPLTGBWD | 1.00 | 1423 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR2TR3-3-T02N-PLTG | 1.00 | 1427 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-3-T04N-PLTS | 1.00 | 1431 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVR3TR3-3-T04N-PLTS | 1.00 | 1434 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1438 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1442 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EQBLK01 | 1.00 | 1446 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1450 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1454 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1458 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1502 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 1506 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1510 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1514 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1518 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCB | 1.00 | 1522 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137214
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/21/2010 End Date: 5/21/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | | | | B | A | L | M | O | P | P | P | S | S | SN | S | T | U | W | I |
| S0 | 1.00 | 13:17 | | | | | X | | | | | | | | | | | | |
| STD7 | 1.00 | 13:21 | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 13:24 | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 13:28 | | | | | X | | | | | | | | | | | | |
| ICV | 1.00 | 13:32 | | | | | X | | | | | | | | | | | | |
| ICB | 1.00 | 13:36 | | | | | X | | | | | | | | | | | | |
| ICSA | 1.00 | 13:40 | | | | | X | | | | | | | | | | | | |
| ICSAB | 1.00 | 13:44 | | | | | X | | | | | | | | | | | | |
| CRI | 1.00 | 13:48 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 13:52 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 13:55 | | | | | X | | | | | | | | | | | | |
| PBS052010A | 1.00 | 13:59 | | | | | X | | | | | | | | | | | | |
| LCSS052010A | 1.00 | 14:03 | | | | | X | | | | | | | | | | | | |
| CVR3TR12T02NPLTGBW | 1.00 | 14:07 | | | | | X | | | | | | | | | | | | |
| CVR3TR12T02NPLTGBW | 5.00 | 14:11 | | | | | X | | | | | | | | | | | | |
| CVR3TR12T02NPLTGBW | 1.00 | 14:15 | | | | | X | | | | | | | | | | | | |
| CVR3TR12T02NPLTGBW | 1.00 | 14:19 | | | | | X | | | | | | | | | | | | |
| CVR3TR12T02NPLTGBW | 1.00 | 14:23 | | | | | X | | | | | | | | | | | | |
| CVR2TR3-3-T02N-PLT | 1.00 | 14:27 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-3-T04N-PLT | 1.00 | 14:31 | | | | | X | | | | | | | | | | | | |
| CVR3TR3-3-T04N-PLT | 1.00 | 14:34 | | | | | X | | | | | | | | | | | | |
| CCV | 1.00 | 14:38 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 14:42 | | | | | X | | | | | | | | | | | | |
| EQBLK01 | 1.00 | 14:46 | | | | | X | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 14:50 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 14:54 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 14:58 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 15:02 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 15:06 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 15:10 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 15:14 | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 15:18 | | | | | X | | | | | | | | | | | | |
| CCB | 1.00 | 15:22 | | | | | X | | | | | | | | | | | | |

Form XIV - IN



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: TFS

Date: 5/21/2010

Reviewed by: *[Signature]*

Date: 5/21/10

QC Review by: *[Signature]*

Date: 05/24/10

TJA ICAP 7

ICP METALS 6010 **B**

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis | | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----------------|-----------|----------|----|--------|---------------|------------|------------------|
| | Date | Time | | | | | |
| 1. CalibStd-Blk | 5/21/2010 | 13:17:13 | 1 | WATER | 052110-02.txt | | + Mo |
| 2. STD7 | 5/21/2010 | 13:21:06 | 1 | WATER | 052110-02.txt | | |
| 3. STD8 | 5/21/2010 | 13:24:57 | 1 | WATER | 052110-02.txt | | |
| 4. STD4 | 5/21/2010 | 13:28:55 | 1 | WATER | 052110-02.txt | | |
| 5. ICV1 | 5/21/2010 | 13:32:54 | 1 | WATER | 052110-02.txt | | |
| 6. ICB1 | 5/21/2010 | 13:36:49 | 1 | WATER | 052110-02.txt | | |
| 7. ICSA1 | 5/21/2010 | 13:40:45 | 1 | WATER | 052110-02.txt | | |
| 8. ICSAB1 | 5/21/2010 | 13:44:33 | 1 | WATER | 052110-02.txt | | |
| 9. CRI1 | 5/21/2010 | 13:48:19 | 1 | WATER | 052110-02.txt | | |
| 10. CCV1 | 5/21/2010 | 13:52:10 | 1 | WATER | 052110-02.txt | | |
| 11. CCB1 | 5/21/2010 | 13:55:59 | 1 | WATER | 052110-02.txt | | |
| 12. PBS052010A | 5/21/2010 | 13:59:52 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 13. LCSS052010A | 5/21/2010 | 14:03:47 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 14. 829330 | 5/21/2010 | 14:07:40 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 15. 829330L | 5/21/2010 | 14:11:38 | 5 | WATER | 052110-02.txt | PBICPS0520 | |
| 16. 829330A | 5/21/2010 | 14:15:31 | 1 | WATER | 052110-02.txt | PBICPS0520 | |
| 17. 829330MS | 5/21/2010 | 14:19:25 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 18. 829330DP | 5/21/2010 | 14:23:20 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 19. 829331 | 5/21/2010 | 14:27:10 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 20. 829332 | 5/21/2010 | 14:31:01 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 21. 829333 | 5/21/2010 | 14:34:58 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 22. CCV2 | 5/21/2010 | 14:38:51 | 1 | WATER | 052110-02.txt | | |
| 23. CCB2 | 5/21/2010 | 14:42:40 | 1 | WATER | 052110-02.txt | | |
| 24. 829334 | 5/21/2010 | 14:46:33 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 25. 829620 | 5/21/2010 | 14:50:28 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 26. 829621 | 5/21/2010 | 14:54:29 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 27. 829622 | 5/21/2010 | 14:58:30 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 28. 829623 | 5/21/2010 | 15:02:30 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 29. 829623L | 5/21/2010 | 15:06:33 | 5 | WATER | 052110-02.txt | PBICPS0520 | |
| 30. 829623MS | 5/21/2010 | 15:10:25 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 31. 829623DP | 5/21/2010 | 15:14:25 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 32. CCV3 | 5/21/2010 | 15:18:26 | 1 | WATER | 052110-02.txt | | |
| 33. CCB3 | 5/21/2010 | 15:22:16 | 1 | WATER | 052110-02.txt | | |

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7
ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|---------|---------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 227.30 | 0.0000 | | | | |
| STD4 | 1 | | 0.881 | 0.000 | 0.000 | 0.65 | 0.88 | | | | |
| ICV1 | 1 | PASS | 518.200 | 518.100 | 518.200 | 0.01 | 518.20 | 103.6 ✓ | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 2.122 * | 2.580 | 1.664 | 30.50 | 2.1 | ✓ | | | +/-10.00 |
| ICSA1 | 1 | PASS | -0.101 | 0.014 | -0.217 | 161.30 | -0.10 | ✓ | | -30 | 30 |
| ICSAB1 | 1 | PASS | 992.500 | 988.900 | 996.000 | 0.50 | 992 | 100.6 ✓ | 986 | 80 | 120 |
| CRI1 | 1 | PASS | 13.650 | 14.050 | 13.260 | 4.11 | 13.65 | 136.5 ✓ | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 200.300 | 199.900 | 200.700 | 0.28 | 200.30 | 100.2 ✓ | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 1.024 * | 1.221 | 0.828 | 27.17 | 1.0 | ✓ | | | +/-10.00 |
| CCV2 | 1 | PASS | 198.800 | 198.200 | 199.400 | 0.44 | 198.80 | 99.4 ✓ | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.675 * | 1.083 | 0.268 | 85.39 | 0.7 | ✓ | | | +/-10.00 |
| CCV3 | 1 | PASS | 197.200 | 196.400 | 198.000 | 0.58 | 197.20 | 98.6 ✓ | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.627 * | 1.291 | -0.036 | 149.60 | 0.6 | ✓ | | | +/-10.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | 0.319 ✓ | 0.532 | 0.107 | 94.15 | 0.032 | | | | +/-10.00 |
| LCSS052010A | 1 | PASS | 493.200 ✓ | 492.800 | 493.600 | 0.11 | 49.3 | 98.6 ✓ | 50.0 | 40.0 | 60.0 |
| 829330 | 1 | PASS | 62.990 ✓ | 63.370 | 62.620 | 0.84 | 5.9 | | | | |
| 829330L | 5 | FAIL | 63.130 ✓ | 64.170 | 62.090 | 2.33 | 315.65 | | | | |
| 829330A | 1 | PASS | 545.900 | 545.800 | 546.000 | 0.03 | 545.90 | 96.6 ✓ | 500.0 | 80 | 120 |
| 829330MS | 1 | PASS | 538.400 | 537.800 | 539.000 | 0.16 | 46.8174 | 94.1 ✓ | 43.48 | 80 | 120 |
| 829330DP | 1 | PASS | 67.160 ✓ | 66.730 | 67.590 | 0.90 | 6.3962 | | | | |
| 829331 | 1 | PASS | 110.800 | 110.600 | 111.100 | 0.32 | 9.5 | | | | |
| 829332 | 1 | PASS | 258.000 | 257.400 | 258.700 | 0.36 | 23.9 | | | | |
| 829333 | 1 | PASS | 494.100 | 493.100 | 495.000 | 0.27 | 44.9 | | | | |
| 829334 | 1 | PASS | -0.192 | -0.228 | -0.156 | 26.40 | -0.019 | | | | |
| 829620 | 1 | PASS | 18.700 | 18.580 | 18.830 | 0.92 | 1.4 | | | | |
| 829621 | 1 | PASS | 26.430 | 26.510 | 26.360 | 0.40 | 2.0 | | | | |
| 829622 | 1 | PASS | 13.110 | 13.320 | 12.900 | 2.30 | 1.1 | | | | |
| 829623 | 1 | PASS | 13.940 ✓ | 14.030 | 13.850 | 0.92 | 1.0 | | | | |
| 829623L | 5 | PASS | 15.900 * | 16.180 | 15.620 | 2.48 | 79.50 | | | | |
| 829623MS | 1 | PASS | 446.500 | 445.700 | 447.300 | 0.26 | 33.0741 | 86.6 ✓ | 37.04 | 80 | 120 |
| 829623DP | 1 | PASS | 20.560 ✓ | 20.960 | 20.160 | 2.75 | 1.6448 | | | | |

* IDL = 0.47
 * LRV = 50,000
 * BSA052410

Sample Name: CalibStd-Blk Acquired: 5/21/2010 13:17:13 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.061 | -0.016 | .0005 | .0004 | -0.003 |
| Stddev | .0021 | .0020 | .0001 | .0001 | .0000 |
| %RSD | 34.37 | 125.6 | 24.52 | 21.48 | 11.47 |
| #1 | -0.0076 | -0.0002 | .0006 | .0004 | -0.003 |
| #2 | -0.0047 | -0.0030 | .0004 | .0005 | -0.003 |
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.015 | -0.0005 | -0.0028 | -0.0034 | -0.004 |
| Stddev | .0017 | .0002 | .0002 | .0003 | .0004 |
| %RSD | 109.8 | 42.24 | 5.730 | 9.189 | 94.59 |
| #1 | -0.0027 | -0.0006 | -0.0027 | -0.0032 | -0.006 |
| #2 | -0.0003 | -0.0003 | -0.0029 | -0.0037 | -0.001 |
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0898 | -0.0073 | -0.0251 | -0.0002 | .0019 |
| Stddev | .0004 | .0010 | .0011 | .0003 | .0020 |
| %RSD | .4958 | 13.66 | 4.291 | 156.2 | 110.5 |
| #1 | .0901 | -0.0080 | -0.0243 | .0000 | .0033 |
| #2 | .0895 | -0.0066 | -0.0258 | -0.0003 | .0004 |

Sample Name: CalibStd-Blk Acquired: 5/21/2010 13:17:13 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|----------------|---------------|----------------|----------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0000 | -0.0290 | .0037 | -0.0004 | -0.0128 |
| Stddev | .000 | .0019 | .0003 | .0002 | .0006 |
| %RSD | 227.3 | 6.411 | 7.207 | 44.29 | 4.607 |
| #1 | .0000 | -0.0303 | .0039 | -0.0005 | -0.0124 |
| #2 | -0.0001 | -0.0277 | .0035 | -0.0003 | -0.0133 |
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0002 | .0016 | .0843 | .0002 | .0119 |
| Stddev | .0000 | .0001 | .0022 | .0000 | .0007 |
| %RSD | 3.236 | 9.168 | 2.579 | 18.96 | 6.119 |
| #1 | -0.0002 | .0015 | .0828 | .0002 | .0124 |
| #2 | -0.0002 | .0017 | .0859 | .0003 | .0114 |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | |
| Avg | -0.0080 | -0.0019 | -0.0055 | .0017 | |
| Stddev | .0005 | .0003 | .0021 | .0003 | |
| %RSD | 6.842 | 16.87 | 38.66 | 16.26 | |
| #1 | -0.0076 | -0.0021 | -0.0070 | .0015 | |
| #2 | -0.0083 | -0.0017 | -0.0040 | .0019 | |

Innigpt. TFS

Sample Name: CalibStd-Blk Acquired: 5/21/2010 13:17:13 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 444.70 | 4142.6 | 4122.9 | 5885.4 |
| Stddev | 2.24 | 22.9 | 16.6 | .2 |
| %RSD | .50299 | .55389 | .40246 | .00372 |
| #1 | 446.28 | 4158.8 | 4134.6 | 5885.6 |
| #2 | 443.12 | 4126.3 | 4111.1 | 5885.2 |

Sample Name: STD7 Acquired: 5/21/2010 13:21:06 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 (85) | 318.128 (106) | 271.441 (124)2 | 766.490 (44) | 279.079 (121) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.651 | .7868 | 8.603 | 1.746 | .9193 |
| Stddev | .006 | .0014 | .003 | .007 | .0001 |
| %RSD | .2382 | .1751 | .0345 | .3963 | .0154 |
| #1 | 2.647 | .7858 | 8.605 | 1.741 | .9192 |
| #2 | 2.655 | .7877 | 8.601 | 1.751 | .9194 |

| | |
|--------|---------------|
| Elem | Na-LL |
| Line | 589.592 (57) |
| IS Ref | (Y_HWRD) |
| Units | Cts/S |
| Avg | 5.656 |
| Stddev | .015 |
| %RSD | .2689 |
| #1 | 5.645 |
| #2 | 5.666 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_HWRD |
| Line | 224.306 (150) | 371.030 (91) |
| Units | Cts/S | Cts/S |
| Avg | 4037.8 | 5773.0 |
| Stddev | 9.3 | 12.3 |
| %RSD | .23041 | .21275 |
| #1 | 4031.2 | 5764.4 |
| #2 | 4044.4 | 5781.7 |

Sample Name: STD8 Acquired: 5/21/2010 13:24:57 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|-----------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 (479) | 220.353 (453) | 206.833 (463) | 196.090 (472) | 189.989 (477)2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0637 | 2.959 | .0765 | .0484 | .1812 |
| Stddev | .0001 | .016 | .0002 | .0006 | .0003 |
| %RSD | .0896 | .5530 | .2512 | 1.331 | .1502 |
| #1 | .0637 | 2.948 | .0763 | .0479 | .1810 |
| #2 | .0637 | 2.971 | .0766 | .0488 | .1814 |
| Elem | Ti-LL | | | | |
| Line | 190.856 (477) | | | | |
| IS Ref | (In2306) | | | | |
| Units | Cts/S | | | | |
| Avg | .9920 | | | | |
| Stddev | .0009 | | | | |
| %RSD | .0908 | | | | |
| #1 | .9927 | | | | |
| #2 | .9914 | | | | |
| Int. Std. | In2306 | Y_-LWAX | | | |
| Line | 230.606 (446) | 224.306 (450) | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 447.70 | 4188.6 | | | |
| Stddev | .32 | .1 | | | |
| %RSD | .07178 | .00311 | | | |
| #1 | 447.93 | 4188.7 | | | |
| #2 | 447.47 | 4188.5 | | | |

Sample Name: STD4 Acquired: 5/21/2010 13:28:55 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | B-LL | Ba-LL | Be-LL | Cd-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 208.959 (461) | 233.527 (144) | 313.042 (108) | 228.802 (447) |
| IS Ref | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.282 | .3691 | .1017 | 2.463 | .9537 |
| Stddev | .001 | .0018 | .0003 | .002 | .0020 |
| %RSD | .0279 | .4747 | .2907 | .0883 | .2098 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.281 | .3679 | .1015 | 2.464 | .9522 |
| #2 | 2.282 | .3703 | .1019 | 2.461 | .9551 |

| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
|--------|---------------|---------------|----------------|----------------|---------------|
| Line | 228.616 (447) | 205.552 (464) | 324.754 (104)2 | 257.610 (131)2 | 202.030 (467) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.044 | 1.479 | 6.835 | 24.32 | .8806 |
| Stddev | .002 | .003 | .015 | .03 | .0057 |
| %RSD | .2258 | .2116 | .2260 | .1354 | .6461 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 1.042 | 1.477 | 6.846 | 24.34 | .8766 |
| #2 | 1.046 | 1.481 | 6.824 | 24.29 | .8846 |

| Elem | Ni-LL | P-LL | Si-LL | Sr-LL | Ti-LL |
|--------|---------------|---------------|---------------|--------------|----------------|
| Line | 231.604 (445) | 178.284 (489) | 288.158 (117) | 407.771 (83) | 334.904 (101)2 |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .5987 | .0813 | 4.350 | 61.78 | 5.350 |
| Stddev | .0008 | .0002 | .001 | .83 | .005 |
| %RSD | .1357 | .2798 | .0252 | 1.336 | .0860 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .5981 | .0811 | 4.351 | 62.36 | 5.354 |
| #2 | .5993 | .0815 | 4.349 | 61.19 | 5.347 |

Sample Name: STD4 Acquired: 5/21/2010 13:28:55 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | V-LL | Zn-LL2 |
|--------|----------------|---------------|
| Line | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S |
| Avg | 3.249 | 3.387 |
| Stddev | .011 | .008 |
| %RSD | .3402 | .2402 |

| | | |
|----|-------|-------|
| #1 | 3.256 | 3.382 |
| #2 | 3.241 | 3.393 |

| Int. Std. | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|--------------|
| Line | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 4166.9 | 4168.3 | 5870.1 |
| Stddev | 8.5 | 2.3 | 28.6 |
| %RSD | .20433 | .05493 | .48776 |

| | | | |
|----|--------|--------|--------|
| #1 | 4160.9 | 4169.9 | 5849.9 |
| #2 | 4173.0 | 4166.6 | 5890.4 |

Sample Name: ICV Acquired: 5/21/2010 13:32:54 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|----------------|--------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 496.9 | 26340. | 264.2 | 504.3 | 500.6 |
| Stddev | .0 | 117. | 2.2 | .3 | 3.0 |
| %RSD | .0066 | .4445 | .8455 | .0582 | .5966 |
| #1 | 496.9 | 26250. | 265.7 | 504.5 | 498.5 |
| #2 | 496.9 | 26420. | 262.6 | 504.1 | 502.7 |

Check ? High Limit Low Limit
#1 #2
Check ? High Limit Low Limit

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 511.0 | 25670. | 487.7 | 485.1 | 489.1 |
| Stddev | 1.7 | 22. | .4 | .5 | 1.5 |
| %RSD | .3404 | .0847 | .0720 | .1054 | .3147 |
| #1 | 509.8 | 25660. | 487.4 | 485.5 | 488.0 |
| #2 | 512.2 | 25690. | 487.9 | 484.8 | 490.2 |

Check ? High Limit Low Limit
#1 #2
Check ? High Limit Low Limit

Sample Name: ICV Acquired: 5/21/2010 13:32:54 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|----------------|----------------|--------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 478.6 | 26070. | 26090. | 25140. | 481.6 |
| Stddev | .1 | 2. | 183. | 15. | 1.7 |
| %RSD | .0252 | .0061 | .7027 | .0601 | .3606 |
| #1 | 478.7 | 26070. | 25960. | 25150. | 482.9 |
| #2 | 478.5 | 26070. | 26220. | 25130. | 480.4 |

Check ? High Limit Low Limit
#1 #2
Check ? High Limit Low Limit

| | | | | | |
|--------|---------------|--------------|---------------|---------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 518.2 | 25360. | 473.9 | 518.3 | 1004. |
| Stddev | .1 | 106. | .7 | 2.7 | 3. |
| %RSD | .0137 | .4187 | .1375 | .5118 | .2886 |
| #1 | 518.1 | 25280. | 473.5 | 516.4 | 1002. |
| #2 | 518.2 | 25430. | 474.4 | 520.2 | 1006. |

Check ? High Limit Low Limit
#1 #2
Check ? High Limit Low Limit

Sample Name: ICV Acquired: 5/21/2010 13:32:54 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|---------------|---------------|---------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 258.4 | 259.0 | 268.9 | 226.5 | 495.7 |
| Stddev | 3.3 | .2 | 4.2 | .8 | 1.4 |
| %RSD | 1.263 | .0935 | 1.545 | .3497 | .2911 |
| #1 | 256.1 | 258.8 | 271.8 | 227.1 | 496.8 |
| #2 | 260.7 | 259.2 | 266.0 | 225.9 | 494.7 |

Check ? High Limit Low Limit
#1 #2
Check ? High Limit Low Limit

| | | | | |
|--------|----------------|---------------|----------------|---------------|
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 508.3 | 249.3 | 508.7 | 503.7 |
| Stddev | 2.8 | .1 | .3 | 1.8 |
| %RSD | .5446 | .0488 | .0679 | .3502 |
| #1 | 510.2 | 249.4 | 508.5 | 502.4 |
| #2 | 506.3 | 249.2 | 509.0 | 504.9 |

Check ? High Limit Low Limit
#1 #2
Check ? High Limit Low Limit

Sample Name: ICV Acquired: 5/21/2010 13:32:54 Type: QC
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 424.02 | 4070.7 | 4096.3 | 5787.0 |
| Stddev | 1.04 | 25.3 | 5.4 | 49.5 |
| %RSD | .24498 | .62069 | .13192 | .85594 |
| #1 | 424.75 | 4052.9 | 4092.5 | 5822.0 |
| #2 | 423.28 | 4088.6 | 4100.1 | 5751.9 |

Check ? High Limit Low Limit
#1 #2
Check ? High Limit Low Limit

Sample Name: ICB Acquired: 5/21/2010 13:36:49 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1546 | -7.758 | .4096 | 1.527 | .2098 |
| Stddev | .3184 | 41.04 | 1.232 | .860 | .2430 |
| %RSD | 206.0 | 529.1 | 300.7 | 56.33 | 115.8 |

#1 -.0705 21.26 -.4613 .9190 .0380
 #2 .3797 -36.78 1.281 2.136 .3816

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1747 | 77.24 | .0257 | .1886 | .0927 |
| Stddev | .1352 | 12.20 | .1631 | .3223 | .3211 |
| %RSD | 77.39 | 15.80 | 634.6 | 171.0 | 346.3 |

#1 .0791 68.61 -.0896 .4165 -.1343
 #2 .2703 85.87 .1410 -.0394 .3198

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICB Acquired: 5/21/2010 13:36:49 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3640 | 11.73 | 112.7 | 84.30 | .2444 |
| Stddev | .2516 | .45 | 3.9 | 12.53 | .3273 |
| %RSD | 69.12 | 3.803 | 3.487 | 14.86 | 133.9 |

#1 .1861 12.04 110.0 93.16 .0130
 #2 .5419 11.41 115.5 75.44 .4758

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.122 | 28.87 | .5598 | .8577 | 2.522 |
| Stddev | .647 | 18.33 | .2804 | .3810 | 1.465 |
| %RSD | 30.50 | 63.50 | 50.08 | 44.42 | 58.09 |

#1 2.580 15.91 .3616 .5883 1.486
 #2 1.664 41.84 .7581 1.127 3.558

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICB Acquired: 5/21/2010 13:36:49 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.608 | -.1064 | 1.815 | -.4213 | .2814 |
| Stddev | .594 | 1.649 | 1.702 | .0676 | .2324 |
| %RSD | 22.76 | 154.9 | 93.78 | 16.05 | 82.56 |

#1 2.188 1.059 3.018 -.4691 .1171
 #2 3.028 -1.272 .6112 -.3735 .4457

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.3346 | .2486 | -.8016 | .4776 |
| Stddev | .3628 | 1.348 | .3122 | .1656 |
| %RSD | 108.4 | 542.1 | 38.94 | 34.67 |

#1 -.0781 -.7043 -.5809 .3605
 #2 -.5911 1.201 -.1022 .5947

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICB Acquired: 5/21/2010 13:36:49 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 449.77 | 4158.2 | 4180.7 | 5808.3 |
| Stddev | 3.83 | 6.4 | 16.0 | 11.2 |
| %RSD | .85084 | .15465 | .38209 | .19259 |

#1 447.07 4162.8 4169.4 5800.4
 #2 452.48 4153.7 4192.0 5816.2

LL 314.8 2910.7 2926.5 4065.8
 ULL 584.7 5405.7 5434.9 7550.8

Sample Name: ICSA Acquired: 5/21/2010 13:40:45 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6445 | 515600. | 2.685 | 1.783 | 2.418 |
| Stddev | .0827 | 719. | 3.538 | 1.666 | 1.522 |
| %RSD | 12.83 | .1395 | 131.8 | 93.41 | 62.95 |
| #1 | -7030 | 515100. | 5.186 | 2.961 | 3.495 |
| #2 | -5861 | 516100. | .1834 | .6054 | 1.342 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1592 | 496400. | .9150 | 2.164 | 8.038 |
| Stddev | .0042 | 1403. | .2010 | .025 | .194 |
| %RSD | 2.620 | .2826 | 21.97 | 1.152 | 2.413 |
| #1 | .1563 | 495400. | .7729 | 2.182 | 8.176 |
| #2 | .1622 | 497400. | 1.057 | 2.147 | 7.901 |

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/21/2010 13:40:45 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.040 | 196800. | -36.48 | 496000. | .9254 |
| Stddev | .242 | 383. | 20.93 | 1200. | .0411 |
| %RSD | 23.29 | .1945 | 57.36 | .2420 | 4.445 |
| #1 | -.8689 | 196500. | -51.28 | 495100. | .9545 |
| #2 | -1.212 | 197100. | -21.68 | 496800. | .8964 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1015 | 58.32 | -6.820 | 1.481 | 5.818 |
| Stddev | .1636 | 16.11 | .526 | .433 | 1.574 |
| %RSD | 161.3 | 27.63 | 7.716 | 29.25 | 27.05 |
| #1 | .0142 | 69.71 | -6.448 | 1.787 | 4.705 |
| #2 | -.2172 | 46.92 | -7.192 | 1.174 | 6.930 |

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/21/2010 13:40:45 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.641 | -6.820 | 15.43 | -1.368 | 16.51 |
| Stddev | 1.217 | 1.808 | .26 | 1.213 | .02 |
| %RSD | 46.08 | 26.50 | 1.655 | 88.69 | .0996 |
| #1 | -3.501 | -5.542 | 15.25 | -.5100 | 16.50 |
| #2 | -1.780 | -8.098 | 15.61 | -2.225 | 16.53 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.122 | 3.949 | -5.191 | -4.743 |
| Stddev | .284 | 3.377 | .401 | .030 |
| %RSD | 4.639 | 85.52 | 7.723 | .6359 |
| #1 | 6.323 | 1.561 | -5.474 | -4.722 |
| #2 | 5.922 | 6.337 | -4.907 | -4.764 |

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/21/2010 13:40:45 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 373.57 | 3806.6 | 3836.7 | 5653.4 |
| Stddev | 2.45 | 3.5 | 27.4 | 10.4 |
| %RSD | .65638 | .09247 | .71415 | .18396 |
| #1 | 371.84 | 3809.1 | 3817.4 | 5646.1 |
| #2 | 375.30 | 3804.1 | 3856.1 | 5660.8 |

Check ?
 High Limit
 Low Limit

Sample Name: ICSAB Acquired: 5/21/2010 13:44:33 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.4 | 505800. | 93.12 | 1450. | 466.6 |
| Stddev | .0 | 1126. | 1.23 | 9. | 8.0 |
| %RSD | .0155 | .2226 | 1.320 | .6255 | 1.720 |
| #1 | 196.4 | 506600. | 93.99 | 1444. | 472.2 |
| #2 | 196.3 | 505000. | 92.25 | 1457. | 460.9 |

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 494.7 | 486200. | 969.5 | 455.2 | 480.1 |
| Stddev | 1.4 | 1324. | 1.0 | 1.3 | 1.1 |
| %RSD | .2789 | .2724 | .1039 | .2902 | .2262 |
| #1 | 495.6 | 487100. | 968.8 | 454.3 | 480.8 |
| #2 | 493.7 | 485200. | 970.2 | 456.1 | 479.3 |

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSAB Acquired: 5/21/2010 13:44:33 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 493.9 | 194500. | 65.17 | 483500. | 470.1 |
| Stddev | .4 | 78. | 109.1 | 1164. | .1 |
| %RSD | .0775 | .0400 | 167.4 | .2407 | .0223 |
| #1 | 494.1 | 194600. | -11.98 | 484300. | 470.0 |
| #2 | 493.6 | 194500. | 142.3 | 482700. | 470.2 |

Check ? Value Range
 Chk Pass Chk Pass None None Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 992.5 | 52.22 | 887.5 | 501.1 | 49.95 |
| Stddev | 5.0 | 15.58 | .3 | 1.1 | 2.40 |
| %RSD | .5040 | 29.83 | .0346 | .2141 | 4.801 |
| #1 | 988.9 | 41.20 | 887.3 | 500.3 | 48.25 |
| #2 | 996.0 | 63.23 | 887.7 | 501.8 | 51.64 |

Check ? Value Range
 Chk Pass None Chk Pass Chk Pass Chk Pass

Sample Name: ICSAB Acquired: 5/21/2010 13:44:33 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 588.0 | 37.06 | 1026. | 1394. | 255.4 |
| Stddev | 1.7 | 1.36 | 3. | .8 | .8 |
| %RSD | .2817 | 3.674 | .2514 | .0233 | .3255 |
| #1 | 586.9 | 38.03 | 1024. | 1394. | 254.8 |
| #2 | 589.2 | 36.10 | 1028. | 1394. | 255.9 |

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 499.8 | 95.95 | 502.5 | 979.5 |
| Stddev | .3 | 2.05 | .4 | .2 |
| %RSD | .0658 | 2.141 | .0732 | .0155 |
| #1 | 500.0 | 94.49 | 502.3 | 979.4 |
| #2 | 499.5 | 97.40 | 502.8 | 979.6 |

Check ? Value Range
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICSAB Acquired: 5/21/2010 13:44:33 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 372.55 | 3858.1 | 3850.8 | 5727.3 |
| Stddev | 1.15 | 13.2 | 16.0 | 7.6 |
| %RSD | .30882 | .34275 | .41561 | .13261 |
| #1 | 371.74 | 3848.7 | 3839.5 | 5722.0 |
| #2 | 373.36 | 3867.4 | 3862.1 | 5732.7 |

#1 371.74 3848.7 3839.5 5722.0
 #2 373.36 3867.4 3862.1 5732.7

Sample Name: CRI Acquired: 5/21/2010 13:48:19 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.65 | F 442.2 | 10.63 | 104.3 | 195.8 |
| Stddev | .34 | 4.1 | .65 | .2 | 3.8 |
| %RSD | 3.219 | .9369 | 6.158 | .2255 | 1.934 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 10.41 | 445.2 | 11.09 | 104.5 | 198.5 |
| #2 | 10.90 | 439.3 | 10.17 | 104.2 | 193.1 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 300.0 | | | |
| Low Limit | | 100.0 | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.383 | 542.0 | 5.443 | 49.41 | 10.42 |
| Stddev | .005 | 6. | .212 | .35 | .03 |
| %RSD | .0977 | .1042 | 3.889 | .7104 | .2849 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 5.387 | 542. | 5.293 | 49.66 | 10.40 |
| #2 | 5.379 | 541.6 | 5.592 | 49.16 | 10.44 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CRI Acquired: 5/21/2010 13:48:19 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.80 | F 309.3 | 5376. | 5356. | 15.28 |
| Stddev | .50 | 12.9 | 40. | 8. | .02 |
| %RSD | 2.118 | 4.162 | .7429 | .1428 | .1600 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 23.45 | 300.2 | 5404. | 5351. | 15.27 |
| #2 | 24.16 | 318.4 | 5347. | 5362. | 15.30 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 300.0 | | | |
| Low Limit | | 100.0 | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.65 | 5233. | 39.70 | 259.2 | 11.21 |
| Stddev | .56 | 18. | .12 | 2.1 | .33 |
| %RSD | 4.113 | .3494 | .2897 | .8034 | 2.964 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 14.05 | 5246. | 39.62 | 260.6 | 10.97 |
| #2 | 13.26 | 5220. | 39.78 | 257.7 | 11.44 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CRI Acquired: 5/21/2010 13:48:19 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 64.06 | 37.14 | 105.2 | 20.04 | 21.18 |
| Stddev | 1.21 | 1.19 | .1 | .60 | .02 |
| %RSD | 1.891 | 3.192 | .0626 | 2.989 | .0902 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 63.21 | 37.98 | 105.2 | 20.47 | 21.16 |
| #2 | 64.92 | 36.30 | 105.3 | 19.62 | 21.19 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.47 | 23.55 | 50.07 | 21.02 |
| Stddev | .02 | .01 | .34 | .09 |
| %RSD | .0768 | .0596 | .6725 | .4463 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 20.49 | 23.56 | 50.31 | 20.96 |
| #2 | 20.46 | 23.54 | 49.83 | 21.09 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CRI Acquired: 5/21/2010 13:48:19 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 449.40 | 4242.1 | 4236.8 | 5904.2 |
| Stddev | .64 | 6.5 | 4.0 | 1.2 |
| %RSD | .14193 | .15353 | .09464 | .02012 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 448.95 | 4246.7 | 4234.0 | 5903.3 |
| #2 | 449.85 | 4237.5 | 4239.7 | 5905.0 |

Sample Name: CCV Acquired: 5/21/2010 13:52:10 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.55 | 30420. | 104.2 | 724.5 | 197.9 |
| Stddev | .60 | 160. | 2.0 | .7 | 3.4 |
| %RSD | .6030 | .5257 | 1.959 | .0981 | 1.705 |
| #1 | 99.12 | 30310. | 102.8 | 725.0 | 195.5 |
| #2 | 99.97 | 30530. | 105.7 | 724.0 | 200.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.5 | 30190. | 98.96 | 193.0 | 196.9 |
| Stddev | .6 | 269. | .13 | .3 | .2 |
| %RSD | .5517 | .8916 | .1321 | .1573 | .1192 |
| #1 | 101.1 | 30000. | 98.86 | 192.7 | 196.7 |
| #2 | 101.9 | 30380. | 99.05 | 193.2 | 197.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/21/2010 13:52:10 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 193.2 | 30530. | 30200. | 30460. | 193.0 |
| Stddev | .4 | 66. | 156. | 83. | .2 |
| %RSD | .2266 | .2171 | .5162 | .2735 | .1170 |
| #1 | 192.8 | 30480. | 30090. | 30400. | 192.8 |
| #2 | 193.5 | 30580. | 30310. | 30520. | 193.1 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.3 | 30320. | 189.6 | 204.0 | 399.9 |
| Stddev | .6 | 114. | .2 | 3.0 | .5 |
| %RSD | .2845 | .3746 | .1198 | 1.453 | .1241 |
| #1 | 199.9 | 30240. | 189.4 | 205.1 | 400.3 |
| #2 | 200.7 | 30400. | 189.7 | 201.9 | 399.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/21/2010 13:52:10 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 303.6 | 99.96 | 1017. | 196.5 | 302.1 |
| Stddev | 2.2 | .23 | 3. | .4 | .2 |
| %RSD | .7269 | .2260 | .3361 | .1869 | .0559 |
| #1 | 305.2 | 100.1 | 1014. | 196.2 | 302.2 |
| #2 | 302.0 | 99.80 | 1019. | 196.7 | 302.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 400.0 | 102.5 | 202.4 | 200.6 |
| Stddev | .2 | .5 | .9 | .5 |
| %RSD | .0484 | .4719 | .4283 | .2428 |
| #1 | 400.1 | 102.9 | 201.8 | 200.9 |
| #2 | 399.9 | 102.2 | 203.0 | 200.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/21/2010 13:52:10 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 428.88 | 4139.2 | 4152.9 | 5896.8 |
| Stddev | 2.90 | 18.6 | 16.6 | 23.4 |
| %RSD | .67725 | .44883 | .40050 | .39729 |
| #1 | 426.83 | 4152.3 | 4141.2 | 5913.3 |
| #2 | 430.94 | 4126.0 | 4164.7 | 5880.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/21/2010 13:55:59 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3851 | F 109.2 | .5934 | 1.300 | -1.490 |
| Stddev | 1.124 | 7.7 | .8710 | .119 | 5.867 |
| %RSD | 292.0 | 7.080 | 146.8 | 9.131 | 393.8 |

| | | | | | |
|----|--------|-------|--------|-------|--------|
| #1 | -4.099 | 114.6 | -.0225 | 1.216 | 2.659 |
| #2 | 1.180 | 103.7 | 1.209 | 1.384 | -5.638 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4215 | 165.5 | .1754 | .6052 | .3853 |
| Stddev | .2457 | 51.1 | .1756 | .1515 | .0203 |
| %RSD | 58.30 | 30.90 | 100.1 | 25.03 | 5.260 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .5952 | 201.6 | .2995 | .4981 | .3710 |
| #2 | .2477 | 129.3 | .0512 | .7124 | .3996 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/21/2010 13:55:59 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6471 | 50.31 | 6.850 | 110.3 | .5082 |
| Stddev | .1612 | 1.70 | 74.02 | 39.6 | .0851 |
| %RSD | 24.91 | 3.380 | 1081. | 35.86 | 16.75 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -.7611 | 49.10 | -45.49 | 82.37 | .5684 |
| #2 | -.5331 | 51.51 | 59.19 | 138.3 | .4480 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.024 | 77.44 | .1023 | -.0273 | 1.849 |
| Stddev | .278 | 22.29 | .7340 | 1.193 | 2.507 |
| %RSD | 27.17 | 28.78 | 717.6 | 4369. | 135.6 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 1.221 | 93.20 | .6213 | -.8710 | .0763 |
| #2 | .8276 | 61.68 | -.4167 | 8163 | 3.622 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/21/2010 13:55:59 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.580 | .9208 | 2.673 | .1912 | .2094 |
| Stddev | .635 | .9503 | 2.044 | .2755 | .0209 |
| %RSD | 40.17 | 103.2 | 76.45 | 144.1 | 9.999 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | 2.029 | 1.593 | 1.228 | -.0036 | .2242 |
| #2 | 1.131 | .2488 | 4.118 | .3860 | .1946 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0755 | -1.001 | .0047 | .7614 |
| Stddev | .1336 | 1.859 | .3003 | .1576 |
| %RSD | 176.9 | 185.7 | 6438. | 20.70 |

| | | | | |
|----|--------|--------|--------|-------|
| #1 | .0189 | -2.316 | .2170 | .6499 |
| #2 | -.1700 | .3134 | -.2076 | .8729 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCB Acquired: 5/21/2010 13:55:59 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 453.78 | 4196.9 | 4227.5 | 5887.9 |
| Stddev | .50 | 1.2 | 14.3 | 7.5 |
| %RSD | .11066 | .02974 | .33788 | .12802 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 454.14 | 4196.0 | 4237.6 | 5882.6 |
| #2 | 453.43 | 4197.8 | 4217.4 | 5893.2 |

Sample Name: PBS052010A Acquired: 5/21/2010 13:59:52 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0639 | 26.57 | -.2848 | 2.309 | 3.240 |
| Stddev | .1829 | 10.27 | 1.466 | .445 | .701 |
| %RSD | 286.4 | 38.67 | 514.7 | 19.28 | 21.63 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -.1932 | 33.83 | .7516 | 2.623 | 3.735 |
| #2 | .0655 | 19.30 | -1.321 | 1.994 | 2.744 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1376 | 21.00 | -.0072 | -.0753 | .1747 |
| Stddev | .0571 | 73.72 | .1402 | .5315 | .1011 |
| %RSD | 41.48 | 351.0 | 1959. | 705.9 | 57.85 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | .1779 | 73.13 | -.1063 | -.4511 | .2461 |
| #2 | .0972 | -31.12 | .0920 | .3005 | .1032 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: PBS052010A Acquired: 5/21/2010 13:59:52 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7246 | 25.18 | 135.7 | 14.02 | .3133 |
| Stddev | .8760 | 16.29 | 88.0 | 26.67 | .0714 |
| %RSD | 120.9 | 64.67 | 64.88 | 190.2 | 22.81 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -1.344 | 36.70 | 197.9 | 32.88 | .3638 |
| #2 | -.1052 | 13.67 | 73.43 | -4.834 | .2627 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3194 | 38.29 | 1.006 | 6.052 | 1.979 |
| Stddev | .3007 | 52.14 | .669 | .918 | 2.747 |
| %RSD | 94.15 | 136.2 | 66.53 | 15.17 | 138.8 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .5321 | 75.16 | 1.479 | 6.701 | .0364 |
| #2 | .1068 | 1.417 | .5328 | 5.403 | 3.921 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: PBS052010A Acquired: 5/21/2010 13:59:52 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.123 | 1.560 | 13.55 | 13.67 | .0631 |
| Stddev | .592 | 1.136 | 3.99 | .26 | .1019 |
| %RSD | 14.36 | 72.83 | 29.41 | 1.905 | 17.34 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 4.542 | .7567 | 16.37 | 13.86 | .0708 |
| #2 | 3.705 | 2.363 | 10.73 | 13.49 | .0553 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.3358 | -3.904 | -.2934 | .9317 |
| Stddev | .3002 | 1.624 | .3043 | .0288 |
| %RSD | 89.41 | 41.61 | 103.7 | 3.094 |

| | | | | |
|----|--------|--------|--------|-------|
| #1 | -.5481 | -2.755 | -.0782 | .9521 |
| #2 | -.1235 | -5.052 | -.5085 | .9114 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: PBS052010A Acquired: 5/21/2010 13:59:52 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 448.83 | 4212.3 | 4223.4 | 5931.2 |
| Stddev | .70 | 10.4 | 5.9 | 26.6 |
| %RSD | .15522 | .24774 | .13981 | .44802 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 449.33 | 4204.9 | 4227.6 | 5912.4 |
| #2 | 448.34 | 4219.7 | 4219.3 | 5950.0 |

Sample Name: LCSS052010A Acquired: 5/21/2010 14:03:47 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 247.8 | 2223. | 241.6 | 467.7 | 1995. |
| Stddev | .1 | 60. | 1.6 | .1 | 12. |
| %RSD | .0347 | 2.713 | .6756 | .0122 | 6260 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 247.9 | 2180. | 242.7 | 467.7 | 2004. |
| #2 | 247.8 | 2265. | 240.4 | 467.6 | 1986. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.75 | 19980. | 239.6 | 440.7 | 208.6 |
| Stddev | .11 | 49. | .6 | .5 | .0 |
| %RSD | .2079 | .2472 | .2436 | .1194 | .0014 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 53.68 | 20020. | 240.0 | 440.3 | 208.6 |
| #2 | 53.83 | 19950. | 239.2 | 441.1 | 208.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS052010A Acquired: 5/21/2010 14:03:47 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 255.1 | 1178. | 20540. | 19370. | 478.7 |
| Stddev | 1.0 | 1. | 97. | 155. | 1.3 |
| %RSD | .4083 | .1068 | .4713 | .8012 | .2673 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 254.4 | 1179. | 20610. | 19260. | 477.8 |
| #2 | 255.8 | 1177. | 20470. | 19480. | 479.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 493.2 | 19780. | 470.6 | 501.2 | 221.3 |
| Stddev | .5 | 31. | .4 | 1.3 | 1.1 |
| %RSD | .1106 | .1551 | .0808 | .2549 | .4981 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 492.8 | 19810. | 470.3 | 502.1 | 222.1 |
| #2 | 493.6 | 19760. | 470.9 | 500.3 | 220.5 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS052010A Acquired: 5/21/2010 14:03:47 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899.2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 471.8 | 239.3 | 495.2 | 528.7 | 484.5 |
| Stddev | .3 | 3.9 | .8 | .3 | .6 |
| %RSD | .0611 | 1.639 | .1607 | .0556 | .1193 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 471.6 | 242.0 | 495.8 | 528.5 | 484.1 |
| #2 | 472.0 | 236.5 | 494.7 | 528.9 | 484.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 496.2 | 247.3 | 496.2 | 480.7 |
| Stddev | .2 | .0 | .9 | .7 |
| %RSD | .0419 | .0065 | .1789 | .1519 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 496.0 | 247.3 | 495.5 | 481.2 |
| #2 | 496.3 | 247.3 | 496.8 | 480.2 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: LCSS052010A Acquired: 5/21/2010 14:03:47 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 427.68 | 4090.9 | 4128.3 | 5794.7 |
| Stddev | 1.71 | 17.1 | 2.6 | 21.2 |
| %RSD | .39948 | .41739 | .06218 | .36600 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 426.47 | 4102.9 | 4126.5 | 5809.7 |
| #2 | 428.89 | 4078.8 | 4130.2 | 5779.7 |

Sample Name: 829330 Acquired: 5/21/2010 14:07:40 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3886 | 13670 | 11.05 | 18.60 | 630.0 |
| Stddev | .2233 | 98 | 1.23 | .22 | .4 |
| %RSD | 57.47 | .7172 | 11.09 | 1.182 | .0565 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | -2307 | 13740 | 11.92 | 18.75 | 629.8 |
| #2 | -5465 | 13600 | 10.19 | 18.44 | 630.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.085 | 86520 | .7134 | 11.67 | 16.76 |
| Stddev | .088 | 389 | .1503 | .21 | .04 |
| %RSD | 8.139 | .4493 | 21.06 | 1.784 | .2549 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 1.022 | 86800 | .8195 | 11.82 | 16.79 |
| #2 | 1.147 | 86250 | .6071 | 11.52 | 16.73 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330 Acquired: 5/21/2010 14:07:40 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 77.78 | 16030 | 13450 | 10120 | 353.4 |
| Stddev | 1.58 | 24 | 110 | 34 | .3 |
| %RSD | 2.026 | .1495 | .8210 | .3364 | .0987 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 76.66 | 16020 | 13370 | 10140 | 353.1 |
| #2 | 78.89 | 16050 | 13520 | 10090 | 353.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 62.99 | 418.7 | 19.32 | 2538 | 18.51 |
| Stddev | .53 | 7.7 | .20 | 2 | 2.05 |
| %RSD | .8401 | 1.838 | 1.016 | .0667 | 11.06 |

| | | | | | |
|---------|-------|-------|-------|------|-------|
| #1 | 63.37 | 424.1 | 19.46 | 2539 | 17.06 |
| #2 | 62.62 | 413.3 | 19.18 | 2537 | 19.96 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330 Acquired: 5/21/2010 14:07:40 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.864 | 3.080 | 2873 | 9.220 | 363.3 |
| Stddev | 2.275 | 681 | 6 | .411 | 1.4 |
| %RSD | 122.0 | 22.10 | .1978 | 4.463 | .3899 |

| | | | | | |
|---------|-------|-------|------|-------|-------|
| #1 | .2554 | 3.562 | 2869 | 9.511 | 364.3 |
| #2 | 3.473 | 2.599 | 2877 | 8.929 | 362.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 381.7 | -3.093 | 68.99 | 135.2 |
| Stddev | .1 | 2.517 | 1.06 | .0 |
| %RSD | .0217 | 81.38 | 1.543 | .0183 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 381.7 | -1.313 | 68.23 | 135.2 |
| #2 | 381.8 | -4.873 | 69.74 | 135.2 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829330 Acquired: 5/21/2010 14:07:40 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 432.55 | 4162.7 | 4209.8 | 5950.4 |
| Stddev | .13 | 24.5 | 6.8 | .0 |
| %RSD | .02956 | .58887 | .16072 | .00083 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 432.64 | 4180.0 | 4214.6 | 5950.4 |
| #2 | 432.46 | 4145.3 | 4205.0 | 5950.4 |

Sample Name: 829330L Acquired: 5/21/2010 14:11:38 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.510 | 14130. | 4.144 | 20.19 | 647.9 |
| Stddev | 1.800 | 169. | 4.993 | 3.23 | 3.5 |
| %RSD | 119.2 | 1.198 | 120.5 | 16.02 | .5348 |
| #1 | .2378 | 14010. | 7.674 | 17.91 | 650.4 |
| #2 | 2.783 | 14250. | .6137 | 22.48 | 645.5 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.029 | 87810. | .4668 | 12.62 | 15.79 |
| Stddev | .512 | 653. | .1707 | 1.94 | 2.18 |
| %RSD | 49.72 | .7440 | 36.55 | 15.40 | 13.81 |
| #1 | .6675 | 87350. | .3462 | 14.00 | 14.25 |
| #2 | 1.391 | 88270. | .5875 | 11.25 | 17.33 |

Check ? Value Range
 None None None None None

Sample Name: 829330L Acquired: 5/21/2010 14:11:38 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 73.75 | 16370. | 14160. | 10430. | 360.7 |
| Stddev | .86 | 53. | 311. | 309. | 1.0 |
| %RSD | 1.168 | .3238 | 2.193 | 2.963 | .2663 |
| #1 | 74.36 | 16330. | 14380. | 10650. | 360.0 |
| #2 | 73.14 | 16410. | 13940. | 10220. | 361.4 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 63.13 | 592.4 | 17.02 | 2565. | 19.70 |
| Stddev | 1.47 | 221.7 | 3.15 | 1. | 2.02 |
| %RSD | 2.326 | 37.43 | 18.53 | .0337 | 10.24 |
| #1 | 64.17 | 435.6 | 19.25 | 2565. | 18.27 |
| #2 | 62.09 | 749.2 | 14.79 | 2564. | 21.12 |

Check ? Value Range
 None None None None None

Sample Name: 829330L Acquired: 5/21/2010 14:11:38 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.98 | -2.039 | 2802. | 9.812 | 373.5 |
| Stddev | 5.11 | 17.76 | 1. | 2.146 | 3.5 |
| %RSD | 46.53 | 871.1 | .0294 | 21.87 | .9316 |
| #1 | 14.59 | 10.52 | 2803. | 11.33 | 371.0 |
| #2 | 7.367 | -14.60 | 2802. | 8.295 | 375.9 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 380.7 | -7.079 | 65.98 | 141.4 |
| Stddev | .7 | 1.388 | .79 | .6 |
| %RSD | .1949 | 19.61 | 1.197 | .4189 |
| #1 | 380.2 | -8.061 | 65.42 | 141.0 |
| #2 | 381.3 | -6.098 | 66.54 | 141.8 |

Check ? Value Range
 None None None None

Sample Name: 829330L Acquired: 5/21/2010 14:11:38 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 450.67 | 4228.6 | 4253.1 | 5943.6 |
| Stddev | 2.98 | 5.6 | 16.1 | 13.9 |
| %RSD | .66098 | .13300 | .37779 | .23366 |
| #1 | 448.56 | 4224.7 | 4241.7 | 5953.4 |
| #2 | 452.78 | 4232.6 | 4264.5 | 5933.7 |

Check ? Value Range
 None None None None

Sample Name: 829330A Acquired: 5/21/2010 14:15:31 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7672 | 15650. | 50.70 | 483.5 | 2565. |
| Stddev | 4263 | 67. | 2.18 | .7 | 6. |
| %RSD | 55.56 | .4257 | 4.298 | .1438 | .2332 |
| #1 | -4658 | 15600. | 52.24 | 483.0 | 2561. |
| #2 | -1.069 | 15700. | 49.16 | 484.0 | 2569. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.49 | 85830. | 50.20 | 458.7 | 217.9 |
| Stddev | .12 | 164. | .08 | .4 | .0 |
| %RSD | .2157 | .1906 | .1571 | .0962 | .0054 |
| #1 | 53.41 | 85710. | 50.26 | 458.4 | 217.9 |
| #2 | 53.58 | 85940. | 50.15 | 459.0 | 217.9 |

Check ? Value Range
 None None None None None

Sample Name: 829330A Acquired: 5/21/2010 14:15:31 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 324.4 | 16940. | 13420. | 10000. | 815.2 |
| Stddev | .3 | 1. | 164. | 77. | 2.1 |
| %RSD | .1021 | .0033 | 1.219 | .7734 | .2539 |
| #1 | 324.6 | 16940. | 13300. | 9949. | 816.7 |
| #2 | 324.1 | 16940. | 13530. | 10060. | 813.7 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 545.9 | 432.3 | 467.5 | 2996. | 39.01 |
| Stddev | .1 | 29.2 | .2 | 7. | .34 |
| %RSD | .0250 | 6.763 | .0469 | .2465 | .8612 |
| #1 | 545.8 | 411.7 | 467.3 | 2991. | 38.77 |
| #2 | 546.0 | 453.0 | 467.7 | 3001. | 39.25 |

Check ? Value Range
 None None None None None

Sample Name: 829330A Acquired: 5/21/2010 14:15:31 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 468.3 | 54.55 | 3327. | 457.4 | 820.9 |
| Stddev | 1.1 | .44 | 2. | 3.2 | 5.2 |
| %RSD | .2372 | .8131 | .0679 | .6896 | .6357 |
| #1 | 469.0 | 54.24 | 3328. | 455.2 | 817.2 |
| #2 | 467.5 | 54.87 | 3325. | 459.6 | 824.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 841.0 | 50.75 | 553.4 | 593.6 |
| Stddev | 2.7 | 1.64 | .4 | .4 |
| %RSD | .3254 | 3.221 | .0638 | .0664 |
| #1 | 842.9 | 49.59 | 553.2 | 593.3 |
| #2 | 839.0 | 51.91 | 553.7 | 593.8 |

Check ? Value Range
 None None None None

Sample Name: 829330A Acquired: 5/21/2010 14:15:31 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 434.14 | 4172.6 | 4214.8 | 5936.2 |
| Stddev | 1.81 | 8.6 | 8.4 | 30.3 |
| %RSD | .41723 | .20602 | .19891 | .51101 |
| #1 | 435.42 | 4166.5 | 4208.9 | 5957.7 |
| #2 | 432.86 | 4178.6 | 4220.7 | 5914.8 |

Check ? Value Range
 None None None None

Sample Name: 829330MS Acquired: 5/21/2010 14:19:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B.-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 47.87 | 14890. | 47.84 | 451.5 | 2382. |
| Stddev | .40 | 114. | 2.87 | 3.7 | 6. |
| %RSD | .8266 | .7678 | 5.997 | .8292 | .2666 |
| #1 | 47.59 | 14800. | 45.81 | 448.8 | 2377. |
| #2 | 48.15 | 14970. | 49.87 | 454.1 | 2386. |

Check ?
 Value
 Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.24 | 65940. | 48.22 | 423.6 | 210.9 |
| Stddev | .54 | 316. | .06 | .7 | .1 |
| %RSD | 1.060 | .4795 | .1216 | .1588 | .0260 |
| #1 | 50.85 | 65710. | 48.18 | 423.1 | 210.9 |
| #2 | 51.62 | 66160. | 48.26 | 424.1 | 210.8 |

Check ?
 Value
 Range

Sample Name: 829330MS Acquired: 5/21/2010 14:19:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 310.5 | 13480. | 15020. | 8431. | 728.5 |
| Stddev | .5 | 2. | 194. | 20. | .8 |
| %RSD | .1574 | .0172 | 1.292 | .2385 | .1037 |
| #1 | 310.9 | 13480. | 14880. | 8446. | 728.0 |
| #2 | 310.2 | 13480. | 15150. | 8417. | 729.1 |

Check ?
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P.-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 538.4 | 401.8 | 458.3 | 3504. | 32.83 |
| Stddev | .9 | 8.6 | .2 | 8. | .89 |
| %RSD | .1637 | 2.143 | .0509 | .2328 | 2.699 |
| #1 | 537.8 | 407.9 | 458.1 | 3498. | 33.45 |
| #2 | 539.0 | 395.7 | 458.4 | 3510. | 32.20 |

Check ?
 Value
 Range

Sample Name: 829330MS Acquired: 5/21/2010 14:19:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 372.0 | 51.77 | 2853. | 469.7 | 735.6 |
| Stddev | .9 | 2.02 | 2. | .8 | 7.9 |
| %RSD | .2299 | 3.894 | .0828 | .1602 | 1.079 |
| #1 | 371.4 | 53.20 | 2855. | 470.2 | 741.2 |
| #2 | 372.6 | 50.35 | 2851. | 469.1 | 730.0 |

Check ?
 Value
 Range

| Elem | Ti-LL | Ti-LL | V.-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 775.4 | 49.22 | 521.3 | 576.3 |
| Stddev | .8 | 1.00 | 1.1 | .4 |
| %RSD | .1087 | 2.027 | .2137 | .0676 |
| #1 | 774.8 | 48.51 | 522.1 | 576.0 |
| #2 | 776.0 | 49.92 | 520.5 | 576.5 |

Check ?
 Value
 Range

Sample Name: 829330MS Acquired: 5/21/2010 14:19:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 433.37 | 4148.1 | 4200.3 | 5926.2 |
| Stddev | 3.97 | 20.5 | 14.1 | 36.2 |
| %RSD | .91589 | .49325 | .33499 | .61067 |
| #1 | 430.56 | 4162.6 | 4190.4 | 5951.8 |
| #2 | 436.18 | 4133.7 | 4210.3 | 5900.6 |

#1
 #2

Sample Name: 829330DP Acquired: 5/21/2010 14:23:20 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3743 | 10680. | 9.121 | 15.68 | 536.6 |
| Stddev | .2221 | .34 | 1.750 | .79 | 9.8 |
| %RSD | 59.33 | .3161 | 19.19 | 5.052 | 1.833 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | 2.173 | 10660. | 7.883 | 16.24 | 529.7 |
| #2 | 5.314 | 10710. | 10.36 | 15.12 | 543.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8504 | 64730. | .7361 | 10.03 | 14.52 |
| Stddev | .1246 | 35. | .1514 | .24 | .23 |
| %RSD | 14.65 | .0541 | 20.56 | 2.429 | 1.550 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | .9385 | 64750. | .6291 | 9.860 | 14.68 |
| #2 | .7623 | 64700. | .8432 | 10.20 | 14.36 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330DP Acquired: 5/21/2010 14:23:20 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 69.03 | 11940. | 12960. | 8296. | 271.3 |
| Stddev | .07 | 34. | 148. | 24. | .0 |
| %RSD | .0979 | .2825 | 1.140 | .2879 | .0033 |

| | | | | | |
|---------|-------|--------|--------|-------|-------|
| #1 | 68.98 | 11970. | 13060. | 8279. | 271.3 |
| #2 | 69.08 | 11920. | 12850. | 8312. | 271.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 67.16 | 368.3 | 14.66 | 2661. | 14.33 |
| Stddev | .61 | 37.0 | .24 | 7. | 2.01 |
| %RSD | .9048 | 10.04 | 1.667 | .2783 | 14.04 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 66.73 | 342.1 | 14.49 | 2666. | 15.76 |
| #2 | 67.59 | 394.4 | 14.83 | 2655. | 12.91 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330DP Acquired: 5/21/2010 14:23:20 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.640 | 4.522 | 2378. | 6.871 | 295.5 |
| Stddev | .198 | 1.475 | 9. | .334 | .3 |
| %RSD | 5.450 | 32.62 | .3724 | 4.866 | .0978 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 3.500 | 5.565 | 2384. | 6.634 | 295.3 |
| #2 | 3.781 | 3.479 | 2372. | 7.107 | 295.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 301.7 | -2.787 | 55.97 | 96.20 |
| Stddev | .3 | 1.121 | .31 | .17 |
| %RSD | .0978 | 40.23 | .5485 | .1803 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 301.5 | -3.579 | 55.75 | 96.33 |
| #2 | 301.9 | -1.994 | 56.18 | 96.08 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829330DP Acquired: 5/21/2010 14:23:20 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 436.76 | 4191.5 | 4226.1 | 5932.5 |
| Stddev | .96 | 13.4 | 7.6 | 10.5 |
| %RSD | .22022 | .31929 | .17989 | .17712 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 436.08 | 4182.0 | 4231.5 | 5925.1 |
| #2 | 437.45 | 4200.9 | 4220.7 | 5940.0 |

Sample Name: 829331 Acquired: 5/21/2010 14:27:10 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|----------------|--------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0168 | 9822. | 7.032 | 11.76 | 95.92 |
| Stddev | .5627 | 22. | 3.040 | 42 | 6.64 |
| %RSD | 3354. | .2235 | 43.23 | 3.589 | 6.925 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | .4146 | 9806. | 4.882 | 11.47 | 100.6 |
| #2 | -.3811 | 9837. | 9.181 | 12.06 | 91.22 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| | | | | | |
|--------|---------------|---------------|---------------|---------------|---------------|
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.083 | 24450. | 3.909 | 8.558 | 23.77 |
| Stddev | .031 | .7. | .051 | .166 | .06 |
| %RSD | 2.888 | .0286 | 1.293 | 1.939 | 2323 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 1.105 | 24460. | 3.873 | 8.675 | 23.73 |
| #2 | 1.061 | 24450. | 3.945 | 8.440 | 23.80 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829331 Acquired: 5/21/2010 14:27:10 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|----------------|----------------|--------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 140.8 | 16640. | 13380. | 6349. | 567.9 |
| Stddev | .6 | 22. | 12. | 7. | .7 |
| %RSD | .4499 | .1316 | .0873 | .1060 | .1309 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | 141.3 | 16650. | 13370. | 6344. | 568.5 |
| #2 | 140.4 | 16620. | 13390. | 6354. | 567.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| | | | | | |
|--------|---------------|--------------|---------------|---------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 110.8 | 174.7 | 21.52 | 1825. | 30.00 |
| Stddev | .4 | 19.7 | .56 | .9. | 1.77 |
| %RSD | .3160 | 11.28 | 2.579 | .4662 | 5.903 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 110.6 | 160.8 | 21.12 | 1819. | 28.74 |
| #2 | 111.1 | 188.6 | 21.91 | 1831. | 31.25 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829331 Acquired: 5/21/2010 14:27:10 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|---------------|---------------|---------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.659 | 1.809 | 3883. | 6.219 | 186.2 |
| Stddev | 2.025 | 1.263 | 4. | 428 | 1.3 |
| %RSD | 55.34 | 69.81 | .0988 | 6.876 | .6799 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.227 | 2.702 | 3886. | 5.916 | 185.3 |
| #2 | 5.092 | .9160 | 3880. | 6.521 | 187.1 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| | | | | |
|--------|----------------|---------------|----------------|---------------|
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWRD) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 367.2 | -4.821 | 28.06 | 615.7 |
| Stddev | .7 | .357 | .15 | 2.4 |
| %RSD | .1771 | 7.414 | .5313 | .3855 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 367.6 | -5.074 | 28.16 | 614.1 |
| #2 | 366.7 | -4.569 | 27.95 | 617.4 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829331 Acquired: 5/21/2010 14:27:10 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 442.48 | 4228.4 | 4269.5 | 5976.4 |
| Stddev | 2.40 | 11.3 | 14.0 | 60.3 |
| %RSD | .54279 | .26607 | .32733 | 1.0092 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 440.78 | 4236.4 | 4259.6 | 6019.0 |
| #2 | 444.17 | 4220.5 | 4279.4 | 5933.7 |

Sample Name: 829332 Acquired: 5/21/2010 14:31:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0163 | 288.6 | 2.895 | 128.3 | 16.10 |
| Stddev | .1762 | 15.7 | 1.762 | .6 | 4.03 |
| %RSD | 1080. | 5.436 | 60.85 | .4440 | 25.02 |

#1 -.1083 299.7 4.141 127.9 18.95
 #2 .1409 277.5 1.650 128.7 13.25

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1961 | 25330. | 2.512 | .1713 | 1.039 |
| Stddev | .0827 | 102. | .013 | .0411 | .177 |
| %RSD | 42.20 | .4030 | .4960 | 24.00 | 17.09 |

#1 .1376 25250. 2.521 .2003 1.164
 #2 .2546 25400. 2.503 .1422 .9134

Check ? Value Range
 None None None None None

Sample Name: 829332 Acquired: 5/21/2010 14:31:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 46.99 | 381.5 | 45560. | 5496. | 308.6 |
| Stddev | .14 | 7.1 | 121. | 47. | .6 |
| %RSD | .3019 | 1.866 | .2665 | .8525 | .1798 |

#1 46.89 386.5 45480. 5463. 308.2
 #2 47.09 376.5 45650. 5529. 308.9

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 258.0 | 218.0 | 2.024 | 5502. | 2.428 |
| Stddev | .9 | 26.8 | .098 | 13. | .009 |
| %RSD | .3630 | 12.28 | 4.833 | .2382 | .3851 |

#1 257.4 199.0 1.955 5512. 2.434
 #2 258.7 236.9 2.093 5493. 2.421

Check ? Value Range
 None None None None None

Sample Name: 829332 Acquired: 5/21/2010 14:31:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.535 | 5.009 | 629.6 | 7.762 | 363.7 |
| Stddev | .794 | 3.178 | 3.8 | .267 | 1.6 |
| %RSD | 14.35 | 63.46 | .5995 | 3.443 | .4383 |

#1 4.973 2.761 632.3 7.951 364.8
 #2 6.096 7.256 626.9 7.573 362.5

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9.138 | -5.193 | 3.318 | 515.9 |
| Stddev | .046 | 1.697 | .101 | 1.2 |
| %RSD | .5035 | 32.69 | 3.055 | .2421 |

#1 9.170 -6.393 3.247 516.8
 #2 9.105 -3.992 3.390 515.0

Check ? Value Range
 None None None None

Sample Name: 829332 Acquired: 5/21/2010 14:31:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 442.46 | 4181.0 | 4240.9 | 5939.2 |
| Stddev | .92 | 11.9 | 10.0 | 10.1 |
| %RSD | .20685 | .28486 | .23667 | .17035 |

#1 441.81 4189.4 4233.8 5932.0
 #2 443.11 4172.6 4248.0 5946.3

Sample Name: 829333 Acquired: 5/21/2010 14:34:58 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5268 | 1220. | 2.719 | 54.75 | 89.28 |
| Stddev | .4367 | 1. | 2.095 | .67 | 5.06 |
| %RSD | 82.90 | .0610 | 77.03 | 1.218 | 5.673 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | -8355 | 1221. | 1.238 | 54.28 | 85.70 |
| #2 | -2180 | 1219. | 4.201 | 55.22 | 92.86 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1592 | 27570. | 5.566 | .9143 | 4.220 |
| Stddev | .2847 | 33. | .157 | .0930 | .012 |
| %RSD | 178.9 | .1180 | 2.826 | 10.17 | .2791 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -.0422 | 27550. | 5.677 | .9800 | 4.228 |
| #2 | .3605 | 27590. | 5.455 | .8485 | 4.211 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829333 Acquired: 5/21/2010 14:34:58 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 83.42 | 1585. | 52740. | 9110. | 145.7 |
| Stddev | .43 | 5. | 55. | 6. | .5 |
| %RSD | .5108 | .3002 | .1050 | .0653 | .3557 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 83.12 | 1588. | 52780. | 9115. | 145.3 |
| #2 | 83.72 | 1581. | 52700. | 9106. | 146.0 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 494.1 | 414.1 | 2.934 | 2735. | 5.863 |
| Stddev | 1.3 | 6.5 | .569 | 12. | 2.462 |
| %RSD | .2680 | 1.570 | 19.40 | .4435 | 41.98 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 493.1 | 418.7 | 3.337 | 2726. | 4.123 |
| #2 | 495.0 | 409.5 | 2.532 | 2744. | 7.604 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829333 Acquired: 5/21/2010 14:34:58 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.777 | 5.371 | 1854. | 8.423 | 302.8 |
| Stddev | 2.173 | 1.430 | 64. | .158 | .3 |
| %RSD | 57.53 | 26.62 | 3.431 | 1.877 | .0884 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.240 | 4.360 | 1899. | 8.534 | 302.6 |
| #2 | 5.314 | 6.382 | 1809. | 8.311 | 303.0 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 42.38 | -4.665 | 19.36 | 204.3 |
| Stddev | .39 | 1.226 | .13 | 1.1 |
| %RSD | .9139 | 26.28 | .6616 | .5461 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 42.11 | -3.798 | 19.45 | 203.5 |
| #2 | 42.66 | -5.532 | 19.27 | 205.1 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829333 Acquired: 5/21/2010 14:34:58 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 434.38 | 4143.4 | 4212.8 | 5915.8 |
| Stddev | 1.05 | 17.7 | 15.7 | 11.8 |
| %RSD | .24077 | .42823 | .37155 | .20001 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 435.12 | 4155.9 | 4223.8 | 5924.1 |
| #2 | 433.64 | 4130.8 | 4201.7 | 5907.4 |

Sample Name: CCV Acquired: 5/21/2010 14:38:51 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.18 | 30370. | 101.8 | 715.2 | 194.3 |
| Stddev | 1.02 | 38. | 2 | 4.3 | 1.2 |
| %RSD | 1.044 | .1239 | .2168 | .6059 | .6091 |
| #1 | 98.90 | 30400. | 101.7 | 712.1 | 193.5 |
| #2 | 97.45 | 30350. | 102.0 | 718.3 | 195.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.2 | 30180. | 98.17 | 191.1 | 196.4 |
| Stddev | .1 | 208. | .10 | .6 | 2 |
| %RSD | .0868 | .6902 | .0997 | .3119 | .1141 |
| #1 | 101.3 | 30320. | 98.10 | 190.7 | 196.6 |
| #2 | 101.2 | 30030. | 98.24 | 191.6 | 196.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/21/2010 14:38:51 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 190.5 | 30650. | 30240. | 30390. | 191.6 |
| Stddev | .1 | 69. | 175. | 38. | 3 |
| %RSD | .0685 | .2257 | .5786 | .1256 | .1678 |
| #1 | 190.4 | 30700. | 30360. | 30360. | 191.8 |
| #2 | 190.6 | 30600. | 30120. | 30410. | 191.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.8 | 30440. | 188.2 | 206.3 | 402.5 |
| Stddev | 9 | 95. | .1 | .6 | .6 |
| %RSD | .4423 | .3130 | .0755 | .3019 | .1526 |
| #1 | 198.2 | 30500. | 188.1 | 206.7 | 402.9 |
| #2 | 199.4 | 30370. | 188.3 | 205.8 | 402.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/21/2010 14:38:51 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 302.4 | 97.46 | 1031. | 197.6 | 300.1 |
| Stddev | .1 | .42 | 3. | .2 | 3.2 |
| %RSD | .0310 | .4329 | .3021 | .0858 | 1.078 |
| #1 | 302.5 | 97.76 | 1033. | 197.7 | 302.4 |
| #2 | 302.4 | 97.16 | 1029. | 197.5 | 297.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 397.3 | 99.99 | 201.3 | 200.3 |
| Stddev | .5 | .23 | .3 | .1 |
| %RSD | .1174 | .2275 | .1693 | .0584 |
| #1 | 397.6 | 99.82 | 201.6 | 200.2 |
| #2 | 396.9 | 100.1 | 201.1 | 200.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/21/2010 14:38:51 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 426.20 | 4124.6 | 4139.2 | 5868.4 |
| Stddev | .72 | 15.6 | 9.9 | 27.1 |
| %RSD | .17010 | .37932 | .23979 | .46183 |
| #1 | 426.71 | 4135.7 | 4146.2 | 5849.2 |
| #2 | 425.68 | 4113.5 | 4132.2 | 5887.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/21/2010 14:42:40 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2377 | 33.68 | -1.229 | 1.871 | -4.812 |
| Stddev | .0626 | 29.27 | .716 | .133 | 3.854 |
| %RSD | 26.34 | 86.90 | 58.27 | 7.107 | 800.8 |
| #1 | .1934 | 54.37 | -7.225 | 1.965 | -3.206 |
| #2 | .2820 | 12.98 | -1.735 | 1.777 | 2.244 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1806 | 14.85 | .1158 | -2.008 | -1.992 |
| Stddev | .1448 | 14.79 | .0361 | .0303 | .0020 |
| %RSD | 80.20 | 99.58 | 31.18 | 15.10 | 1.016 |
| #1 | .2830 | 4.395 | .1413 | -1.794 | -2.006 |
| #2 | .0782 | 25.31 | .0903 | -2.222 | -1.977 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/21/2010 14:42:40 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9.033 | 19.25 | 108.7 | -1.168 | .0706 |
| Stddev | 5886 | 4.63 | 14.6 | 18.69 | .0048 |
| %RSD | 65.16 | 24.03 | 13.40 | 1599. | 6.766 |
| #1 | -1.319 | 15.98 | 98.35 | 12.05 | .0672 |
| #2 | -4.871 | 22.52 | 118.9 | -14.38 | .0739 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6755 | 42.89 | .3753 | 1.728 | .6932 |
| Stddev | .5768 | 12.91 | .2443 | 1.037 | 1.606 |
| %RSD | 85.39 | 30.10 | 65.09 | 60.03 | 231.6 |
| #1 | 1.083 | 33.76 | .2026 | 2.462 | 1.829 |
| #2 | .2676 | 52.02 | .5481 | .9947 | -4.422 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/21/2010 14:42:40 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.625 | 4.487 | 5.369 | -4.050 | .1849 |
| Stddev | .902 | 1.322 | .383 | .2079 | .0045 |
| %RSD | 34.34 | 29.46 | 7.131 | 51.33 | 2.455 |
| #1 | 3.263 | 3.552 | 5.639 | -5.520 | .1881 |
| #2 | 1.988 | 5.421 | 5.098 | -2.580 | .1817 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1785 | -8.302 | -1.1301 | .2340 |
| Stddev | .0275 | .4217 | .2458 | .1788 |
| %RSD | 15.39 | 50.79 | 188.9 | 76.41 |
| #1 | .1980 | -1.128 | -3.039 | .3604 |
| #2 | .1591 | -5.321 | .0437 | .1076 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/21/2010 14:42:40 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 453.77 | 4197.6 | 4222.6 | 5865.0 |
| Stddev | 1.27 | 2.0 | 11.1 | 35.9 |
| %RSD | .27989 | .04791 | .26249 | .61126 |
| #1 | 452.88 | 4199.0 | 4214.8 | 5839.7 |
| #2 | 454.67 | 4196.2 | 4230.4 | 5890.4 |

Check ?
 High Limit
 Low Limit

Sample Name: 829334 Acquired: 5/21/2010 14:46:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2581 | 12.94 | 2.517 | 1.773 | -.9977 |
| Stddev | .1302 | 1.75 | .395 | .489 | 1.736 |
| %RSD | 50.44 | 13.50 | 15.67 | 27.59 | 174.0 |
| #1 | .1660 | 14.18 | 2.238 | 1.427 | .2296 |
| #2 | .3502 | 11.71 | 2.796 | 2.119 | -2.225 |

Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (106) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1801 | .8790 | -.0785 | -.3263 | .2912 |
| Stddev | .2291 | 16.38 | .2353 | .4784 | 1.662 |
| %RSD | 127.2 | 1864. | 299.8 | 146.6 | 57.07 |
| #1 | .3421 | 12.46 | -.2449 | .0119 | .4088 |
| #2 | .0181 | -10.71 | .0879 | -.6646 | .1737 |

Check ? None None None None None
 Value
 Range

Sample Name: 829334 Acquired: 5/21/2010 14:46:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7757 | 2.891 | 128.5 | 13.68 | .1130 |
| Stddev | .5514 | 13.72 | 144.0 | 10.76 | .0555 |
| %RSD | 71.08 | 474.6 | 112.1 | 78.60 | 49.13 |
| #1 | -1.166 | 12.59 | 26.61 | 6.078 | .0737 |
| #2 | -.3858 | -6.810 | 230.3 | 21.29 | .1522 |

Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1919 | 21.41 | .8190 | 6.969 | 2.950 |
| Stddev | .0507 | 9.46 | .1952 | 1.772 | .443 |
| %RSD | 26.40 | 44.16 | 23.84 | 25.43 | 15.00 |
| #1 | -.2277 | 14.73 | .9570 | 5.716 | 2.637 |
| #2 | -.1561 | 28.10 | .6810 | 8.222 | 3.262 |

Check ? None None None None None
 Value
 Range

Sample Name: 829334 Acquired: 5/21/2010 14:46:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.382 | .5079 | 16.32 | 13.61 | .0275 |
| Stddev | 2.349 | 1.959 | .48 | .41 | .0087 |
| %RSD | 98.60 | 385.6 | 2.969 | 2.981 | 31.58 |
| #1 | 4.043 | -.8769 | 16.67 | 13.32 | .0214 |
| #2 | .7214 | 1.893 | 15.98 | 13.90 | .0337 |

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Tl-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.7057 | -3.259 | -.4117 | .7410 |
| Stddev | .2827 | .835 | .1339 | .0516 |
| %RSD | 40.06 | 25.63 | 32.52 | 6.964 |
| #1 | -.5058 | -2.668 | -.5064 | .7775 |
| #2 | -.9055 | -3.849 | -.3170 | .7045 |

Check ? None None None None
 Value
 Range

Sample Name: 829334 Acquired: 5/21/2010 14:46:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 449.57 | 4193.4 | 4235.6 | 5876.5 |
| Stddev | 1.78 | 5.7 | 1.1 | 41.9 |
| %RSD | .39586 | .13510 | .02623 | .71378 |
| #1 | 450.83 | 4189.4 | 4234.8 | 5846.9 |
| #2 | 448.31 | 4197.4 | 4236.4 | 5906.2 |

Check ? None None None None
 Value
 Range

Sample Name: 829620 Acquired: 5/21/2010 14:50:28 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.562 | 131700. | 85.60 | 39.33 | 2535. |
| Stddev | .358 | .99 | .86 | .33 | 1. |
| %RSD | 10.04 | .0752 | 1.003 | .8292 | .0552 |
| #1 | -3.815 | 131800. | 86.20 | 39.10 | 2536. |
| #2 | -3.310 | 131700. | 84.99 | 39.56 | 2534. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.37 | 343700. | 2.217 | 74.15 | 205.2 |
| Stddev | .26 | 11. | .148 | .29 | .3 |
| %RSD | 2.496 | .0033 | 6.667 | .3921 | .1552 |
| #1 | 10.19 | 343700. | 2.321 | 73.95 | 205.0 |
| #2 | 10.56 | 343800. | 2.112 | 74.36 | 205.4 |

Check ? Value Range
 None None None None None

Sample Name: 829620 Acquired: 5/21/2010 14:50:28 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.0 | 218400. | 21380. | 75000. | 4164. |
| Stddev | .2 | 621. | 9. | 44. | 13. |
| %RSD | .1122 | .2841 | .0441 | .0584 | .3203 |
| #1 | 199.1 | 218000. | 21370. | 74970. | 4173. |
| #2 | 198.8 | 218900. | 21380. | 75030. | 4155. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.70 | 4130. | 170.1 | 5817. | 260.7 |
| Stddev | .17 | 14. | 1.2 | 10. | 1.7 |
| %RSD | .9235 | .3463 | .6856 | .1687 | .6531 |
| #1 | 18.58 | 4140. | 170.9 | 5810. | 259.5 |
| #2 | 18.83 | 4120. | 169.3 | 5824. | 261.9 |

Check ? Value Range
 None None None None None

Sample Name: 829620 Acquired: 5/21/2010 14:50:28 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.782 | -6.080 | 3530. | 4.051 | 1238. |
| Stddev | 2.655 | 4.512 | 7. | .409 | 4. |
| %RSD | 39.15 | 74.21 | .2035 | 10.09 | .3267 |
| #1 | -8.660 | -2.889 | 3525. | 3.762 | 1240. |
| #2 | -4.904 | -9.270 | 3535. | 4.340 | 1235. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2739. | -.9826 | 460.6 | 746.1 |
| Stddev | 1. | 2.071 | 3.6 | 1.1 |
| %RSD | .0263 | 210.8 | .7742 | .1427 |
| #1 | 2739. | .4821 | 458.0 | 745.4 |
| #2 | 2740. | -2.447 | 463.1 | 746.9 |

Check ? Value Range
 None None None None

Sample Name: 829620 Acquired: 5/21/2010 14:50:28 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 407.04 | 4409.5 | 4451.1 | 6459.3 |
| Stddev | .16 | 16.9 | 1.2 | 24.2 |
| %RSD | .04008 | .38366 | .02607 | .37461 |
| #1 | 406.93 | 4421.5 | 4450.3 | 6442.2 |
| #2 | 407.16 | 4397.6 | 4451.9 | 6476.4 |

Check ? Value Range
 None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2739. | -.9826 | 460.6 | 746.1 |
| Stddev | 1. | 2.071 | 3.6 | 1.1 |
| %RSD | .0263 | 210.8 | .7742 | .1427 |
| #1 | 2739. | .4821 | 458.0 | 745.4 |
| #2 | 2740. | -2.447 | 463.1 | 746.9 |

Check ? Value Range
 None None None None

Sample Name: 829621 Acquired: 5/21/2010 14:54:29 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.108 | 114500. | 68.37 | 37.55 | 843.5 |
| Stddev | .708 | 304. | 1.59 | .10 | 8.0 |
| %RSD | 33.60 | .2652 | 2.327 | .2592 | .9442 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -2.609 | 114700. | 67.24 | 37.62 | 849.2 |
| #2 | -1.607 | 114300. | 69.49 | 37.48 | 837.9 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.64 | 164500. | 2.766 | 93.82 | 253.6 |
| Stddev | .03 | 265. | .107 | .32 | .2 |
| %RSD | .2864 | .1607 | 3.854 | .3363 | .0710 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 10.66 | 164700. | 2.841 | 93.60 | 253.5 |
| #2 | 10.61 | 164300. | 2.691 | 94.05 | 253.7 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829621 Acquired: 5/21/2010 14:54:29 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 219.6 | 235300. | 19260. | 73820. | 4667. |
| Stddev | .8 | 51. | 89. | 129. | 6. |
| %RSD | .3784 | .0215 | .4605 | .1744 | .1282 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 220.2 | 235300. | 19320. | 73910. | 4671. |
| #2 | 219.0 | 235300. | 19200. | 73730. | 4663. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 26.43 | 3609. | 196.6 | 7546. | 462.3 |
| Stddev | .11 | 11. | 1.6 | 3. | .6 |
| %RSD | .4032 | .3145 | .8225 | .0459 | .1231 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 26.51 | 3601. | 195.4 | 7544. | 462.7 |
| #2 | 26.36 | 3617. | 197.7 | 7549. | 461.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829621 Acquired: 5/21/2010 14:54:29 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.834 | -6.359 | 3290. | 7.175 | 921.9 |
| Stddev | .117 | 2.333 | 6. | .229 | 6.0 |
| %RSD | 1.496 | 36.69 | .1838 | 3.195 | .6520 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -7.751 | -8.009 | 3295. | 7.013 | 926.1 |
| #2 | -7.916 | -4.709 | 3286. | 7.337 | 917.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2505. | -2.645 | 355.5 | 850.0 |
| Stddev | 12. | .295 | .0 | 1.1 |
| %RSD | .4714 | 11.17 | .0031 | .1244 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2513. | -2.854 | 355.5 | 849.2 |
| #2 | 2496. | -2.436 | 355.5 | 850.7 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829621 Acquired: 5/21/2010 14:54:29 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 414.28 | 4448.1 | 4473.7 | 6409.6 |
| Stddev | 2.03 | 17.6 | 6.1 | 16.9 |
| %RSD | .48952 | .39645 | .13738 | .26308 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 412.85 | 4435.7 | 4469.3 | 6397.7 |
| #2 | 415.72 | 4460.6 | 4478.0 | 6421.6 |

Sample Name: 829622 Acquired: 5/21/2010 14:58:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9336 | 77250 | 50.76 | 21.45 | 328.4 |
| Stddev | .1237 | .217 | 2.92 | .48 | 5.2 |
| %RSD | 13.25 | .2811 | 5.755 | 2.239 | 1.587 |
| #1 | -8461 | 77090 | 52.82 | 21.79 | 332.1 |
| #2 | -1.021 | 77400 | 48.69 | 21.11 | 324.7 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.267 | 77680 | 1.988 | 57.31 | 201.4 |
| Stddev | .196 | .51 | .044 | .14 | .1 |
| %RSD | 2.696 | .0652 | 2.227 | .2425 | .0278 |
| #1 | 7.128 | 77640 | 2.019 | 57.40 | 201.5 |
| #2 | 7.405 | 77720 | 1.957 | 57.21 | 201.4 |

Check ? Value Range
 None None None None None

Sample Name: 829622 Acquired: 5/21/2010 14:58:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 152.8 | 166700 | 13420 | 63350 | 3110 |
| Stddev | .4 | 439 | 94 | 45 | |
| %RSD | .2577 | .2632 | .7012 | .0704 | .0074 |
| #1 | 152.5 | 167000 | 13490 | 63320 | 3110 |
| #2 | 153.1 | 166400 | 13350 | 63380 | 3110 |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.11 | 1601 | 152.7 | 5921 | 176.2 |
| Stddev | .30 | 13 | 4 | 17 | 2.5 |
| %RSD | 2.299 | .8253 | .2656 | .2930 | 1.423 |
| #1 | 13.32 | 1610 | 153.0 | 5933 | 177.9 |
| #2 | 12.90 | 1591 | 152.4 | 5908 | 174.4 |

Check ? Value Range
 None None None None None

Sample Name: 829622 Acquired: 5/21/2010 14:58:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.741 | -4.704 | 2685 | 7.603 | 509.0 |
| Stddev | .243 | 2.094 | .8 | .072 | 2.5 |
| %RSD | 6.502 | 44.51 | .3131 | .9429 | .4828 |
| #1 | -3.569 | -3.224 | 2691 | 7.553 | 507.2 |
| #2 | -3.913 | -6.185 | 2679 | 7.654 | 510.7 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2018 | -9392 | 341.3 | 632.2 |
| Stddev | 3 | 1.434 | .7 | 1.8 |
| %RSD | .1437 | 152.7 | .1989 | .2847 |
| #1 | 2020 | -1.953 | 341.8 | 633.4 |
| #2 | 2016 | .0750 | 340.8 | 630.9 |

Check ? Value Range
 None None None None

Sample Name: 829622 Acquired: 5/21/2010 14:58:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 421.58 | 4288.2 | 4343.7 | 6109.6 |
| Stddev | 4.37 | 7.3 | 21.6 | 2.3 |
| %RSD | 1.0372 | .17080 | .49637 | .03837 |
| #1 | 418.49 | 4283.0 | 4328.4 | 6107.9 |
| #2 | 424.68 | 4293.4 | 4358.9 | 6111.3 |

Check ? Value Range
 None None None None

Sample Name: 829623 Acquired: 5/21/2010 15:02:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.320 | 108400. | 75.39 | 28.45 | 657.7 |
| Stddev | .614 | 421. | .01 | .52 | 3.5 |
| %RSD | 26.45 | .3882 | .0131 | 1.825 | .5341 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -1.887 | 108100. | 75.40 | 28.82 | 655.2 |
| #2 | -2.754 | 108700. | 75.39 | 28.09 | 660.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.772 | 163600. | 2.126 | 78.26 | 266.6 |
| Stddev | .261 | 628. | .198 | .10 | .3 |
| %RSD | 2.668 | .3840 | 9.311 | .1224 | .1184 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 9.588 | 163200. | 1.986 | 78.32 | 266.8 |
| #2 | 9.957 | 164000. | 2.266 | 78.19 | 266.4 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829623 Acquired: 5/21/2010 15:02:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 206.4 | 231300. | 20420. | 78910. | 3737. |
| Stddev | .1 | 407. | 55. | 213. | 31. |
| %RSD | .0494 | .1758 | .2669 | .2693 | .8349 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 206.3 | 231100. | 20380. | 78760. | 3715. |
| #2 | 206.5 | 231600. | 20460. | 79060. | 3759. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.94 | 2134. | 206.3 | 6909. | 265.2 |
| Stddev | .13 | 1. | .4 | 11. | 4.5 |
| %RSD | .9152 | .0285 | .1911 | .1611 | 1.679 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 14.03 | 2134. | 206.0 | 6901. | 262.0 |
| #2 | 13.85 | 2133. | 206.6 | 6917. | 268.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829623 Acquired: 5/21/2010 15:02:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.456 | -7.107 | 2521. | 5.066 | 817.0 |
| Stddev | 1.197 | 4.557 | .3 | .565 | .3 |
| %RSD | 18.54 | 64.12 | .1310 | 11.15 | .0320 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -5.610 | -10.33 | 2519. | 4.667 | 817.2 |
| #2 | -7.303 | -3.885 | 2524. | 5.465 | 816.8 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3175. | -1.036 | 485.7 | 845.8 |
| Stddev | 7. | .169 | .5 | .1 |
| %RSD | .2171 | 16.34 | .0928 | .0079 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3170. | -1.155 | 485.3 | 845.8 |
| #2 | 3180. | -.9161 | 486.0 | 845.9 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829623 Acquired: 5/21/2010 15:02:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 414.89 | 4343.3 | 4393.2 | 6257.4 |
| Stddev | 5.79 | 7.8 | 1.0 | 18.3 |
| %RSD | 1.3945 | .17952 | .02316 | .29255 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 418.98 | 4337.7 | 4392.5 | 6270.3 |
| #2 | 410.80 | 4348.8 | 4393.9 | 6244.4 |

Sample Name: 829623L Acquired: 5/21/2010 15:06:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.897 | 119200. | 79.15 | 31.19 | 730.2 |
| Stddev | 1.383 | 403. | 3.67 | .85 | 10.4 |
| %RSD | 20.05 | .3384 | 4.641 | 2.736 | 1.425 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -7.875 | 119500. | 76.55 | 31.79 | 737.6 |
| #2 | -5.919 | 118900. | 81.75 | 30.59 | 722.9 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (106) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.66 | 180500. | 2.535 | 88.86 | 290.8 |
| Stddev | .28 | 610. | .605 | .39 | .7 |
| %RSD | 2.648 | .3380 | 23.65 | .4432 | .2277 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 10.46 | 180900. | 2.108 | 89.14 | 290.3 |
| #2 | 10.86 | 180100. | 2.963 | 88.58 | 291.2 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829623L Acquired: 5/21/2010 15:06:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 220.1 | 253500. | 22620. | 87400. | 4149. |
| Stddev | 1.4 | 328. | 143. | 34. | 2. |
| %RSD | .6234 | .1293 | .6307 | .0389 | .0538 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 219.1 | 253700. | 22720. | 87420. | 4148. |
| #2 | 221.1 | 253300. | 22510. | 87380. | 4151. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 15.90 | 2357. | 226.9 | 7557. | 281.0 |
| Stddev | .39 | 146. | 1.0 | 22. | 1.9 |
| %RSD | 2.477 | 6.208 | .4188 | .2846 | .6695 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 16.18 | 2460. | 227.6 | 7572. | 279.6 |
| #2 | 15.62 | 2254. | 226.2 | 7542. | 282.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829623L Acquired: 5/21/2010 15:06:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.763 | -7.065 | 3084. | 7.042 | 907.8 |
| Stddev | 1.129 | 4.639 | 6. | 1.618 | 9.5 |
| %RSD | 30.01 | 65.67 | .1950 | 22.98 | 1.046 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 4.562 | -3.785 | 3080. | 5.898 | 914.5 |
| #2 | 2.964 | -10.35 | 3089. | 8.187 | 901.1 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3366. | -8.423 | 518.2 | 938.9 |
| Stddev | 3. | 7.644 | 3.8 | 2.3 |
| %RSD | .1037 | 90.75 | .7315 | .2408 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3369. | -13.83 | 515.5 | 937.3 |
| #2 | 3364. | -3.018 | 520.9 | 940.5 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829623L Acquired: 5/21/2010 15:06:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 440.68 | 4231.0 | 4267.5 | 5946.1 |
| Stddev | 1.54 | 5.8 | 1.9 | 48.0 |
| %RSD | .35037 | .13745 | .04537 | .80698 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 441.77 | 4235.1 | 4266.1 | 5912.2 |
| #2 | 439.59 | 4226.9 | 4268.9 | 5980.1 |

Sample Name: 829623MS Acquired: 5/21/2010 15:10:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 43.83 | 99890. | 113.9 | 412.1 | 2315. |
| Stddev | .90 | 229. | .6 | .5 | 5. |
| %RSD | 2.063 | .2290 | .5428 | .1243 | .2372 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 44.46 | 98730. | 113.4 | 411.7 | 2311. |
| #2 | 43.19 | 100000. | 114.3 | 412.5 | 2319. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 58.50 | 147300. | 48.28 | 463.1 | 431.5 |
| Stddev | .17 | 54. | .25 | .0 | .6 |
| %RSD | .2967 | .0366 | .5259 | .0007 | .1365 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 58.62 | 147200. | 48.10 | 463.1 | 432.0 |
| #2 | 58.38 | 147300. | 48.46 | 463.1 | 431.1 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829623MS Acquired: 5/21/2010 15:10:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 427.1 | 214800. | 18050. | 70340. | 3861. |
| Stddev | 1.8 | 446. | 23. | 198. | 1. |
| %RSD | .4147 | .2076 | .1275 | .2820 | .0241 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 425.8 | 214500. | 18070. | 70200. | 3862. |
| #2 | 428.3 | 215100. | 18040. | 70480. | 3860. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 446.5 | 2000. | 609.2 | 6747. | 430.1 |
| Stddev | 1.1 | .0 | 1.6 | 3. | .2 |
| %RSD | .2571 | .0017 | .2623 | .0508 | .0357 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 445.7 | 2000. | 610.3 | 6745. | 430.2 |
| #2 | 447.3 | 2000. | 608.0 | 6749. | 430.0 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829623MS Acquired: 5/21/2010 15:10:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 173.9 | 39.04 | 2840. | 443.0 | 1153. |
| Stddev | .4 | 2.54 | 19. | .8 | 18. |
| %RSD | .2328 | 6.508 | .6598 | .1751 | 1.540 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 174.2 | 37.25 | 2826. | 443.6 | 1140. |
| #2 | 173.6 | 40.84 | 2853. | 442.5 | 1165. |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3307. | 55.36 | 899.2 | 1191. |
| Stddev | 5. | 1.31 | .9 | 1. |
| %RSD | .1401 | 2.371 | .0962 | .0656 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3304. | 54.44 | 898.6 | 1191. |
| #2 | 3310. | 56.29 | 899.8 | 1190. |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829623MS Acquired: 5/21/2010 15:10:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 416.31 | 4374.4 | 4414.1 | 6272.2 |
| Stddev | 4.22 | 2.4 | 23.5 | 26.8 |
| %RSD | 1.0137 | .05393 | .53333 | .42760 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 413.33 | 4372.7 | 4397.5 | 6253.3 |
| #2 | 419.30 | 4376.1 | 4430.7 | 6291.2 |

Sample Name: 829623DP Acquired: 5/21/2010 15:14:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|---------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.120 | 93380. | 69.36 | 24.97 | 504.4 |
| Stddev | .336 | 565. | .70 | .27 | 1.5 |
| %RSD | 30.02 | .6054 | 1.012 | 1.081 | .2961 |
| #1 | -8821 | 93780. | 68.87 | 24.78 | 505.5 |
| #2 | -1.358 | 92980. | 69.86 | 25.16 | 503.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|---------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.464 | 138700. | 2.025 | 72.48 | 230.9 |
| Stddev | .073 | 825. | .225 | .30 | .0 |
| %RSD | .8673 | .5946 | 11.12 | 4.089 | .0106 |
| #1 | 8.412 | 139300. | 1.866 | 72.27 | 230.9 |
| #2 | 8.516 | 138100. | 2.184 | 72.69 | 230.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829623DP Acquired: 5/21/2010 15:14:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|---------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 184.2 | 209300. | 18360. | 68320. | 3749. |
| Stddev | .3 | 273. | 18. | 614. | 62. |
| %RSD | .1731 | .1305 | .0968 | .8983 | 1.653 |
| #1 | 183.9 | 209500. | 18370. | 68750. | 3705. |
| #2 | 184.4 | 209100. | 18340. | 67880. | 3793. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|---------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.56 | 1852. | 181.4 | 5924. | 225.6 |
| Stddev | .57 | 15. | .6 | 4. | .4 |
| %RSD | 2.748 | .8138 | .3535 | .0733 | .1686 |
| #1 | 20.96 | 1862. | 181.8 | 5921. | 225.3 |
| #2 | 20.16 | 1841. | 180.9 | 5927. | 225.8 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829623DP Acquired: 5/21/2010 15:14:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|---------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.540 | -4.699 | 2240. | 6.762 | 702.4 |
| Stddev | .544 | 2.430 | .8. | .819 | 13.7 |
| %RSD | 9.826 | 51.73 | .3568 | 12.12 | 1.955 |
| #1 | -5.155 | -2.980 | 2235. | 7.341 | 712.2 |
| #2 | -5.925 | -6.417 | 2246. | 6.182 | 692.7 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|---------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2710. | -.2452 | 447.2 | 734.7 |
| Stddev | 2. | .3241 | 1.1 | 1.1 |
| %RSD | .0714 | 132.2 | .2531 | .1438 |
| #1 | 2711. | -.0160 | 448.0 | 733.9 |
| #2 | 2709. | -.4743 | 446.4 | 735.4 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829623DP Acquired: 5/21/2010 15:14:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 416.55 | 4345.4 | 4371.7 | 6197.3 |
| Stddev | 4.45 | 5.8 | 14.7 | 97.2 |
| %RSD | 1.0692 | .13391 | .33517 | 1.5691 |
| #1 | 419.70 | 4349.5 | 4382.1 | 6128.6 |
| #2 | 413.40 | 4341.3 | 4361.4 | 6266.1 |

Sample Name: CCV Acquired: 5/21/2010 15:18:26 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Be-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.70 | 30480. | 100.9 | 712.5 | 198.1 |
| Stddev | .57 | 88. | 3.4 | 1.2 | 6.6 |
| %RSD | .5730 | .2890 | 3.333 | .1630 | 3.308 |
| #1 | 99.10 | 30410. | 103.3 | 711.7 | 202.8 |
| #2 | 98.30 | 30540. | 98.54 | 713.4 | 193.5 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.3 | 30320. | 97.44 | 190.2 | 196.5 |
| Stddev | .1 | 239. | .20 | .2 | .6 |
| %RSD | .1174 | .7880 | .2096 | .0987 | .2935 |
| #1 | 101.4 | 30150. | 97.30 | 190.3 | 196.1 |
| #2 | 101.2 | 30490. | 97.59 | 190.1 | 196.9 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/21/2010 15:18:26 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 190.1 | 30930. | 30430. | 30490. | 192.9 |
| Stddev | .9 | 123. | 94. | 178. | 1.2 |
| %RSD | .4586 | .3983 | .3104 | .5846 | .6061 |
| #1 | 189.5 | 30840. | 30500. | 30360. | 192.1 |
| #2 | 190.7 | 31010. | 30370. | 30610. | 193.8 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 197.2 | 30620. | 187.8 | 208.2 | 406.2 |
| Stddev | 1.1 | 24. | .2 | .4 | 1.6 |
| %RSD | .5769 | .0790 | .0857 | .1695 | .4041 |
| #1 | 196.4 | 30600. | 187.9 | 207.9 | 405.0 |
| #2 | 198.0 | 30630. | 187.7 | 208.4 | 407.3 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/21/2010 15:18:26 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 299.5 | 101.6 | 1029. | 197.7 | 303.2 |
| Stddev | 3.0 | .6 | .2 | .7 | .3 |
| %RSD | 1.010 | .5535 | .1928 | .3355 | .0977 |
| #1 | 297.4 | 101.2 | 1027. | 198.1 | 303.0 |
| #2 | 301.7 | 102.0 | 1030. | 197.2 | 303.5 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 396.9 | 99.32 | 202.2 | 200.5 |
| Stddev | 1.1 | .95 | 1.6 | .0 |
| %RSD | .2673 | .9543 | .8062 | .0240 |
| #1 | 396.2 | 99.99 | 201.1 | 200.5 |
| #2 | 397.7 | 98.65 | 203.4 | 200.6 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/21/2010 15:18:26 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 426.33 | 4075.4 | 4136.6 | 5717.9 |
| Stddev | 1.67 | .4 | 9.2 | 12.5 |
| %RSD | .39066 | .00955 | .22185 | .21919 |
| #1 | 425.15 | 4075.7 | 4130.1 | 5709.0 |
| #2 | 427.51 | 4075.1 | 4143.1 | 5726.7 |

Sample Name: CCB Acquired: 5/21/2010 15:22:16 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6922 | 18.41 | -1.521 | 1.568 | -3600 |
| Stddev | .5638 | 13.72 | 1.376 | .808 | 3.288 |
| %RSD | 81.45 | 74.51 | 90.49 | 51.52 | 913.1 |
| #1 | -2935 | 8.711 | -2.494 | .9964 | -2.685 |
| #2 | -1.091 | 28.11 | -.5478 | 2.139 | 1.965 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0102 | 66.43 | -.0467 | -.1174 | -.2185 |
| Stddev | .1713 | 57.98 | .0795 | .5529 | .0388 |
| %RSD | 1685. | 87.28 | 170.2 | 470.7 | 17.76 |
| #1 | .1313 | 107.4 | -.1029 | .2735 | -.2460 |
| #2 | -.1110 | 25.43 | .0095 | -.5084 | -.1911 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/21/2010 15:22:16 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.560 | 5.906 | 79.11 | 18.68 | .1620 |
| Stddev | .081 | 20.09 | 210.4 | 1.67 | .1012 |
| %RSD | 5.186 | 340.1 | 266.0 | 8.923 | 62.46 |
| #1 | -1.618 | -8.299 | 227.9 | 19.86 | .0905 |
| #2 | -1.503 | 20.11 | -69.69 | 17.50 | .2336 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6273 | 17.77 | .3826 | 3.031 | 1.006 |
| Stddev | .9384 | 25.66 | .1734 | .904 | 2.628 |
| %RSD | 149.6 | 144.4 | 45.31 | 29.82 | 261.3 |
| #1 | 1.291 | -.3686 | .2600 | 2.392 | 2.864 |
| #2 | -.0363 | 35.92 | .5052 | 3.671 | -.8525 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/21/2010 15:22:16 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (453) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4151 | .1777 | 5.111 | -.7546 | .0810 |
| Stddev | .5662 | 3.565 | .004 | 1.004 | .0109 |
| %RSD | 136.4 | 2006. | .0698 | 133.1 | 13.46 |
| #1 | .0148 | 2.699 | 5.114 | -.0444 | .0887 |
| #2 | .8155 | -2.343 | 5.109 | -1.465 | .0733 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Th-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.3023 | -2.001 | -.8446 | .2426 |
| Stddev | .4286 | 1.248 | .7103 | .1141 |
| %RSD | 141.8 | 62.38 | 84.11 | 47.05 |
| #1 | -.6053 | -1.119 | -1.347 | .3233 |
| #2 | .0008 | -2.884 | -.3423 | .1619 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/21/2010 15:22:16 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 447.95 | 4120.7 | 4208.5 | 5712.8 |
| Stddev | 3.91 | .0 | 27.5 | 30.2 |
| %RSD | .87238 | .00064 | .65374 | .52852 |
| #1 | 445.19 | 4120.7 | 4189.0 | 5691.5 |
| #2 | 450.72 | 4120.7 | 4227.9 | 5734.2 |



Sample Preparation – Metals

METALS DIGESTION LOG

| Batch Information: | | | Method Information: | | | Reagent & Standard Traceability: | | | | |
|--------------------|----------------------|-------------------------------|---------------------|------------------------------|---|---|----------------------------|-------|---------|----------|
| Lab ID | Bottle ID | Digestion ¹ Amount | Final Volume | Color | Clarity | Texture | Artifacts | Color | Clarity | Comments |
| 137214 | 137254 | | | | | | | | | |
| Date: 5/20/10 | Digestion Method(s): | ILM04.1 | ILM05.4 | HCl Tag ID: ME HCL A10-00014 | 10 mL | LCS Lot # MES/KE# 00003, ME/CS# 00003, ME/5/11/11-00003 | | | | |
| Start Time: 10:30 | 3005AES | 3005MS | 3010AES | 3010MS | HNO ₃ Tag ID: MEH/03-00005 | 5 mL | Spike Added | 1.0 | 1.0 | 5.0 mL |
| Stop Time: 13:30 | 3050AES | 3050MS | 200.7 | 200.8 DW | 1:1 HCl Lot # N/A | mL | True Value | 5.0 | 5.0 | mg/L |
| Analyst: MS | TTMS | CEC | SAR | | 1:1 HNO ₃ Lot # ME/11 HNO ₃ -00004 | 10 mL | MS Lot #: ME/5/11/11-00003 | | | |
| Spike Analyst: MS | Matrix: | | | | 30% H ₂ O ₂ Lot # ME H ₂ O ₂ -00003 | 3+2 mL | Spike Added | 1.0 | 1.0 | mL |
| Spike Witness: JES | Water | Soil | Air | | 2% HNO ₃ Lot # N/A | mL | True Value | 5.0 | 5.0 | mg/L |
| 829330 | 1 | 1.00 | 100 | LT Brown | | | | | | |
| 829330MS | | 1.07 | | | | | | | | |
| 829330DP | | 1.15 | | | | | | | | |
| 829331 | | 1.05 | | | | | | | | |
| 829332 | | 1.17 | | | | | | | | |
| 829333 | | 1.08 | | | | | | | | |
| 829334 | | 1.10 | | | | | | | | |
| 829620 | | 1.00 | | | | | | | | |
| 829621 | | 1.36 | | | | | | | | |
| 829622 | | 1.34 | | | | | | | | |
| 829623 | | 1.22 | | | | | | | | |
| 829623MS | | 1.38 | | | | | | | | |
| 829623DP | | 1.35 | | | | | | | | |
| | | 1.25 | | | | | | | | |

¹Unless otherwise noted, the digestion amount is given in (mL) for waters and in (g) for solids and final volume is given in (mL)

Digestion Temperature: Block 1 95 °C Block 2 95 °C Block 3 95 °C Block 4 95 °C Block 5 95 °C Block 6 95 °C Block 7 95 °C Block 8 95 °C

BR-FME002:04.02.08:7

TestAmerica

Page 11 of 100

MS 5/20/10

| STANDARD TRACEABILITY RECORDS ICP-OES Instrument | | |
|---|-----------------------|--|
| Date: 5/21/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 052110-01 | JFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052110-02 | JFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | Lot Number | |
| Used for all methods | | |
| STD 7: | ME STD 7w 00012 | |
| STD 8: | ME STD 8w 00008 | |
| STD 4: | ME STD 4w 00012 | |
| ICV: | ME ICVw 00005 | |
| CCV: | ME CCVw 00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME 5% 2% RINSEw 00015 | |
| Internal Standard Solution: | ME ICP? ISw 00007 | |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | ME 6010 ICSAw 00008 | |
| ICSAB 6010: | ME 6010 ABw 00001 | |
| CRI 6010: | ME 6010 CAIw 00006 | |
| DOD LRV Solution: | | |
| 6010 Post Spiking Solution: | | |
| 5 PPM AG: | | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | | |
| ICSA ILM05.4: | | |
| ICSAB ILM05.4: | | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |



Sample Handling



DO NOT LIFT USING THIS TAG

| | | | |
|------------------------------------|--|-----------------------------|--|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number | |
| Company | | Dept / Floor / Suite / Room | |
| Street Address (1) | | City | |
| Emp# 580578 03MAY10 APAA | | © 2004 FedEx HE | |
| FedEx 0006 OF 0006 | | MPS# 0260 8716 0065 9992 | |
| Mstr# 8675 7103 9650 0215 | | XH BTVA | |

TUE - 04 MAY AA
PRIORITY OVERNIGHT

05403
VT-US
BTB



DO NOT LIFT USING THIS TAG

| | | | |
|------------------------------------|--|--------------------------|--|
| TO (Recipient's Name) Please Print | | Recipient's Phone Number | |
| Company | | Dept / Suite / Room | |
| Street | | City | |
| Emp# 580578 03MAY10 APAA | | © 2004 Fed | |
| FedEx 0005 OF 0006 | | MPS# 0260 8716 0066 0003 | |
| Mstr# 8675 7103 9650 0215 | | XH BTVA | |

TUE - 04 MAY AA
PRIORITY OVERNIGHT

05403
VT-US
BTB



TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

| | | |
|---|---------------------------------|----------------------------------|
| Client: <u>CRSCOD</u> | Date Received: <u>05/04/10</u> | Log In Date: <u>05/06/10</u> |
| ETR: <u>137214</u> | Time Received: <u>10:15</u> | By: <u>[Signature]</u> |
| SDG: <u>137214</u> | Received By: <u>[Signature]</u> | Signature: <u>[Signature]</u> |
| Project: <u>290040</u> | # Coolers Received: <u>6</u> | PM Signature: <u>[Signature]</u> |
| Samples Delivered By: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand <input type="checkbox"/> Other (specify): | | Date: <u>05/10/10</u> |
| List Air bill Number(s) or Attach a photocopy of the Air Bill: | | |

| COOLER SCREEN | YES | NO | NA | COMMENTS |
|--|-------------------------------------|-------------------------------------|----|----------|
| There is no evidence to indicate tampering | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seals are present and intact | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Custody seal numbers are present | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| If yes, list custody seal numbers: | | | | |

| | | | | | |
|--|---------------------------------------|---------------|---------------|---------------|---------------|
| Thermal Preservation Type: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other (specify): | | | | | |
| IR Gun ID: <u>96</u> | Correction Factor (CF) = <u>-2</u> °C | | | | |
| Cooler 1: <u>2.0</u> °C | Cooler 6: <u>4.3</u> °C | Cooler 11: °C | Cooler 16: °C | Cooler 21: °C | Cooler 26: °C |
| Cooler 2: <u>2.2</u> °C | Cooler 7: °C | Cooler 12: °C | Cooler 17: °C | Cooler 22: °C | Cooler 27: °C |
| Cooler 3: <u>4.2</u> °C | Cooler 8: °C | Cooler 13: °C | Cooler 18: °C | Cooler 23: °C | Cooler 28: °C |
| Cooler 4: <u>0.6</u> °C | Cooler 9: °C | Cooler 14: °C | Cooler 19: °C | Cooler 24: °C | Cooler 29: °C |
| Cooler 5: <u>2.8</u> °C | Cooler 10: °C | Cooler 15: °C | Cooler 20: °C | Cooler 25: °C | Cooler 30: °C |

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun

EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.

Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

| SAMPLE CONDITION | YES | NO | NA | COMMENTS |
|---|-------------------------------------|----|----|----------|
| Sample containers were received intact | <input checked="" type="checkbox"/> | | | |
| Legible sample labels are affixed to each container | <input checked="" type="checkbox"/> | | | |
| CHAIN OF CUSTODY (COC) | YES | NO | NA | COMMENTS |

| | | | | |
|---|-------------------------------------|--|-------------------------------------|--|
| COC is present and includes the following information for each container: | | | | |
| • Sample ID / Sample Description | <input checked="" type="checkbox"/> | | | |
| • Date of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Time of Sample Collection | <input checked="" type="checkbox"/> | | | |
| • Identification of the Sampler | <input checked="" type="checkbox"/> | | | |
| • Preservation Type | | | <input checked="" type="checkbox"/> | |
| • Requested Tests Method(s) | <input checked="" type="checkbox"/> | | | |
| • Necessary Signatures | <input checked="" type="checkbox"/> | | | |

Internal Chain of Custody (ICOC) Required ☒

If yes to above, ICOC Record initiated for every Worksheet ☒

| SAMPLE INTEGRITY / USABILITY | YES | NO | NA | COMMENTS |
|---|-------------------------------------|----|-------------------------------------|----------|
| The sample container matches the COC | <input checked="" type="checkbox"/> | | | |
| Appropriate sample containers were received for the tests requested | <input checked="" type="checkbox"/> | | | |
| Samples were received within holding time | <input checked="" type="checkbox"/> | | | |
| Sufficient amount of sample is provided for requested analyses | <input checked="" type="checkbox"/> | | | |
| VDA vials do not have headspace or a bubble >6mm (1/4" diameter) | | | <input checked="" type="checkbox"/> | |
| Appropriate preservatives were used for the tests requested | | | <input checked="" type="checkbox"/> | |
| pH of inorganic samples checked and is within method specification | | | <input checked="" type="checkbox"/> | |
| If no, attach Inorganic Sample pH Adjustment Form | | | <input checked="" type="checkbox"/> | |

ANOMALY / NCR SUMMARY:

All evidence for this log in received in 2 of 6 cooler at 2.2°C and 4.3°C, copies of air bills attached.

QC IDs directed E by m, all by m's removed due to high.

TestAmerica
South Burlington, VT
Extended Data Package

137254

TestAmerica Laboratories, Inc.

June 7, 2010

Ms. Sheri O'Conner
URS Operating Services, Inc.
1099 18th Street
Suite 710
Denver, CO 80202

Re: Laboratory Project No. 29000
Case: CMIS&V; SDG: 137254

Dear Ms. O'Conner:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 5th, 2010. Laboratory identification numbers were assigned, and designated as follows:

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Sample Date</u> | <u>Sample Matrix</u> |
|-----------------------------------|-----------------------------|------------------------|--------------------------|
| Received: 05/05/10 ETR No: 137254 | | | |
| 829620 | BA1-T01N-SOL | 04/28/10 | SOIL |
| 829621 | BA2-T01N-SOL | 04/28/10 | SOIL |
| 829622 | BA3-T01N-SOL | 04/28/10 | SOIL |
| 829623 | BA4-T01N-SOL | 04/28/10 | SOIL |

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Total Molybdenum by SW-846 6010B

There were no exceptions to the method quality control criteria encountered during the analysis of these samples.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.



If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

A handwritten signature in black ink, appearing to read 'Joseph Carabillo', is written over a light gray rectangular background.

Joseph Carabillo
Project Manager

cc:

Continuation...

| | |
|---|------------|
| Chain of Custody..... | 2 |
| Sample Report Summary Wet Chemistry | 4 |
| Supportive Documentation Wet Chemistry | 9 |
| Sample Report Summary Metals | 12 |
| QC Summary Metals | 18 |
| Supportive Documentation Metals | 38 |
| Sample Preparation Metals | 88 |
| Particle Size Results | 91 |
| Sample Handling | 104 |

TestAmerica Burlington Data Qualifier Definitions

Organic

- U: Compound analyzed but not detected at a concentration above the reporting limit.
- J: Estimated value.
- N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.
- P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.
- CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.
- C: Pesticide result whose identification has been confirmed by GC/MS.
- B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.
- E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.
- D: Concentrations identified from analysis of the sample at a secondary dilution.
- A: Tentatively identified compound is a suspected aldol condensation product.
- X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

- E: Reported value is estimated due to the presence of interference.
- N: Matrix spike sample recovery is not within control limits.
- * Duplicate sample analysis is not within control limits.
- B: The result reported is less than the reporting limit but greater than the instrument detection limit.
- U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

- P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

FQA009:02.18.08:4
TestAmerica Burlington



Chain of Custody

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sampler ID _____
 Temperature on Receipt _____
 Drinking Water? Yes ☐ No ☒

Chain of Custody Record

TAL-4124-280 (0508)

| | | | | | | | |
|--|-------------|---|---------------------------------------|--|--|-----------------------------------|--|
| Client URS Corp. | | Project Manager Marc Soellner | | Date 05/04/10 | | Chain of Custody Number 109247 | |
| Address 8181 E. Tufts Ave | | Telephone Number (Area Code)/Fax Number (303) 740-3909 | | Lab Number | | Page 1 of 1 | |
| City Denver | State CO | Zip Code 80237 | Site Contact Sheri O'Connor | Analysis (Attach list if more space is needed) | | | |
| Project Name and Location (State) CMI soil + Vegetation Sampling (New Mexico) | | | Lab Contact Carrier/Waybill Number | Special Instructions/ Conditions of Receipt | | | |
| Contract/Purchase Order/Quote No. | | | | | | | |

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix | | Containers & Preservatives | | | | | | | | | |
|---|----------|------|---------|------|----------------------------|---------|-------|------|-----|------|-----------|--|--|--|
| | | | Aqueous | Sed. | Soil | Unpres. | H2SO4 | HNO3 | HCl | NaOH | ZnAc/NaOH | | | |
| BA1- TOIN - SOL | 04/29/10 | 0900 | | | X | | | | | | | | | |
| BA2- TOIN - SOL | | 0910 | | | | | | | | | | | | |
| BA3- TOIN - SOL | | 0920 | | | | | | | | | | | | |
| BA4- TOIN - SOL | | 0935 | | | | | | | | | | | | |

ASTM D 422 X

EB 05/04/10

* See attached instructions

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☒ Unknown ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
 Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other per work order

1. Relinquished By
 Date 05/04/10 Time 1500
 Signature: [Signature]

2. Relinquished By
 Date _____ Time _____

3. Relinquished By
 Date _____ Time _____

Comments

1. Received By
 Date 05/07/10 Time 1200
 Signature: [Signature]

2. Received By
 Date _____ Time _____

3. Received By
 Date _____ Time _____

(A fee may be assessed if samples are retained longer than 1 month)

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



Sample Report Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

BA1-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137254

Lab Code: TALVT

Case No.: CMIS&V

Lab Sample ID: 829620

Matrix: SOIL

Client: URSCOD

Date Received: 05/05/10

% Solids: 99.3

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 06/03/10 | | % | 1 | 0.10 | 99.3 | |

Printed on: 06/04/10 08:54 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

BA2-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137254

Lab Code: TALVT

Case No.: CMIS&V

Lab Sample ID: 829621

Matrix: SOIL

Client: URSCOD

Date Received: 05/05/10

% Solids: 98.7

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 06/03/10 | | % | 1 | 0.10 | 98.7 | |

Printed on: 06/04/10 08:54 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

BA3-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137254

Lab Code: TALVT

Case No.: CMIS&V

Lab Sample ID: 829622

Matrix: SOIL

Client: URSCOD

Date Received: 05/05/10

% Solids: 99.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 06/03/10 | | % | 1 | 0.10 | 99.1 | |

Printed on: 06/04/10 08:54 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

BA4-T01N-SOL

Lab Name: TestAmerica Burlington

Contract: 22241609.02

SDG No.: 137254

Lab Code: TALVT

Case No.: CMIS&V

Lab Sample ID: 829623

Matrix: SOIL

Client: URSCOD

Date Received: 05/05/10

% Solids: 99.1

| Method | Parameter | Analytical Run Date | Analytical Batch | Units | DF | RL | Conc. | Qual. |
|--------|-----------------|---------------------|------------------|-------|----|------|-------|-------|
| IN623 | Solids, Percent | 08/03/10 | | % | 1 | 0.10 | 99.1 | |

Printed on: 06/04/10 08:54 AM



Supportive Documentation – Wet Chemistry



Wet Chemistry Raw Data

Solids, Percent



Sample Report Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254

SOW No.: _____

| EPA Sample No. | Lab Sample ID. |
|----------------------|-----------------|
| <u>BA1-T01N-SOL</u> | <u>829620</u> |
| <u>BA2-T01N-SOL</u> | <u>829621</u> |
| <u>BA3-T01N-SOL</u> | <u>829622</u> |
| <u>BA4-T01N-SOL</u> | <u>829623</u> |
| <u>BA4-T01N-SOLD</u> | <u>829623DP</u> |
| <u>BA4-T01N-SOLS</u> | <u>829623MS</u> |

Were ICP interelement corrections applied? Yes/No YESWere ICP background corrections applied? Yes/No YESIf yes-were raw data generated before
application of background corrections? Yes/No NOComments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

COVER PAGE - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BA1-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254
Matrix (soil/water): SOIL Lab Sample ID: 829620
Level (low/med): LOW Date Received: 5/5/2010
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 1.4 | | | P |

Color Before: light brown Clarity Before: _____ Texture: fineColor After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BA2-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254
Matrix (soil/water): SOIL Lab Sample ID: 829621
Level (low/med): LOW Date Received: 5/5/2010
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 2.0 | | | P |

Color Before: light brown Clarity Before: _____ Texture: fineColor After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BA3-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254
Matrix (soil/water): SOIL Lab Sample ID: 829622
Level (low/med): LOW Date Received: 5/5/2010
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 1.1 | | | P |

Color Before: light brown Clarity Before: _____ Texture: fineColor After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN

USEPA-CLP FORMS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

BA4-T01N-SOL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254
Matrix (soil/water): SOIL Lab Sample ID: 829623
Level (low/med): LOW Date Received: 5/5/2010
% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|------------|---------------|---|---|---|
| 7439-98-7 | Molybdenum | 1.0 | | | P |

Color Before: light brown Clarity Before: _____ Texture: fineColor After: light yellow Clarity After: clear Artifacts: _____

Comments: _____

Form I - IN



QC Summary – Metals

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137254
 Initial Calibration Source: Inorganic Ventures/Fisher
 Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|--------|-------|------------------------|--------|-------|--------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | 500.0 | 518.20 | 103.6 | 200.0 | 200.30 | 100.2 | 198.80 | 99.4 | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137254
Initial Calibration Source: Inorganic Ventures/Fisher
Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

| Analyte | Initial Calibration | | | Continuing Calibration | | | | | M |
|------------|---------------------|-------|-------|------------------------|--------|-------|-------|-------|---|
| | True | Found | %R(1) | True | Found | %R(1) | Found | %R(1) | |
| Molybdenum | | | | 200.0 | 197.20 | 98.6 | | | P |

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Form II (Part 1) - IN

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

| Analyte | | | | CRDL Standard for ICP | | | | |
|------------|------|-------|----|-----------------------|-------|-------|-------|----|
| | True | Found | %R | Initial | | Final | | |
| | | | | True | Found | %R | Found | %R |
| Molybdenum | | | | 10.0 | 13.65 | 136.5 | | |

Control Limits: no limits have been established by EPA at this time

Form IIB-IN

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254Preparation Blank Matrix (soil/water): SOLIDPreparation Blank Concentration Units (ug/L or mg/kg): MG/KG

| Analyte | Initial Calib. Blank (ug/L) | Continuing Calibration Blank (ug/L) | | | | | | Preparation Blank | M |
|------------|--------------------------------------|--|-------|-------|--|--|--|----------------------|---|
| | | 1 | 2 | 3 | | | | | |
| | C | C | C | C | | | | C | |
| Molybdenum | 2.1 B | 1.0 B | 0.7 B | 0.6 B | | | | 0.047 U | P |

Form III - IN

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254ICP ID Number: TJA ICAP 7 ICS Source: Inorganic VenturesConcentration Units: ug/L

| Analyte | True | | Initial Found | | | Final Found | | |
|------------|-------|--------|---------------|--------|-------|-------------|--------|----|
| | Sol.A | Sol.AB | Sol.A | Sol.AB | %R | Sol.A | Sol.AB | %R |
| Molybdenum | 0 | 986 | 0 | 992.5 | 100.7 | | | |

Form IV - IN

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

BA4-T01N-SOLS

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 100.0Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) | C | Sample Result (SR) | C | Spike Added (SA) | %R | Q | M |
|------------|---------------------|-------------------------------|---|-----------------------|---|---------------------|------|---|---|
| Molybdenum | 80 - 120 | 33.0741 | | 1.0101 | | 37.04 | 86.6 | | P |

Comments:

Form V (PART 1) - IN

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

BA4-T01N-SOLD

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254Matrix (soil/water): SOIL Level (low/med): LOW% Solids for Sample: 100.0 % Solids for Duplicate: 100.0Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit | Sample (S) | C | Duplicate (D) | C | RPD | Q | M |
|------------|------------------|------------|---|---------------|---|------|---|---|
| Molybdenum | 0.7 | 1.0101 | | 1.6448 | | 47.8 | | P |

Form VI - IN

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137254Solid LCS Source: Inorganic VenturesAqueous LCS Source:

| Analyte | Aqueous (ug/L) | | | Solid (mg/kg) | | | | |
|------------|----------------|-------|----|---------------|-------|---|-------------|------|
| | True | Found | %R | True | Found | C | Limits | %R |
| Molybdenum | | | | 50.0 | 49.3 | | 40.0 60.0 | 98.6 |

Form VII - IN

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

BA4-T01N-SOLL

Lab Name: TestAmerica Burlington Contract: 29000
Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254
Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample Result (I) | | Serial Dilution Result (S) | | % Differ- ence | Q | M |
|------------|------------------------------|--|-------------------------------|---|-------------------|---|---|
| | C | | C | | | | |
| Molybdenum | 13.94 | | 15.90 | B | 14.1 | | P |

Form IX - IN

USEPA-CLP FORMS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number: _____

Furnace AA ID Number: _____

| Analyte | Wave-length (nm) | Back-ground | CRDL (ug/L) | IDL (ug/L) | M |
|------------|---------------------|-------------|----------------|---------------|---|
| Molybdenum | 202.030 | | 10 | 0.47 | P |

Comments:

Form X - IN

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|------------|
| | | Al | Ca | Fe | Mg | Ag |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | -0.0010006 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0530902 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | -0.0000336 | 0.0000000 | 0.0000000 | 0.0002388 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001735 |
| Molybdenum | 202.030 | 0.0588018 | 0.0000000 | 0.0009164 | 0.0070064 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0043119 | -0.0001740 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0049409 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|------------|-----------|------------|
| | | As | B | Be | Cd | Co |
| Aluminum | 308.215 | 0.0000079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0033805 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0003363 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | -0.0160924 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0019468 | 0.0603189 | 0.0000000 | 0.0000000 | -0.0017009 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001510 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | -0.0009648 | 0.0000000 | 0.0019415 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0002205 | 0.0000472 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|-----------|-----------|-----------|-----------|
| | | Cr | Cu | Mn | Na | Ni |
| Aluminum | 308.215 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | -0.0004684 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 324.754 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000000 | 0.0000284 | 0.0000000 | 0.0000000 | 0.0000282 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000179 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001041 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Molybdenum | 202.030 | -0.0001893 | 0.0002224 | 0.0000000 | 0.0000000 | 0.0006230 |
| Nickel | 231.604 | -0.0001218 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

IIA
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|-----------|-----------|------------|
| | | Pb | Sb | Se | Si | Tl |
| Aluminum | 308.215 | -0.0000744 | 0.0000000 | 0.0000310 | 0.0000000 | 0.0000000 |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Boron | 249.678 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0128328 | 0.0000000 | 0.0041606 | 0.0003344 |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0015511 |
| Copper | 324.754 | -0.0036758 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Iron | 271.441 | 0.0000164 | 0.0000427 | 0.0000375 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Magnesium | 279.079 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0001152 | 0.0000000 | 0.0007821 | 0.0000000 | 0.0018096 |
| Molybdenum | 202.030 | -0.0022171 | -0.0021668 | 0.0005431 | 0.0008995 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Tin | 189.989 | 0.0000000 | -0.0077086 | 0.0000000 | 0.0000000 | 0.0000000 |
| Titanium | 334.941 | -0.0005674 | 0.0000000 | 0.0000000 | 0.0019090 | 0.0005625 |
| Vanadium | 292.402 | 0.0000000 | -0.0023318 | 0.0000000 | 0.0019249 | -0.0079209 |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

Comments: _____

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: CMIS&V SAS No.: SDG No.: 137254

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

| Analyte | Wave-length (nm) | Interelement Correction Factors for: | | | | |
|------------|------------------|--------------------------------------|------------|--|--|--|
| | | V | Zn | | | |
| Aluminum | 308.215 | 0.0000000 | 0.0000083 | | | |
| Antimony | 206.838 | 0.0000000 | 0.0000000 | | | |
| Arsenic | 189.042 | 0.0000000 | 0.0000000 | | | |
| Barium | 493.409 | 0.0000000 | 0.0000000 | | | |
| Beryllium | 313.042 | 0.0000000 | 0.0000000 | | | |
| Boron | 249.678 | 0.0000000 | 0.0000000 | | | |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | | | |
| Calcium | 317.933 | 0.0000000 | 0.0000000 | | | |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | | | |
| Cobalt | 228.616 | 0.0000000 | 0.0000000 | | | |
| Copper | 324.754 | 0.0000000 | 0.0001201 | | | |
| Iron | 271.441 | 0.0000241 | 0.0000599 | | | |
| Lead | 220.353 | 0.0000000 | 0.0000000 | | | |
| Magnesium | 279.079 | 0.0000000 | 0.0000300 | | | |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | | | |
| Molybdenum | 202.030 | -0.0184759 | -0.0002216 | | | |
| Nickel | 231.604 | 0.0000000 | 0.0047199 | | | |
| Phosphorus | 178.287 | 0.0000000 | 0.0000000 | | | |
| Potassium | 766.491 | 0.0000000 | 0.0000000 | | | |
| Selenium | 196.026 | 0.0000000 | 0.0000000 | | | |
| Silver | 328.068 | 0.0000000 | 0.0000000 | | | |
| Sodium | 330.232 | 0.0000000 | 0.0000000 | | | |
| Strontium | 421.552 | 0.0000000 | 0.0000000 | | | |
| Thallium | 190.864 | 0.0000000 | 0.0000000 | | | |
| Tin | 189.989 | 0.0000000 | 0.0000000 | | | |
| Titanium | 334.941 | 0.0009140 | -0.0008084 | | | |
| Vanadium | 292.402 | 0.0000000 | 0.0000000 | | | |
| Zinc | 206.200 | 0.0000000 | 0.0000000 | | | |

Comments: _____

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254ICP ID Number: TJA ICAP 7 Date: 4/1/2010

| Analyte | Integ. Time (Sec.) | Concentration (ug/L) | M |
|------------|--------------------------|-------------------------|---|
| Molybdenum | 60.00 | 50000.0 | P |

Comments: _____

Form XII - IN

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254Method: P

| EPA Sample No. | Preparation Date | Initial Weight (g) | Volume (mL) |
|-------------------|---------------------|-----------------------|----------------|
| BA1-T01N-SOL | 5/20/2010 | 1.36 | 100.0 |
| BA2-T01N-SOL | 5/20/2010 | 1.34 | 100.0 |
| BA3-T01N-SOL | 5/20/2010 | 1.22 | 100.0 |
| BA4-T01N-SOL | 5/20/2010 | 1.38 | 100.0 |
| BA4-T01N-SOLD | 5/20/2010 | 1.25 | 100.0 |
| BA4-T01N-SOLS | 5/20/2010 | 1.35 | 100.0 |
| LCSS052010A | 5/20/2010 | 1.00 | 100.0 |
| PBS052010A | 5/20/2010 | 1.00 | 100.0 |

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonContract: 29000Lab Code: STLVTCase No.: CMIS&V

SAS No.: _____

SDG No.: 137254Instrument ID Number: TJA ICAP 7Method: PStart Date: 5/21/2010End Date: 5/21/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|---|
| | | | | A L | S B | A S | B A | B E | C D | C A | C R | C O | C U | F E | P B | M G | M N | H G | N I | K E | S E | A G | N A | T L | V N | Z N | C N | | |
| S0 | 1.00 | 1317 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| STD7 | 1.00 | 1321 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 1324 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 1328 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| ICV | 1.00 | 1332 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| ICB | 1.00 | 1336 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| ICSA | 1.00 | 1340 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| ICSAB | 1.00 | 1344 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| CRI | 1.00 | 1348 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| CCV | 1.00 | 1352 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| CCB | 1.00 | 1355 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| PBS052010A | 1.00 | 1359 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| LCSS052010A | 1.00 | 1403 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| ZZZZZZ | 1.00 | 1407 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 1411 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1415 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1419 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1423 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1427 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1431 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 1434 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 1438 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| CCB | 1.00 | 1442 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| ZZZZZZ | 1.00 | 1446 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BA1-T01N-SOL | 1.00 | 1450 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| BA2-T01N-SOL | 1.00 | 1454 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| BA3-T01N-SOL | 1.00 | 1458 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| BA4-T01N-SOL | 1.00 | 1502 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| BA4-T01N-SOLL | 5.00 | 1506 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| BA4-T01N-SOLS | 1.00 | 1510 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| BA4-T01N-SOLD | 1.00 | 1514 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| CCV | 1.00 | 1518 | | | | | | | | | | | | | | | | | | | | | | | | | | | * |
| CCB | 1.00 | 1522 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Form XIV - IN

USEPA-CLP FORMS

-14-

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000
 Lab Code: STLVT Case No.: CMIS&V SAS No.: _____ SDG No.: 137254
 Instrument ID Number: TJA ICAP 7 Method: P
 Start Date: 5/21/2010 End Date: 5/21/2010

| EPA Sample No. | D/F | Time | % R | Analytes | | | | | | | | | | | | | | | |
|----------------------|------|-------|-----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|
| | | | | B U | A I | L O | M S | O S | P D | P T | P I | S I | S R | S N | S T | U I | W N | | |
| S0 | 1.00 | 13:17 | | | | X | | | | | | | | | | | | | |
| STD7 | 1.00 | 13:21 | | | | | | | | | | | | | | | | | |
| STD8 | 1.00 | 13:24 | | | | | | | | | | | | | | | | | |
| STD4 | 1.00 | 13:28 | | | | X | | | | | | | | | | | | | |
| ICV | 1.00 | 13:32 | | | | X | | | | | | | | | | | | | |
| ICB | 1.00 | 13:36 | | | | X | | | | | | | | | | | | | |
| ICSA | 1.00 | 13:40 | | | | X | | | | | | | | | | | | | |
| ICSAB | 1.00 | 13:44 | | | | X | | | | | | | | | | | | | |
| CRI | 1.00 | 13:48 | | | | X | | | | | | | | | | | | | |
| CCV | 1.00 | 13:52 | | | | X | | | | | | | | | | | | | |
| CCB | 1.00 | 13:55 | | | | X | | | | | | | | | | | | | |
| PBS052010A | 1.00 | 13:59 | | | | X | | | | | | | | | | | | | |
| LCSS052010A | 1.00 | 14:03 | | | | X | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 14:07 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 5.00 | 14:11 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 14:15 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 14:19 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 14:23 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 14:27 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 14:31 | | | | | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 14:34 | | | | | | | | | | | | | | | | | |
| CCV | 1.00 | 14:38 | | | | X | | | | | | | | | | | | | |
| CCB | 1.00 | 14:42 | | | | X | | | | | | | | | | | | | |
| ZZZZZZ | 1.00 | 14:46 | | | | | | | | | | | | | | | | | |
| BA1-T01N-SOL | 1.00 | 14:50 | | | | X | | | | | | | | | | | | | |
| BA2-T01N-SOL | 1.00 | 14:54 | | | | X | | | | | | | | | | | | | |
| BA3-T01N-SOL | 1.00 | 14:58 | | | | X | | | | | | | | | | | | | |
| BA4-T01N-SOL | 1.00 | 15:02 | | | | X | | | | | | | | | | | | | |
| BA4-T01N-SOLL | 5.00 | 15:06 | | | | X | | | | | | | | | | | | | |
| BA4-T01N-SOLS | 1.00 | 15:10 | | | | X | | | | | | | | | | | | | |
| BA4-T01N-SOLD | 1.00 | 15:14 | | | | X | | | | | | | | | | | | | |
| CCV | 1.00 | 15:18 | | | | X | | | | | | | | | | | | | |
| CCB | 1.00 | 15:22 | | | | X | | | | | | | | | | | | | |



Supportive Documentation – Metals



ICP Analysis - Metals

TestAmerica Burlington

Runlog Review Report

Analyzed by: TFS

Date: 5/21/2010

Reviewed by: *[Signature]*

Date: 5/21/10

QC Review by: *[Signature]*

Date: 5/21/10

TJA ICAP 7

ICP METALS 6010

QC use: Cal#:

Prep#

Inst#:

| Seq Sample ID | Analysis | | DF | Matrix | Data File | Prep Batch | Analyst Comments |
|-----------------|-----------|----------|----|--------|---------------|------------|------------------|
| | Date | Time | | | | | |
| 1. CalibStd-Blk | 5/21/2010 | 13:17:13 | 1 | WATER | 052110-02.txt | | |
| 2. STD7 | 5/21/2010 | 13:21:06 | 1 | WATER | 052110-02.txt | | |
| 3. STD8 | 5/21/2010 | 13:24:57 | 1 | WATER | 052110-02.txt | | |
| 4. STD4 | 5/21/2010 | 13:28:55 | 1 | WATER | 052110-02.txt | | |
| 5. ICV1 | 5/21/2010 | 13:32:54 | 1 | WATER | 052110-02.txt | | |
| 6. ICB1 | 5/21/2010 | 13:36:49 | 1 | WATER | 052110-02.txt | | |
| 7. ICSA1 | 5/21/2010 | 13:40:45 | 1 | WATER | 052110-02.txt | | |
| 8. ICSAB1 | 5/21/2010 | 13:44:33 | 1 | WATER | 052110-02.txt | | |
| 9. CRI1 | 5/21/2010 | 13:48:19 | 1 | WATER | 052110-02.txt | | |
| 10. CCV1 | 5/21/2010 | 13:52:10 | 1 | WATER | 052110-02.txt | | |
| 11. CCB1 | 5/21/2010 | 13:55:59 | 1 | WATER | 052110-02.txt | | |
| 12. PBS052010A | 5/21/2010 | 13:59:52 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 13. LCSS052010A | 5/21/2010 | 14:03:47 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 14. 829330 | 5/21/2010 | 14:07:40 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 15. 829330L | 5/21/2010 | 14:11:38 | 5 | WATER | 052110-02.txt | PBICPS0520 | |
| 16. 829330A | 5/21/2010 | 14:15:31 | 1 | WATER | 052110-02.txt | PBICPS0520 | |
| 17. 829330MS | 5/21/2010 | 14:19:25 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 18. 829330DP | 5/21/2010 | 14:23:20 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 19. 829331 | 5/21/2010 | 14:27:10 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 20. 829332 | 5/21/2010 | 14:31:01 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 21. 829333 | 5/21/2010 | 14:34:58 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 22. CCV2 | 5/21/2010 | 14:38:51 | 1 | WATER | 052110-02.txt | | |
| 23. CCB2 | 5/21/2010 | 14:42:40 | 1 | WATER | 052110-02.txt | | |
| 24. 829334 | 5/21/2010 | 14:46:33 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 25. 829620 | 5/21/2010 | 14:50:28 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 26. 829621 | 5/21/2010 | 14:54:29 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 27. 829622 | 5/21/2010 | 14:58:30 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 28. 829623 | 5/21/2010 | 15:02:30 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 29. 829623L | 5/21/2010 | 15:06:33 | 5 | WATER | 052110-02.txt | PBICPS0520 | |
| 30. 829623MS | 5/21/2010 | 15:10:25 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 31. 829623DP | 5/21/2010 | 15:14:25 | 1 | SOIL | 052110-02.txt | PBICPS0520 | |
| 32. CCV3 | 5/21/2010 | 15:18:26 | 1 | WATER | 052110-02.txt | | |
| 33. CCB3 | 5/21/2010 | 15:22:16 | 1 | WATER | 052110-02.txt | | |

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|---------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 227.30 | 0.0000 | | | | |
| STD4 | 1 | | 0.881 | 0.000 | 0.000 | 0.65 | 0.88 | | | | |
| ICV1 | 1 | PASS | 518.200 | 518.100 | 518.200 | 0.01 | 518.20 | 103.6 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 2.122 | 2.580 | 1.664 | 30.50 | 2.1 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | -0.101 | 0.014 | -0.217 | 161.30 | -0.10 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 992.500 | 988.900 | 996.000 | 0.50 | 992 | 100.6 | 986 | 80 | 120 |
| CRI1 | 1 | PASS | 13.650 | 14.050 | 13.260 | 4.11 | 13.65 | 136.5 | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 200.300 | 199.900 | 200.700 | 0.28 | 200.30 | 100.2 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 1.024 | 1.221 | 0.828 | 27.17 | 1.0 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 198.800 | 198.200 | 199.400 | 0.44 | 198.80 | 99.4 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.675 | 1.083 | 0.268 | 85.39 | 0.7 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 197.200 | 196.400 | 198.000 | 0.58 | 197.20 | 98.6 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.627 | 1.291 | -0.036 | 149.60 | 0.6 | | | | +/-10.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | 0.319 | 0.532 | 0.107 | 94.15 | 0.032 | | | | +/-10.00 |
| LCSS052010A | 1 | PASS | 493.200 | 492.800 | 493.600 | 0.11 | 49.3 | 98.6 | 50.0 | 40.0 | 60.0 |
| 829330 | 1 | PASS | 62.990 | 63.370 | 62.620 | 0.84 | 5.9 | | | | |
| 829330L | 5 | FAIL | 63.130 | 64.170 | 62.090 | 2.33 | 315.65 | | | | |
| 829330A | 1 | PASS | 545.900 | 545.800 | 546.000 | 0.03 | 545.90 | 96.6 | 500.0 | 80 | 120 |
| 829330MS | 1 | PASS | 538.400 | 537.800 | 539.000 | 0.16 | 46.8174 | 94.1 | 43.48 | 80 | 120 |
| 829330DP | 1 | PASS | 67.160 | 66.730 | 67.590 | 0.90 | 6.3962 | | | | |
| 829331 | 1 | PASS | 110.800 | 110.600 | 111.100 | 0.32 | 9.5 | | | | |
| 829332 | 1 | PASS | 258.000 | 257.400 | 258.700 | 0.36 | 23.9 | | | | |
| 829333 | 1 | PASS | 494.100 | 493.100 | 495.000 | 0.27 | 44.9 | | | | |
| 829334 | 1 | PASS | -0.192 | -0.228 | -0.156 | 26.40 | -0.019 | | | | |
| 829620 | 1 | PASS | 18.700 | 18.580 | 18.830 | 0.92 | 1.4 | | | | |
| 829621 | 1 | PASS | 26.430 | 26.510 | 26.360 | 0.40 | 2.0 | | | | |
| 829622 | 1 | PASS | 13.110 | 13.320 | 12.900 | 2.30 | 1.1 | | | | |
| 829623 | 1 | PASS | 13.940 | 14.030 | 13.850 | 0.92 | 1.0 | | | | |
| 829623L | 5 | PASS | 15.900 | 16.180 | 15.620 | 2.48 | 79.50 | | | | |
| 829623MS | 1 | PASS | 446.500 | 445.700 | 447.300 | 0.26 | 33.0741 | 86.6 | 37.04 | 80 | 120 |
| 829623DP | 1 | PASS | 20.560 | 20.960 | 20.160 | 2.75 | 1.6448 | | | | |

0.47
50,000
DAA052410

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7
ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|----------|-------|---------|--------|------------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | -0.029 | 0.000 | 0.000 | 6.41 | -0.029 | | | | |
| STD7 | 1 | | 5.656 | 0.000 | 0.000 | 0.27 | 5.7 | | | | |
| ICV1 | 1 | PASS | 25360.000 | 25280.000 | 25430.000 | 0.42 | 25360.00 | 101.4 | 25000.0 | 90 | 110 |
| ICB1 | 1 | PASS | 28.870 | 15.910 | 41.840 | 63.50 | 28.9 | | | | +/-5000.00 |
| ICSA1 | 1 | PASS | 58.320 | 69.710 | 46.920 | 27.63 | 58.3 | | | -15000 | 15000 |
| ICSAB1 | 1 | FAIL | 52.220 | 41.200 | 63.230 | 29.83 | 52.2 | | | | 0 |
| CR11 | 1 | PASS | 5233.000 | 5246.000 | 5220.000 | 0.35 | 5233.00 | 104.7 | 5000.0 | 50 | 150 |
| CCV1 | 1 | PASS | 30320.000 | 30240.000 | 30400.000 | 0.37 | 30320.00 | 100.4 | 30200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 77.440 | 93.200 | 61.680 | 28.78 | 77.4 | | | | +/-5000.00 |
| CCV2 | 1 | PASS | 30440.000 | 30500.000 | 30370.000 | 0.31 | 30440.00 | 100.8 | 30200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 42.890 | 33.760 | 52.020 | 30.10 | 42.9 | | | | +/-5000.00 |
| CCV3 | 1 | PASS | 30620.000 | 30600.000 | 30630.000 | 0.08 | 30620.00 | 101.4 | 30200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 17.770 | -0.369 | 35.920 | 144.40 | 17.8 | | | | +/-5000.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | 38.290 | 75.160 | 1.417 | 136.20 | 3.829 | | | | +/-5000.00 |
| LCSS052010A | 1 | PASS | 19780.000 | 19810.000 | 19760.000 | 0.16 | 1978.0 | 98.9 | 2000.0 | 1600.0 | 2400.0 |
| 829330 | 1 | PASS | 418.700 | 424.100 | 413.300 | 1.84 | 39.1 | | | | |
| 829330L | 5 | PASS | 592.400 | 435.600 | 749.200 | 37.43 | 2962.00 | | | | |
| 829330A | 1 | FAIL | 432.300 | 411.700 | 453.000 | 6.76 | 432.30 | 0.7 | 2000.0 | 80 | 120 |
| 829330MS | 1 | PASS | 401.800 | 407.900 | 395.700 | 2.14 | 34.9391 | | | | |
| 829330DP | 1 | PASS | 368.300 | 342.100 | 394.400 | 10.04 | 35.0762 | | | | |
| 829331 | 1 | PASS | 174.700 | 160.800 | 188.600 | 11.28 | 14.9 | | | | |
| 829332 | 1 | PASS | 218.000 | 199.000 | 236.900 | 12.28 | 20.2 | | | | |
| 829333 | 1 | PASS | 414.100 | 418.700 | 409.500 | 1.57 | 37.6 | | | | |
| 829334 | 1 | PASS | 21.410 | 14.730 | 28.100 | 44.16 | 2.1 | | | | |
| 829620 | 1 | PASS | 4130.000 | 4140.000 | 4120.000 | 0.35 | 304 | | | | |
| 829621 | 1 | PASS | 3609.000 | 3601.000 | 3617.000 | 0.31 | 269 | | | | |
| 829622 | 1 | PASS | 1601.000 | 1610.000 | 1591.000 | 0.83 | 131 | | | | |
| 829623 | 1 | PASS | 2134.000 | 2134.000 | 2133.000 | 0.03 | 155 | | | | |
| 829623L | 5 | FAIL | 2357.000 | 2460.000 | 2254.000 | 6.21 | 11785.00 | | | | |
| 829623MS | 1 | PASS | 2000.000 | 2000.000 | 2000.000 | 0.00 | 148.1481 | | | | |
| 829623DP | 1 | PASS | 1852.000 | 1862.000 | 1841.000 | 0.81 | 148.1600 | | | | |

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7
ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|---------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.004 | 0.000 | 0.000 | 7.21 | 0.0037 | | | | |
| STD4 | 1 | | 0.599 | 0.000 | 0.000 | 0.14 | 0.60 | | | | |
| ICV1 | 1 | PASS | 473.900 | 473.500 | 474.400 | 0.14 | 473.90 | 94.8 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 0.560 | 0.362 | 0.758 | 50.08 | 0.6 | | | | +/-40.00 |
| ICSA1 | 1 | PASS | -6.820 | -6.448 | -7.192 | 7.72 | -6.8 | | | -120 | 120 |
| ICSAB1 | 1 | PASS | 887.500 | 887.300 | 887.700 | 0.03 | 888 | 100.7 | 882 | 80 | 120 |
| CR11 | 1 | PASS | 39.700 | 39.620 | 39.780 | 0.29 | 39.70 | 99.2 | 40.0 | 50 | 150 |
| CCV1 | 1 | PASS | 189.600 | 189.400 | 189.700 | 0.12 | 189.60 | 94.8 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.102 | 0.621 | -0.417 | 717.60 | 0.1 | | | | +/-40.00 |
| CCV2 | 1 | PASS | 188.200 | 188.100 | 188.300 | 0.08 | 188.20 | 94.1 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.375 | 0.203 | 0.548 | 65.09 | 0.4 | | | | +/-40.00 |
| CCV3 | 1 | PASS | 187.800 | 187.900 | 187.700 | 0.09 | 187.80 | 93.9 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.383 | 0.260 | 0.505 | 45.31 | 0.4 | | | | +/-40.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | 1.006 | 1.479 | 0.533 | 66.53 | 0.101 | | | | +/-40.00 |
| LCSS052010A | 1 | PASS | 470.600 | 470.300 | 470.900 | 0.08 | 47.1 | 94.2 | 50.0 | 40.0 | 60.0 |
| 829330 | 1 | PASS | 19.320 | 19.460 | 19.180 | 1.02 | 1.8 | | | | |
| 829330L | 5 | PASS | 17.020 | 19.250 | 14.790 | 18.53 | 85.10 | | | | |
| 829330A | 1 | PASS | 467.500 | 467.300 | 467.700 | 0.05 | 467.50 | 89.6 | 500.0 | 80 | 120 |
| 829330MS | 1 | PASS | 458.300 | 458.100 | 458.400 | 0.05 | 39.8522 | 87.5 | 43.48 | 80 | 120 |
| 829330DP | 1 | PASS | 14.660 | 14.490 | 14.830 | 1.67 | 1.3962 | | | | |
| 829331 | 1 | PASS | 21.520 | 21.120 | 21.910 | 2.58 | 1.8 | | | | |
| 829332 | 1 | PASS | 2.024 | 1.955 | 2.093 | 4.83 | 0.19 | | | | |
| 829333 | 1 | PASS | 2.934 | 3.337 | 2.532 | 19.40 | 0.27 | | | | |
| 829334 | 1 | PASS | 0.819 | 0.957 | 0.681 | 23.84 | 0.082 | | | | |
| 829620 | 1 | PASS | 170.100 | 170.900 | 169.300 | 0.69 | 12.5 | | | | |
| 829621 | 1 | PASS | 196.600 | 195.400 | 197.700 | 0.82 | 14.7 | | | | |
| 829622 | 1 | PASS | 152.700 | 153.000 | 152.400 | 0.27 | 12.5 | | | | |
| 829623 | 1 | PASS | 206.300 | 206.000 | 206.600 | 0.19 | 14.9 | | | | |
| 829623L | 5 | FAIL | 226.900 | 227.600 | 226.200 | 0.42 | 1134.50 | | | | |
| 829623MS | 1 | PASS | 609.200 | 610.300 | 608.000 | 0.26 | 45.1259 | 81.5 | 37.04 | 80 | 120 |
| 829623DP | 1 | PASS | 181.400 | 181.800 | 180.900 | 0.35 | 14.5120 | | | | |

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|---------|----------|-------|-------|------|-----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 44.29 | -0.0004 | | | | |
| STD4 | 1 | | 0.081 | 0.000 | 0.000 | 0.28 | 0.081 | | | | |
| ICV1 | 1 | PASS | 518.300 | 516.400 | 520.200 | 0.51 | 518.30 | 103.7 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 0.858 | 0.588 | 1.127 | 44.42 | 0.9 | | | | +/-250.00 |
| ICSA1 | 1 | PASS | 1.481 | 1.787 | 1.174 | 29.25 | 1.5 | | | -750 | 750 |
| ICSAB1 | 1 | PASS | 501.100 | 500.300 | 501.800 | 0.21 | 501 | 100.0 | 501 | 80 | 120 |
| CRI1 | 1 | PASS | 259.200 | 260.600 | 257.700 | 0.80 | 259.20 | 103.7 | 250.0 | 50 | 150 |
| CCV1 | 1 | PASS | 204.000 | 206.100 | 201.900 | 1.45 | 204.00 | 102.0 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | -0.027 | -0.871 | 0.816 | 4369.00 | 0.0 | | | | +/-250.00 |
| CCV2 | 1 | PASS | 206.300 | 206.700 | 205.800 | 0.30 | 206.30 | 103.2 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 1.728 | 2.462 | 0.995 | 60.03 | 1.7 | | | | +/-250.00 |
| CCV3 | 1 | PASS | 208.200 | 207.900 | 208.400 | 0.17 | 208.20 | 104.1 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 3.031 | 2.392 | 3.671 | 29.82 | 3.0 | | | | +/-250.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | 6.052 | 6.701 | 5.403 | 15.17 | 0.605 | | | | +/-250.00 |
| LCSS052010A | 1 | PASS | 501.200 | 502.100 | 500.300 | 0.25 | 50.1 | 100.2 | 50.0 | 40.0 | 60.0 |
| 829330 | 1 | PASS | 2538.000 | 2539.000 | 2537.000 | 0.07 | 237 | | | | |
| 829330L | 5 | FAIL | 2565.000 | 2565.000 | 2564.000 | 0.03 | 12825.00 | | | | |
| 829330A | 1 | PASS | 2996.000 | 2991.000 | 3001.000 | 0.25 | 2996.00 | 91.6 | 500.0 | 80 | 120 |
| 829330MS | 1 | PASS | 3504.000 | 3498.000 | 3510.000 | 0.23 | 304.6957 | 155.2 | 43.48 | 80 | 120 |
| 829330DP | 1 | PASS | 2661.000 | 2666.000 | 2655.000 | 0.28 | 253.4286 | | | | |
| 829331 | 1 | PASS | 1825.000 | 1819.000 | 1831.000 | 0.47 | 156 | | | | |
| 829332 | 1 | PASS | 5502.000 | 5512.000 | 5493.000 | 0.24 | 509 | | | | |
| 829333 | 1 | PASS | 2735.000 | 2726.000 | 2744.000 | 0.44 | 249 | | | | |
| 829334 | 1 | PASS | 6.969 | 5.716 | 8.222 | 25.43 | 0.70 | | | | |
| 829620 | 1 | PASS | 5817.000 | 5810.000 | 5824.000 | 0.17 | 428 | | | | |
| 829621 | 1 | PASS | 7546.000 | 7544.000 | 7549.000 | 0.05 | 563 | | | | |
| 829622 | 1 | PASS | 5921.000 | 5933.000 | 5908.000 | 0.29 | 485 | | | | |
| 829623 | 1 | PASS | 6909.000 | 6901.000 | 6917.000 | 0.16 | 501 | | | | |
| 829623L | 5 | FAIL | 7557.000 | 7572.000 | 7542.000 | 0.28 | 37785.00 | | | | |
| 829623MS | 1 | PASS | 6747.000 | 6745.000 | 6749.000 | 0.05 | 499.7778 | -2.4 | 37.04 | 80 | 120 |
| 829623DP | 1 | PASS | 5924.000 | 5921.000 | 5927.000 | 0.07 | 473.9200 | | | | |

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|---------|-------|--------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | -0.013 | 0.000 | 0.000 | 4.61 | -0.013 | | | | |
| STD8 | 1 | | 2.959 | 0.000 | 0.000 | 0.55 | 3.0 | | | | |
| ICV1 | 1 | PASS | 1004.000 | 1002.000 | 1006.000 | 0.29 | 1004.00 | 100.4 | 1000.0 | 90 | 110 |
| ICB1 | 1 | PASS | 2.522 | 1.486 | 3.558 | 58.09 | 2.5 | | | | +/-10.00 |
| ICSA1 | 1 | PASS | 5.818 | 4.705 | 6.930 | 27.05 | 5.8 | | | -30 | 30 |
| ICSAB1 | 1 | PASS | 49.950 | 48.250 | 51.640 | 4.80 | 50.0 | 92.6 | 54 | 80 | 120 |
| CR11 | 1 | PASS | 11.210 | 10.970 | 11.440 | 2.96 | 11.21 | 112.1 | 10.0 | 50 | 150 |
| CCV1 | 1 | PASS | 399.900 | 400.300 | 399.600 | 0.12 | 399.90 | 100.0 | 400.0 | 90 | 110 |
| CCB1 | 1 | PASS | 1.849 | 0.076 | 3.622 | 135.60 | 1.8 | | | | +/-10.00 |
| CCV2 | 1 | PASS | 402.500 | 402.900 | 402.000 | 0.15 | 402.50 | 100.6 | 400.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.693 | 1.829 | -0.442 | 231.60 | 0.7 | | | | +/-10.00 |
| CCV3 | 1 | PASS | 406.200 | 405.000 | 407.300 | 0.40 | 406.20 | 101.6 | 400.0 | 90 | 110 |
| CCB3 | 1 | PASS | 1.006 | 2.864 | -0.853 | 261.30 | 1.0 | | | | +/-10.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | 1.979 | 0.036 | 3.921 | 138.80 | 0.198 | | | | +/-10.00 |
| LCSS052010A | 1 | PASS | 221.300 | 222.100 | 220.500 | 0.50 | 22.1 | 100.5 | 22.0 | 17.6 | 26.4 |
| 829330 | 1 | PASS | 18.510 | 17.060 | 19.960 | 11.06 | 1.7 | | | | |
| 829330L | 5 | PASS | 19.700 | 18.270 | 21.120 | 10.24 | 98.50 | | | | |
| 829330A | 1 | PASS | 39.010 | 38.770 | 39.250 | 0.86 | 39.01 | 102.5 | 20.0 | 80 | 120 |
| 829330MS | 1 | FAIL | 32.830 | 33.450 | 32.200 | 2.70 | 2.8548 | 64.6 | 1.74 | 80 | 120 |
| 829330DP | 1 | PASS | 14.330 | 15.760 | 12.910 | 14.04 | 1.3648 | | | | |
| 829331 | 1 | PASS | 30.000 | 28.740 | 31.250 | 5.90 | 2.6 | | | | |
| 829332 | 1 | PASS | 2.428 | 2.434 | 2.421 | 0.39 | 0.22 | | | | |
| 829333 | 1 | PASS | 5.863 | 4.123 | 7.604 | 41.98 | 0.53 | | | | |
| 829334 | 1 | PASS | 2.950 | 2.637 | 3.262 | 15.00 | 0.29 | | | | |
| 829620 | 1 | PASS | 260.700 | 259.500 | 261.900 | 0.65 | 19.2 | | | | |
| 829621 | 1 | PASS | 462.300 | 462.700 | 461.900 | 0.12 | 34.5 | | | | |
| 829622 | 1 | PASS | 176.200 | 177.900 | 174.400 | 1.42 | 14.4 | | | | |
| 829623 | 1 | PASS | 265.200 | 262.000 | 268.300 | 1.68 | 19.2 | | | | |
| 829623L | 5 | FAIL | 281.000 | 279.600 | 282.300 | 0.67 | 1405.00 | | | | |
| 829623MS | 1 | PASS | 430.100 | 430.200 | 430.000 | 0.04 | 31.8593 | 854.2 | 1.48 | 80 | 120 |
| 829623DP | 1 | PASS | 225.600 | 225.300 | 225.800 | 0.17 | 18.0480 | | | | |

Analytical Review Report

Date Printed: 5/21/10

Data File: 052110-02.txt

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7
ICP METALS 6010

Analysis Start Date: 5/21/2010

Start Time: 13:17:1

Analysis End Date: 5/21/2010

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|---------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 3.24 | -0.0002 | | | | |
| STD8 | 1 | | 0.076 | 0.000 | 0.000 | 0.25 | 0.076 | | | | |
| ICV1 | 1 | PASS | 258.400 | 256.100 | 260.700 | 1.26 | 258.40 | 103.4 | 250.0 | 90 | 110 |
| ICB1 | 1 | PASS | 2.608 | 2.188 | 3.028 | 22.76 | 2.6 | | | | +/-60.00 |
| ICSA1 | 1 | PASS | -2.641 | -3.501 | -1.780 | 46.08 | -2.6 | | | -180 | 180 |
| ICSAB1 | 1 | PASS | 588.000 | 586.900 | 589.200 | 0.28 | 588 | 101.0 | 582 | 80 | 120 |
| CR11 | 1 | PASS | 64.060 | 63.210 | 64.920 | 1.89 | 64.06 | 106.8 | 60.0 | 50 | 150 |
| CCV1 | 1 | PASS | 303.600 | 305.200 | 302.000 | 0.73 | 303.60 | 101.2 | 300.0 | 90 | 110 |
| CCB1 | 1 | PASS | 1.580 | 2.029 | 1.131 | 40.17 | 1.6 | | | | +/-60.00 |
| CCV2 | 1 | PASS | 302.400 | 302.500 | 302.400 | 0.03 | 302.40 | 100.8 | 300.0 | 90 | 110 |
| CCB2 | 1 | PASS | 2.625 | 3.263 | 1.988 | 34.34 | 2.6 | | | | +/-60.00 |
| CCV3 | 1 | PASS | 299.500 | 297.400 | 301.700 | 1.01 | 299.50 | 99.8 | 300.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.415 | 0.015 | 0.816 | 136.40 | 0.4 | | | | +/-60.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | 4.123 | 4.542 | 3.705 | 14.36 | 0.412 | | | | +/-60.00 |
| LCSS052010A | 1 | PASS | 471.800 | 471.600 | 472.000 | 0.06 | 47.2 | 94.4 | 50.0 | 40.0 | 60.0 |
| 829330 | 1 | PASS | 1.864 | 0.255 | 3.473 | 122.00 | 0.17 | | | | |
| 829330L | 5 | PASS | 10.980 | 14.590 | 7.367 | 46.53 | 54.90 | | | | |
| 829330A | 1 | PASS | 468.300 | 469.000 | 467.500 | 0.24 | 468.30 | 93.7 | 500.0 | 80 | 120 |
| 829330MS | 1 | FAIL | 372.000 | 371.400 | 372.600 | 0.23 | 32.3478 | 74.4 | 43.48 | 80 | 120 |
| 829330DP | 1 | PASS | 3.640 | 3.500 | 3.781 | 5.45 | 0.3467 | | | | |
| 829331 | 1 | PASS | 3.659 | 2.227 | 5.092 | 55.34 | 0.31 | | | | |
| 829332 | 1 | PASS | 5.535 | 4.973 | 6.096 | 14.35 | 0.51 | | | | |
| 829333 | 1 | PASS | 3.777 | 2.240 | 5.314 | 57.53 | 0.34 | | | | |
| 829334 | 1 | PASS | 2.382 | 4.043 | 0.721 | 98.60 | 0.24 | | | | |
| 829620 | 1 | PASS | -6.782 | -8.660 | -4.904 | 39.15 | -0.50 | | | | |
| 829621 | 1 | PASS | -7.834 | -7.751 | -7.916 | 1.50 | -0.58 | | | | |
| 829622 | 1 | PASS | -3.741 | -3.569 | -3.913 | 6.50 | -0.31 | | | | |
| 829623 | 1 | PASS | -6.456 | -5.610 | -7.303 | 18.54 | -0.47 | | | | |
| 829623L | 5 | PASS | 3.763 | 4.562 | 2.964 | 30.01 | 18.82 | | | | |
| 829623MS | 1 | FAIL | 173.900 | 174.200 | 173.600 | 0.23 | 12.8815 | 34.8 | 37.04 | 80 | 120 |
| 829623DP | 1 | PASS | -5.540 | -5.155 | -5.925 | 9.83 | -0.4432 | | | | |

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|---------|---------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.002 | 0.000 | 0.000 | 9.17 | 0.0016 | | | | |
| STD8 | 1 | | 0.048 | 0.000 | 0.000 | 1.33 | 0.048 | | | | |
| ICV1 | 1 | PASS | 259.000 | 258.800 | 259.200 | 0.09 | 259.00 | 103.6 | 250.0 | 90 | 110 |
| ICB1 | 1 | PASS | -0.106 | 1.059 | -1.272 | 1549.00 | -0.1 | | | | +/-35.00 |
| ICSA1 | 1 | PASS | -6.820 | -5.542 | -8.098 | 26.50 | -6.8 | | | -105 | 105 |
| ICSAB1 | 1 | PASS | 37.060 | 38.030 | 36.100 | 3.67 | 37.1 | 97.6 | 38 | 80 | 120 |
| CRI1 | 1 | PASS | 37.140 | 37.980 | 36.300 | 3.19 | 37.14 | 106.1 | 35.0 | 50 | 150 |
| CCV1 | 1 | PASS | 99.960 | 100.100 | 99.800 | 0.23 | 99.96 | 100.0 | 100.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.921 | 1.593 | 0.249 | 103.20 | 0.9 | | | | +/-35.00 |
| CCV2 | 1 | PASS | 97.460 | 97.760 | 97.160 | 0.43 | 97.46 | 97.5 | 100.0 | 90 | 110 |
| CCB2 | 1 | PASS | 4.487 | 3.552 | 5.421 | 29.46 | 4.5 | | | | +/-35.00 |
| CCV3 | 1 | PASS | 101.600 | 101.200 | 102.000 | 0.55 | 101.60 | 101.6 | 100.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.178 | 2.699 | -2.343 | 2006.00 | 0.2 | | | | +/-35.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | 1.560 | 0.757 | 2.363 | 72.83 | 0.156 | | | | +/-35.00 |
| LCSS052010A | 1 | PASS | 239.300 | 242.000 | 236.500 | 1.64 | 23.9 | 95.6 | 25.0 | 20.0 | 30.0 |
| 829330 | 1 | PASS | 3.080 | 3.562 | 2.599 | 22.10 | 0.29 | | | | |
| 829330L | 5 | PASS | -2.039 | 10.520 | -14.600 | 871.10 | -10.20 | | | | |
| 829330A | 1 | PASS | 54.550 | 54.240 | 54.870 | 0.81 | 54.55 | 102.9 | 50.0 | 80 | 120 |
| 829330MS | 1 | PASS | 51.770 | 53.200 | 50.350 | 3.89 | 4.5017 | 96.9 | 4.35 | 80 | 120 |
| 829330DP | 1 | PASS | 4.522 | 5.565 | 3.479 | 32.62 | 0.4307 | | | | |
| 829331 | 1 | PASS | 1.809 | 2.702 | 0.916 | 69.81 | 0.15 | | | | |
| 829332 | 1 | PASS | 5.009 | 2.761 | 7.256 | 63.46 | 0.46 | | | | |
| 829333 | 1 | PASS | 5.371 | 4.360 | 6.382 | 26.62 | 0.49 | | | | |
| 829334 | 1 | PASS | 0.508 | -0.877 | 1.893 | 385.60 | 0.051 | | | | |
| 829620 | 1 | PASS | -6.080 | -2.889 | -9.270 | 74.21 | -0.45 | | | | |
| 829621 | 1 | PASS | -6.359 | -8.009 | -4.709 | 36.69 | -0.47 | | | | |
| 829622 | 1 | PASS | -4.704 | -3.224 | -6.185 | 44.51 | -0.39 | | | | |
| 829623 | 1 | PASS | -7.107 | -10.330 | -3.885 | 64.12 | -0.52 | | | | |
| 829623L | 5 | PASS | -7.065 | -3.785 | -10.350 | 65.67 | -35.33 | | | | |
| 829623MS | 1 | FAIL | 39.040 | 37.250 | 40.840 | 6.51 | 2.8919 | 78.2 | 3.70 | 80 | 120 |
| 829623DP | 1 | PASS | -4.699 | -2.980 | -6.417 | 51.73 | -0.3759 | | | | |

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|-------|----------|-------|--------|------|-----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.084 | 0.000 | 0.000 | 2.58 | 0.084 | | | | |
| STD4 | 1 | | 4.350 | 0.000 | 0.000 | 0.03 | 4.4 | | | | |
| ICV1 | 1 | PASS | 268.900 | 271.800 | 266.000 | 1.54 | 268.90 | 107.6 | 250.0 | 90 | 110 |
| ICB1 | 1 | PASS | 1.815 | 3.018 | 0.611 | 93.78 | 1.8 | | | | +/-100.00 |
| ICSA1 | 1 | PASS | 15.430 | 15.250 | 15.610 | 1.65 | 15.4 | | | -300 | 300 |
| ICSAB1 | 1 | PASS | 1026.000 | 1024.000 | 1028.000 | 0.25 | 1030 | 102.6 | 1004 | 80 | 120 |
| CRI1 | 1 | PASS | 105.200 | 105.200 | 105.300 | 0.06 | 105.20 | 105.2 | 100.0 | 50 | 150 |
| CCV1 | 1 | PASS | 1017.000 | 1014.000 | 1019.000 | 0.34 | 1017.00 | 101.7 | 1000.0 | 90 | 110 |
| CCB1 | 1 | PASS | 2.673 | 1.228 | 4.118 | 76.45 | 2.7 | | | | +/-100.00 |
| CCV2 | 1 | PASS | 1031.000 | 1033.000 | 1029.000 | 0.30 | 1031.00 | 103.1 | 1000.0 | 90 | 110 |
| CCB2 | 1 | PASS | 5.369 | 5.639 | 5.098 | 7.13 | 5.4 | | | | +/-100.00 |
| CCV3 | 1 | PASS | 1029.000 | 1027.000 | 1030.000 | 0.19 | 1029.00 | 102.9 | 1000.0 | 90 | 110 |
| CCB3 | 1 | PASS | 5.111 | 5.114 | 5.109 | 0.07 | 5.1 | | | | +/-100.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | 13.550 | 16.370 | 10.730 | 29.41 | 1.355 | | | | +/-100.00 |
| LCSS052010A | 1 | PASS | 495.200 | 495.800 | 494.700 | 0.16 | 49.5 | 99.0 | 50.0 | 40.0 | 60.0 |
| 829330 | 1 | PASS | 2873.000 | 2869.000 | 2877.000 | 0.20 | 269 | | | | |
| 829330L | 5 | FAIL | 2802.000 | 2803.000 | 2802.000 | 0.03 | 14010.00 | | | | |
| 829330A | 1 | PASS | 3327.000 | 3328.000 | 3325.000 | 0.07 | 3327.00 | 90.8 | 500.0 | 80 | 120 |
| 829330MS | 1 | PASS | 2853.000 | 2855.000 | 2851.000 | 0.08 | 248.0870 | -47.0 | 43.48 | 80 | 120 |
| 829330DP | 1 | PASS | 2378.000 | 2384.000 | 2372.000 | 0.37 | 226.4762 | | | | |
| 829331 | 1 | PASS | 3883.000 | 3886.000 | 3880.000 | 0.10 | 332 | | | | |
| 829332 | 1 | PASS | 629.600 | 632.300 | 626.900 | 0.60 | 58.3 | | | | |
| 829333 | 1 | PASS | 1854.000 | 1899.000 | 1809.000 | 3.43 | 169 | | | | |
| 829334 | 1 | PASS | 16.320 | 16.670 | 15.980 | 2.97 | 1.6 | | | | |
| 829620 | 1 | PASS | 3530.000 | 3525.000 | 3535.000 | 0.20 | 260 | | | | |
| 829621 | 1 | PASS | 3290.000 | 3295.000 | 3286.000 | 0.18 | 246 | | | | |
| 829622 | 1 | PASS | 2685.000 | 2691.000 | 2679.000 | 0.31 | 220 | | | | |
| 829623 | 1 | PASS | 2521.000 | 2519.000 | 2524.000 | 0.13 | 183 | | | | |
| 829623L | 5 | FAIL | 3084.000 | 3080.000 | 3089.000 | 0.19 | 15420.00 | | | | |
| 829623MS | 1 | PASS | 2840.000 | 2826.000 | 2853.000 | 0.66 | 210.3704 | 74.8 | 37.04 | 80 | 120 |
| 829623DP | 1 | PASS | 2240.000 | 2235.000 | 2246.000 | 0.36 | 179.2000 | | | | |

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|---------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.000 | 0.000 | 0.000 | 18.96 | 0.0002 | | | | |
| STD8 | 1 | | 0.181 | 0.000 | 0.000 | 0.15 | 0.18 | | | | |
| ICV1 | 1 | PASS | 226.500 | 227.100 | 225.900 | 0.35 | 226.50 | 90.6 | 250.0 | 90 | 110 |
| ICB1 | 1 | PASS | -0.421 | -0.469 | -0.373 | 16.05 | -0.4 | | | | +/-20.00 |
| ICSA1 | 1 | PASS | -1.368 | -0.510 | -2.225 | 88.69 | -1.4 | | | -60 | 60 |
| ICSAB1 | 1 | PASS | 1394.000 | 1394.000 | 1394.000 | 0.02 | 1390 | 100.6 | 1382 | 80 | 120 |
| CRI1 | 1 | PASS | 20.040 | 20.470 | 19.620 | 2.99 | 20.04 | 100.2 | 20.0 | 50 | 150 |
| CCV1 | 1 | PASS | 196.500 | 196.200 | 196.700 | 0.19 | 196.50 | 98.2 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.191 | -0.004 | 0.386 | 144.10 | 0.2 | | | | +/-20.00 |
| CCV2 | 1 | PASS | 197.600 | 197.700 | 197.500 | 0.09 | 197.60 | 98.8 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | -0.405 | -0.552 | -0.258 | 51.33 | -0.4 | | | | +/-20.00 |
| CCV3 | 1 | PASS | 197.700 | 198.100 | 197.200 | 0.34 | 197.70 | 98.8 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | -0.755 | -0.044 | -1.465 | 133.10 | -0.8 | | | | +/-20.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | 13.670 | 13.860 | 13.490 | 1.90 | 1.367 | | | | +/-20.00 |
| LCSS052010A | 1 | PASS | 528.700 | 528.500 | 528.900 | 0.06 | 52.9 | 105.8 | 50.0 | 40.0 | 60.0 |
| 829330 | 1 | PASS | 9.220 | 9.511 | 8.929 | 4.46 | 0.86 | | | | |
| 829330L | 5 | PASS | 9.812 | 11.330 | 8.295 | 21.87 | 49.06 | | | | |
| 829330A | 1 | PASS | 457.400 | 455.200 | 459.600 | 0.69 | 457.40 | 89.6 | 500.0 | 80 | 120 |
| 829330MS | 1 | PASS | 469.700 | 470.200 | 469.100 | 0.16 | 40.8435 | 92.0 | 43.48 | 80 | 120 |
| 829330DP | 1 | PASS | 6.871 | 6.634 | 7.107 | 4.87 | 0.6544 | | | | |
| 829331 | 1 | PASS | 6.219 | 5.916 | 6.521 | 6.88 | 0.53 | | | | |
| 829332 | 1 | PASS | 7.762 | 7.951 | 7.573 | 3.44 | 0.72 | | | | |
| 829333 | 1 | PASS | 8.423 | 8.534 | 8.311 | 1.88 | 0.77 | | | | |
| 829334 | 1 | PASS | 13.610 | 13.320 | 13.900 | 2.98 | 1.4 | | | | |
| 829620 | 1 | PASS | 4.051 | 3.762 | 4.340 | 10.09 | 0.30 | | | | |
| 829621 | 1 | PASS | 7.175 | 7.013 | 7.337 | 3.19 | 0.54 | | | | |
| 829622 | 1 | PASS | 7.603 | 7.553 | 7.654 | 0.94 | 0.62 | | | | |
| 829623 | 1 | PASS | 5.066 | 4.667 | 5.465 | 11.15 | 0.37 | | | | |
| 829623L | 5 | PASS | 7.042 | 5.898 | 8.187 | 22.98 | 35.21 | | | | |
| 829623MS | 1 | PASS | 443.000 | 443.600 | 442.500 | 0.18 | 32.8148 | 87.6 | 37.04 | 80 | 120 |
| 829623DP | 1 | PASS | 6.762 | 7.341 | 6.182 | 12.12 | 0.5410 | | | | |

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|-------|---------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.012 | 0.000 | 0.000 | 6.12 | 0.012 | | | | |
| STD4 | 1 | | 61.780 | 0.000 | 0.000 | 1.34 | 61.8 | | | | |
| ICV1 | 1 | PASS | 495.700 | 496.800 | 494.700 | 0.29 | 495.70 | 99.1 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 0.281 | 0.117 | 0.446 | 82.56 | 0.3 | | | | +/-20.00 |
| ICSA1 | 1 | PASS | 16.510 | 16.500 | 16.530 | 0.10 | 16.5 | | | -60 | 60 |
| ICSAB1 | 1 | PASS | 255.400 | 254.800 | 255.900 | 0.33 | 255 | 103.2 | 247 | 80 | 120 |
| CR11 | 1 | PASS | 21.180 | 21.160 | 21.190 | 0.09 | 21.18 | 105.9 | 20.0 | 50 | 150 |
| CCV1 | 1 | PASS | 302.100 | 302.200 | 302.000 | 0.06 | 302.10 | 100.7 | 300.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.209 | 0.224 | 0.195 | 10.00 | 0.2 | | | | +/-20.00 |
| CCV2 | 1 | PASS | 300.100 | 302.400 | 297.800 | 1.08 | 300.10 | 100.0 | 300.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.185 | 0.188 | 0.182 | 2.45 | 0.2 | | | | +/-20.00 |
| CCV3 | 1 | PASS | 303.200 | 303.000 | 303.500 | 0.10 | 303.20 | 101.1 | 300.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.081 | 0.089 | 0.073 | 13.46 | 0.1 | | | | +/-20.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | 0.063 | 0.071 | 0.055 | 17.34 | 0.006 | | | | +/-20.00 |
| LCSS052010A | 1 | PASS | 484.500 | 484.100 | 484.900 | 0.12 | 48.5 | 97.0 | 50.0 | 40.0 | 60.0 |
| 829330 | 1 | PASS | 363.300 | 364.300 | 362.300 | 0.39 | 34.0 | | | | |
| 829330L | 5 | FAIL | 373.500 | 371.000 | 375.900 | 0.93 | 1867.50 | | | | |
| 829330A | 1 | PASS | 820.900 | 817.200 | 824.500 | 0.64 | 820.90 | 91.5 | 500.0 | 80 | 120 |
| 829330MS | 1 | FAIL | 735.600 | 741.200 | 730.000 | 1.08 | 63.9652 | 69.0 | 43.48 | 80 | 120 |
| 829330DP | 1 | PASS | 295.500 | 295.300 | 295.700 | 0.10 | 28.1429 | | | | |
| 829331 | 1 | PASS | 186.200 | 185.300 | 187.100 | 0.68 | 15.9 | | | | |
| 829332 | 1 | PASS | 363.700 | 364.800 | 362.500 | 0.44 | 33.7 | | | | |
| 829333 | 1 | PASS | 302.800 | 302.600 | 303.000 | 0.09 | 27.5 | | | | |
| 829334 | 1 | PASS | 0.027 | 0.021 | 0.034 | 31.58 | 0.0028 | | | | |
| 829620 | 1 | PASS | 1238.000 | 1240.000 | 1235.000 | 0.33 | 91.0 | | | | |
| 829621 | 1 | PASS | 921.900 | 926.100 | 917.600 | 0.65 | 68.8 | | | | |
| 829622 | 1 | PASS | 509.000 | 507.200 | 510.700 | 0.48 | 41.7 | | | | |
| 829623 | 1 | PASS | 817.000 | 817.200 | 816.800 | 0.03 | 59.2 | | | | |
| 829623L | 5 | FAIL | 907.800 | 914.500 | 901.100 | 1.05 | 4539.00 | | | | |
| 829623MS | 1 | FAIL | 1153.000 | 1140.000 | 1165.000 | 1.54 | 85.4074 | 70.7 | 37.04 | 80 | 120 |
| 829623DP | 1 | PASS | 702.400 | 712.200 | 692.700 | 1.96 | 56.1920 | | | | |

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7
ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|----------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | -0.008 | 0.000 | 0.000 | 6.84 | -0.0080 | | | | |
| STD4 | 1 | | 5.350 | 0.000 | 0.000 | 0.09 | 5.4 | | | | |
| ICV1 | 1 | PASS | 508.300 | 510.200 | 506.300 | 0.54 | 508.30 | 101.7 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | -0.335 | -0.078 | -0.591 | 108.40 | -0.3 | | | | +/-20.00 |
| ICSA1 | 1 | PASS | 6.122 | 6.323 | 5.922 | 4.64 | 6.1 | | | -60 | 60 |
| ICSAB1 | 1 | PASS | 499.800 | 500.000 | 499.500 | 0.07 | 500 | 100.8 | 496 | 80 | 120 |
| CR11 | 1 | PASS | 20.470 | 20.490 | 20.460 | 0.08 | 20.47 | 102.4 | 20.0 | 50 | 150 |
| CCV1 | 1 | PASS | 400.000 | 400.100 | 399.900 | 0.05 | 400.00 | 100.0 | 400.0 | 90 | 110 |
| CCB1 | 1 | PASS | -0.075 | 0.019 | -0.170 | 176.90 | -0.1 | | | | +/-20.00 |
| CCV2 | 1 | PASS | 397.300 | 397.600 | 396.900 | 0.12 | 397.30 | 99.3 | 400.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.178 | 0.198 | 0.159 | 15.39 | 0.2 | | | | +/-20.00 |
| CCV3 | 1 | PASS | 396.900 | 396.200 | 397.700 | 0.27 | 396.90 | 99.2 | 400.0 | 90 | 110 |
| CCB3 | 1 | PASS | -0.302 | -0.605 | 0.001 | 141.80 | -0.3 | | | | +/-20.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | -0.336 | -0.548 | -0.123 | 89.41 | -0.034 | | | | +/-20.00 |
| LCSS052010A | 1 | PASS | 496.200 | 496.000 | 496.300 | 0.04 | 49.6 | 99.2 | 50.0 | 40.0 | 60.0 |
| 829330 | 1 | PASS | 381.700 | 381.700 | 381.800 | 0.02 | 35.7 | | | | |
| 829330L | 5 | FAIL | 380.700 | 380.200 | 381.300 | 0.19 | 1903.50 | | | | |
| 829330A | 1 | PASS | 841.000 | 842.900 | 839.000 | 0.33 | 841.00 | 91.9 | 500.0 | 80 | 120 |
| 829330MS | 1 | FAIL | 775.400 | 774.800 | 776.000 | 0.11 | 67.4261 | 73.0 | 43.48 | 80 | 120 |
| 829330DP | 1 | FAIL | 301.700 | 301.500 | 301.900 | 0.10 | 28.7333 | | | | |
| 829331 | 1 | PASS | 367.200 | 367.600 | 366.700 | 0.18 | 31.4 | | | | |
| 829332 | 1 | PASS | 9.138 | 9.170 | 9.105 | 0.50 | 0.85 | | | | |
| 829333 | 1 | PASS | 42.380 | 42.110 | 42.660 | 0.91 | 3.9 | | | | |
| 829334 | 1 | PASS | -0.706 | -0.506 | -0.905 | 40.06 | -0.071 | | | | |
| 829620 | 1 | PASS | 2739.000 | 2739.000 | 2740.000 | 0.03 | 201 | | | | |
| 829621 | 1 | PASS | 2505.000 | 2513.000 | 2496.000 | 0.47 | 187 | | | | |
| 829622 | 1 | PASS | 2018.000 | 2020.000 | 2016.000 | 0.14 | 165 | | | | |
| 829623 | 1 | PASS | 3175.000 | 3170.000 | 3180.000 | 0.22 | 230 | | | | |
| 829623L | 5 | FAIL | 3366.000 | 3369.000 | 3364.000 | 0.10 | 16830.00 | | | | |
| 829623MS | 1 | PASS | 3307.000 | 3304.000 | 3310.000 | 0.14 | 244.9630 | 40.2 | 37.04 | 80 | 120 |
| 829623DP | 1 | PASS | 2710.000 | 2711.000 | 2709.000 | 0.07 | 216.8000 | | | | |

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|--------|---------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | -0.002 | 0.000 | 0.000 | 16.87 | -0.0019 | | | | |
| STD8 | 1 | | 0.992 | 0.000 | 0.000 | 0.09 | 0.99 | | | | |
| ICV1 | 1 | PASS | 249.300 | 249.400 | 249.200 | 0.05 | 249.30 | 99.7 | 250.0 | 90 | 110 |
| ICB1 | 1 | PASS | 0.249 | -0.704 | 1.201 | 542.10 | 0.2 | | | | +/-25.00 |
| ICSA1 | 1 | PASS | 3.949 | 1.561 | 6.337 | 85.52 | 3.9 | | | -75 | 75 |
| ICSAB1 | 1 | PASS | 95.950 | 94.490 | 97.400 | 2.14 | 96.0 | 101.1 | 95 | 80 | 120 |
| CR11 | 1 | PASS | 23.550 | 23.560 | 23.540 | 0.06 | 23.55 | 94.2 | 25.0 | 50 | 150 |
| CCV1 | 1 | PASS | 102.500 | 102.900 | 102.200 | 0.47 | 102.50 | 102.5 | 100.0 | 90 | 110 |
| CCB1 | 1 | PASS | -1.001 | -2.316 | 0.313 | 185.70 | -1.0 | | | | +/-25.00 |
| CCV2 | 1 | PASS | 99.990 | 99.820 | 100.100 | 0.23 | 99.99 | 100.0 | 100.0 | 90 | 110 |
| CCB2 | 1 | PASS | -0.830 | -1.128 | -0.532 | 50.79 | -0.8 | | | | +/-25.00 |
| CCV3 | 1 | PASS | 99.320 | 99.990 | 98.650 | 0.95 | 99.32 | 99.3 | 100.0 | 90 | 110 |
| CCB3 | 1 | PASS | -2.001 | -1.119 | -2.884 | 62.38 | -2.0 | | | | +/-25.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | -3.904 | -2.755 | -5.052 | 41.61 | -0.390 | | | | +/-25.00 |
| LCSS052010A | 1 | PASS | 247.300 | 247.300 | 247.300 | 0.01 | 24.7 | 98.8 | 25.0 | 20.0 | 30.0 |
| 829330 | 1 | PASS | -3.093 | -1.313 | -4.873 | 81.38 | -0.29 | | | | |
| 829330L | 5 | PASS | -7.079 | -8.061 | -6.098 | 19.61 | -35.40 | | | | |
| 829330A | 1 | PASS | 50.750 | 49.590 | 51.910 | 3.22 | 50.75 | 101.5 | 50.0 | 80 | 120 |
| 829330MS | 1 | PASS | 49.220 | 48.510 | 49.920 | 2.03 | 4.2800 | 98.4 | 4.35 | 80 | 120 |
| 829330DP | 1 | PASS | -2.787 | -3.579 | -1.994 | 40.23 | -0.2654 | | | | |
| 829331 | 1 | PASS | -4.821 | -5.074 | -4.569 | 7.41 | -0.41 | | | | |
| 829332 | 1 | PASS | -5.193 | -6.393 | -3.992 | 32.69 | -0.48 | | | | |
| 829333 | 1 | PASS | -4.665 | -3.798 | -5.532 | 26.28 | -0.42 | | | | |
| 829334 | 1 | PASS | -3.259 | -2.668 | -3.849 | 25.63 | -0.33 | | | | |
| 829620 | 1 | PASS | -0.983 | 0.482 | -2.447 | 210.80 | -0.072 | | | | |
| 829621 | 1 | PASS | -2.645 | -2.854 | -2.436 | 11.17 | -0.20 | | | | |
| 829622 | 1 | PASS | -0.939 | -1.953 | 0.075 | 152.70 | -0.077 | | | | |
| 829623 | 1 | PASS | -1.036 | -1.155 | -0.916 | 16.34 | -0.075 | | | | |
| 829623L | 5 | PASS | -8.423 | -13.830 | -3.018 | 90.75 | -42.12 | | | | |
| 829623MS | 1 | PASS | 55.360 | 54.440 | 56.290 | 2.37 | 4.1007 | 110.8 | 3.70 | 80 | 120 |
| 829623DP | 1 | PASS | -0.245 | -0.016 | -0.474 | 132.20 | -0.0196 | | | | |

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7
ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|---------|---------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | -0.005 | 0.000 | 0.000 | 38.66 | -0.0055 | | | | |
| STD4 | 1 | | 3.249 | 0.000 | 0.000 | 0.34 | 3.2 | | | | |
| ICV1 | 1 | PASS | 508.700 | 508.500 | 509.000 | 0.07 | 508.70 | 101.7 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | -0.802 | -0.581 | -1.022 | 38.94 | -0.8 | | | | +/-50.00 |
| ICSA1 | 1 | PASS | -5.191 | -5.474 | -4.907 | 7.72 | -5.2 | | | -150 | 150 |
| ICSAB1 | 1 | PASS | 502.500 | 502.300 | 502.800 | 0.07 | 502 | 99.6 | 504 | 80 | 120 |
| CRI1 | 1 | PASS | 50.070 | 50.310 | 49.830 | 0.67 | 50.07 | 100.1 | 50.0 | 50 | 150 |
| CCV1 | 1 | PASS | 202.400 | 201.800 | 203.000 | 0.43 | 202.40 | 101.2 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.005 | 0.217 | -0.208 | 6438.00 | 0.0 | | | | +/-50.00 |
| CCV2 | 1 | PASS | 201.300 | 201.600 | 201.100 | 0.17 | 201.30 | 100.6 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | -0.130 | -0.304 | 0.044 | 188.90 | -0.1 | | | | +/-50.00 |
| CCV3 | 1 | PASS | 202.200 | 201.100 | 203.400 | 0.81 | 202.20 | 101.1 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | -0.845 | -1.347 | -0.342 | 84.11 | -0.8 | | | | +/-50.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | -0.293 | -0.078 | -0.508 | 103.70 | -0.029 | | | | +/-50.00 |
| LCSS052010A | 1 | PASS | 496.200 | 495.500 | 496.800 | 0.18 | 49.6 | 99.2 | 50.0 | 40.0 | 60.0 |
| 829330 | 1 | PASS | 68.990 | 68.230 | 69.740 | 1.54 | 6.4 | | | | |
| 829330L | 5 | FAIL | 65.980 | 65.420 | 66.540 | 1.20 | 329.90 | | | | |
| 829330A | 1 | PASS | 553.400 | 553.200 | 553.700 | 0.06 | 553.40 | 96.9 | 500.0 | 80 | 120 |
| 829330MS | 1 | PASS | 521.300 | 522.100 | 520.500 | 0.21 | 45.3304 | 89.4 | 43.48 | 80 | 120 |
| 829330DP | 1 | PASS | 55.970 | 55.750 | 56.180 | 0.55 | 5.3305 | | | | |
| 829331 | 1 | PASS | 28.060 | 28.160 | 27.950 | 0.53 | 2.4 | | | | |
| 829332 | 1 | PASS | 3.318 | 3.247 | 3.390 | 3.06 | 0.31 | | | | |
| 829333 | 1 | PASS | 19.360 | 19.450 | 19.270 | 0.66 | 1.8 | | | | |
| 829334 | 1 | PASS | -0.412 | -0.506 | -0.317 | 32.52 | -0.041 | | | | |
| 829620 | 1 | PASS | 460.600 | 458.000 | 463.100 | 0.77 | 33.9 | | | | |
| 829621 | 1 | PASS | 355.500 | 355.500 | 355.500 | 0.00 | 26.5 | | | | |
| 829622 | 1 | PASS | 341.300 | 341.800 | 340.800 | 0.20 | 28.0 | | | | |
| 829623 | 1 | PASS | 485.700 | 485.300 | 486.000 | 0.09 | 35.2 | | | | |
| 829623L | 5 | FAIL | 518.200 | 515.500 | 520.900 | 0.73 | 2591.00 | | | | |
| 829623MS | 1 | PASS | 899.200 | 898.600 | 899.800 | 0.10 | 66.6074 | 84.8 | 37.04 | 80 | 120 |
| 829623DP | 1 | PASS | 447.200 | 448.000 | 446.400 | 0.25 | 35.7760 | | | | |

Analytical Review Report

Data File: 052110-02.txt

Date Printed: 5/21/10

Truevalue List: ICP7_LCSS-AQ_041310

TJA ICAP 7

ICP METALS 6010

Analysis Start Date: 5/21/2010

Analysis End Date: 5/21/2010

Start Time: 13:17:1

End Time: 15:22:1

| Lab Number | Dil | Flag | Raw Avg (ug/L) | Rep1 (ug/L) | Rep2 (ug/L) | %RSD | Conc | Rec | TV | LCL | UCL |
|---|-----|------|----------------|-------------|-------------|-------|---------|-------|-------|------|----------|
| Instrument Quality Control Samples | | | | | | | | | | | |
| CalibStd-Blk | 1 | | 0.002 | 0.000 | 0.000 | 16.26 | 0.0017 | | | | |
| STD4 | 1 | | 3.387 | 0.000 | 0.000 | 0.24 | 3.4 | | | | |
| ICV1 | 1 | PASS | 503.700 | 502.400 | 504.900 | 0.35 | 503.70 | 100.7 | 500.0 | 90 | 110 |
| ICB1 | 1 | PASS | 0.478 | 0.361 | 0.595 | 34.67 | 0.5 | | | | +/-20.00 |
| ICSA1 | 1 | PASS | -4.743 | -4.722 | -4.764 | 0.64 | -4.7 | | | -105 | 105 |
| ICSAB1 | 1 | PASS | 979.500 | 979.400 | 979.600 | 0.02 | 980 | 100.9 | 971 | 80 | 120 |
| CRI1 | 1 | PASS | 21.020 | 20.960 | 21.090 | 0.45 | 21.02 | 105.1 | 20.0 | 50 | 150 |
| CCV1 | 1 | PASS | 200.600 | 200.900 | 200.200 | 0.24 | 200.60 | 100.3 | 200.0 | 90 | 110 |
| CCB1 | 1 | PASS | 0.761 | 0.650 | 0.873 | 20.70 | 0.8 | | | | +/-20.00 |
| CCV2 | 1 | PASS | 200.300 | 200.200 | 200.300 | 0.06 | 200.30 | 100.2 | 200.0 | 90 | 110 |
| CCB2 | 1 | PASS | 0.234 | 0.360 | 0.108 | 76.41 | 0.2 | | | | +/-20.00 |
| CCV3 | 1 | PASS | 200.500 | 200.500 | 200.600 | 0.02 | 200.50 | 100.2 | 200.0 | 90 | 110 |
| CCB3 | 1 | PASS | 0.243 | 0.323 | 0.162 | 47.05 | 0.2 | | | | +/-20.00 |
| Quality Control and Field Samples | | | | | | | | | | | |
| PBS052010A | 1 | PASS | 0.932 | 0.952 | 0.911 | 3.09 | 0.093 | | | | +/-20.00 |
| LCSS052010A | 1 | PASS | 480.700 | 481.200 | 480.200 | 0.15 | 48.1 | 96.2 | 50.0 | 40.0 | 60.0 |
| 829330 | 1 | PASS | 135.200 | 135.200 | 135.200 | 0.02 | 12.6 | | | | |
| 829330L | 5 | FAIL | 141.400 | 141.000 | 141.800 | 0.42 | 707.00 | | | | |
| 829330A | 1 | PASS | 593.600 | 593.300 | 593.800 | 0.07 | 593.60 | 91.7 | 500.0 | 80 | 120 |
| 829330MS | 1 | PASS | 576.300 | 576.000 | 576.500 | 0.07 | 50.1130 | 86.2 | 43.48 | 80 | 120 |
| 829330DP | 1 | FAIL | 96.200 | 96.330 | 96.080 | 0.18 | 9.1619 | | | | |
| 829331 | 1 | PASS | 615.700 | 614.100 | 617.400 | 0.39 | 52.6 | | | | |
| 829332 | 1 | PASS | 515.900 | 516.800 | 515.000 | 0.24 | 47.8 | | | | |
| 829333 | 1 | PASS | 204.300 | 203.500 | 205.100 | 0.55 | 18.6 | | | | |
| 829334 | 1 | PASS | 0.741 | 0.777 | 0.705 | 6.96 | 0.074 | | | | |
| 829620 | 1 | PASS | 746.100 | 745.400 | 746.900 | 0.14 | 54.9 | | | | |
| 829621 | 1 | PASS | 850.000 | 849.200 | 850.700 | 0.12 | 63.4 | | | | |
| 829622 | 1 | PASS | 632.200 | 633.400 | 630.900 | 0.28 | 51.8 | | | | |
| 829623 | 1 | PASS | 845.800 | 845.800 | 845.900 | 0.01 | 61.3 | | | | |
| 829623L | 5 | FAIL | 938.900 | 937.300 | 940.500 | 0.24 | 4694.50 | | | | |
| 829623MS | 1 | FAIL | 1191.000 | 1191.000 | 1190.000 | 0.07 | 88.2222 | 72.7 | 37.04 | 80 | 120 |
| 829623DP | 1 | PASS | 734.700 | 733.900 | 735.400 | 0.14 | 58.7760 | | | | |

Sample Name: CalibStd-Blk Acquired: 5/21/2010 13:17:13 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|----------------|---------------|---------------|----------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0061 | -0.0016 | .0005 | .0004 | -0.0003 |
| Stddev | .0021 | .0020 | .0001 | .0001 | .0000 |
| %RSD | 34.37 | 125.6 | 24.52 | 21.48 | 11.47 |
| #1 | -0.0076 | -0.0002 | .0006 | .0004 | -0.0003 |
| #2 | -0.0047 | -0.0030 | .0004 | .0005 | -0.0003 |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0015 | -0.0005 | -0.0028 | -0.0034 | -0.0004 |
| Stddev | .0017 | .0002 | .0002 | .0003 | .0004 |
| %RSD | 109.8 | 42.24 | 5.730 | 9.189 | 94.59 |
| #1 | -0.0027 | -0.0006 | -0.0027 | -0.0032 | -0.0006 |
| #2 | -0.0003 | -0.0003 | -0.0029 | -0.0037 | -0.0001 |
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0898 | -0.0073 | -0.0251 | -0.0002 | .0019 |
| Stddev | .0004 | .0010 | .0011 | .0003 | .0020 |
| %RSD | .4958 | 13.66 | 4.291 | 156.2 | 110.5 |
| #1 | .0901 | -0.0080 | -0.0243 | .0000 | .0033 |
| #2 | .0895 | -0.0066 | -0.0258 | -0.0003 | .0004 |

Sample Name: CalibStd-Blk Acquired: 5/21/2010 13:17:13 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|--------|----------------|---------------|----------------|----------------|---------------|
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0000 | -0.0290 | .0037 | -0.0004 | -0.0128 |
| Stddev | .000 | .0019 | .0003 | .0002 | .0006 |
| %RSD | 227.3 | 6.411 | 7.207 | 44.29 | 4.607 |
| #1 | .0000 | -0.0303 | .0039 | -0.0005 | -0.0124 |
| #2 | -0.0001 | -0.0277 | .0035 | -0.0003 | -0.0133 |
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -0.0002 | .0016 | .0843 | .0002 | .0119 |
| Stddev | .0000 | .0001 | .0022 | .0000 | .0007 |
| %RSD | 3.236 | 9.168 | 2.579 | 18.96 | 6.119 |
| #1 | -0.0002 | .0015 | .0828 | .0002 | .0124 |
| #2 | -0.0002 | .0017 | .0859 | .0003 | .0114 |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | |
| Avg | -0.0080 | -0.0019 | -0.0055 | .0017 | |
| Stddev | .0005 | .0003 | .0021 | .0003 | |
| %RSD | 6.842 | 16.87 | 38.66 | 16.26 | |
| #1 | -0.0076 | -0.0021 | -0.0070 | .0015 | |
| #2 | -0.0083 | -0.0017 | -0.0040 | .0019 | |

Analyst: TFS

Sample Name: CalibStd-Blk Acquired: 5/21/2010 13:17:13 Type: Cal
 Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 444.70 | 4142.6 | 4122.9 | 5885.4 |
| Stddev | 2.24 | 22.9 | 16.6 | .2 |
| %RSD | .50299 | .55389 | .40246 | .00372 |
| #1 | 446.28 | 4158.8 | 4134.6 | 5885.6 |
| #2 | 443.12 | 4126.3 | 4111.1 | 5885.2 |

Sample Name: STD7 Acquired: 5/21/2010 13:21:06 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|--------|---------------|---------------|----------------|---------------|---------------|
| Elem | Al-HL | Ca-HL | Fe-LL2 | K-LL | Mg-LL |
| Line | 396.152 { 85} | 318.128 {106} | 271.441 {124}2 | 766.490 { 44} | 279.079 {121} |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.651 | .7868 | 8.603 | 1.746 | .9193 |
| Stddev | .006 | .0014 | .003 | .007 | .0001 |
| %RSD | .2382 | .1751 | .0345 | .3963 | .0154 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 2.647 | .7858 | 8.605 | 1.741 | .9192 |
| #2 | 2.655 | .7877 | 8.601 | 1.751 | .9194 |

| | |
|--------|---------------|
| Elem | Na-LL |
| Line | 589.592 { 57} |
| IS Ref | (Y_HWRD) |
| Units | Cts/S |
| Avg | 5.656 |
| Stddev | .015 |
| %RSD | .2689 |

| | |
|----|-------|
| #1 | 5.645 |
| #2 | 5.666 |

| | | |
|-----------|---------------|---------------|
| Int. Std. | Y_HWAX | Y_HWRD |
| Line | 224.306 {150} | 371.030 { 91} |
| Units | Cts/S | Cts/S |
| Avg | 4037.8 | 5773.0 |
| Stddev | 9.3 | 12.3 |
| %RSD | .23041 | .21275 |

| | | |
|----|--------|--------|
| #1 | 4031.2 | 5764.4 |
| #2 | 4044.4 | 5781.7 |

Sample Name: STD8 Acquired: 5/21/2010 13:24:57 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| | | | | | |
|-----------|---------------|---------------|---------------|---------------|----------------|
| Elem | As-LL | Pb-LL | Sb-LL | Se-LL | Sn1899-2 |
| Line | 189.042 (479) | 220.353 (453) | 206.833 (463) | 196.090 (472) | 189.989 (477)2 |
| IS Ref | (Y_-LWAX) | (In2306) | (Y_-LWAX) | (Y_-LWAX) | (Y_-LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0637 | 2.959 | .0765 | .0484 | .1812 |
| Stddev | .0001 | .016 | .0002 | .0006 | .0003 |
| %RSD | .0896 | .5530 | .2512 | 1.331 | .1502 |
| #1 | .0637 | 2.948 | .0763 | .0479 | .1810 |
| #2 | .0637 | 2.971 | .0766 | .0488 | .1814 |
| Elem | Ti-LL | | | | |
| Line | 190.856 (477) | | | | |
| IS Ref | (In2306) | | | | |
| Units | Cts/S | | | | |
| Avg | .9920 | | | | |
| Stddev | .0009 | | | | |
| %RSD | .0908 | | | | |
| #1 | .9927 | | | | |
| #2 | .9914 | | | | |
| Int. Std. | In2306 | Y_-LWAX | | | |
| Line | 230.606 (446) | 224.306 (450) | | | |
| Units | Cts/S | Cts/S | | | |
| Avg | 447.70 | 4188.6 | | | |
| Stddev | .32 | .1 | | | |
| %RSD | .07178 | .00311 | | | |
| #1 | 447.93 | 4188.7 | | | |
| #2 | 447.47 | 4188.5 | | | |

Sample Name: STD4 Acquired: 5/21/2010 13:28:55 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | B -LL | Ba-LL | Be-LL | Cd-HL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 {103}2 | 208.959 {461} | 233.527 {144} | 313.042 {108} | 228.802 {447} |
| IS Ref | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.282 | .3691 | .1017 | 2.463 | .9537 |
| Stddev | .001 | .0018 | .0003 | .002 | .0020 |
| %RSD | .0279 | .4747 | .2907 | .0883 | .2098 |
| #1 | 2.281 | .3679 | .1015 | 2.464 | .9522 |
| #2 | 2.282 | .3703 | .1019 | 2.461 | .9551 |

| Elem | Co-LL | Cr-LL | Cu-LL | Mn-LL | Mo-LL |
|--------|---------------|---------------|----------------|----------------|---------------|
| Line | 228.616 {447} | 205.552 {464} | 324.754 {104}2 | 257.610 {131}2 | 202.030 {467} |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 1.044 | 1.479 | 6.835 | 24.32 | .8806 |
| Stddev | .002 | .003 | .015 | .03 | .0057 |
| %RSD | .2258 | .2116 | .2260 | .1354 | .6461 |
| #1 | 1.042 | 1.477 | 6.846 | 24.34 | .8766 |
| #2 | 1.046 | 1.481 | 6.824 | 24.29 | .8846 |

| Elem | Ni-LL | P -HL | Si-LL | Sr-LL | Ti-LL |
|--------|---------------|---------------|---------------|---------------|----------------|
| Line | 231.604 {445} | 178.284 {489} | 288.158 {117} | 407.771 { 83} | 334.904 {101}2 |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWAX) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .5987 | .0813 | 4.350 | 61.78 | 5.350 |
| Stddev | .0008 | .0002 | .001 | .83 | .005 |
| %RSD | .1357 | .2798 | .0252 | 1.336 | .0860 |
| #1 | .5981 | .0811 | 4.351 | 62.36 | 5.354 |
| #2 | .5993 | .0815 | 4.349 | 61.19 | 5.347 |

Sample Name: STD4 Acquired: 5/21/2010 13:28:55 Type: Cal
Method: 6010B(v54) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | V -LL | Zn-LL2 |
|--------|----------------|---------------|
| Line | 292.402 {115}2 | 213.856 {458} |
| IS Ref | (Y_HWAX) | (Y_LWAX) |
| Units | Cts/S | Cts/S |
| Avg | 3.249 | 3.387 |
| Stddev | .011 | .008 |
| %RSD | .3402 | .2402 |
| #1 | 3.256 | 3.382 |
| #2 | 3.241 | 3.393 |

| Int. Std. | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|
| Line | 224.306 {150} | 224.306 {450} | 371.030 { 91} |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 4166.9 | 4168.3 | 5870.1 |
| Stddev | 8.5 | 2.3 | 28.6 |
| %RSD | .20433 | .05493 | .48776 |
| #1 | 4160.9 | 4169.9 | 5849.9 |
| #2 | 4173.0 | 4166.6 | 5890.4 |

Sample Name: ICV Acquired: 5/21/2010 13:32:54 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 496.9 | 26340. | 264.2 | 504.3 | 500.6 |
| Stddev | .0 | 117. | 2.2 | .3 | 3.0 |
| %RSD | .0066 | .4445 | .8455 | .0582 | .5966 |
| #1 | 496.9 | 26250. | 265.7 | 504.5 | 498.5 |
| #2 | 496.9 | 26420. | 262.6 | 504.1 | 502.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 511.0 | 25670. | 487.7 | 485.1 | 489.1 |
| Stddev | 1.7 | 22. | .4 | .5 | 1.5 |
| %RSD | .3404 | .0847 | .0720 | .1054 | .3147 |
| #1 | 509.8 | 25660. | 487.4 | 485.5 | 488.0 |
| #2 | 512.2 | 25690. | 487.9 | 484.8 | 490.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/21/2010 13:32:54 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 478.6 | 26070. | 26090. | 25140. | 481.6 |
| Stddev | .1 | 2. | 183. | 15. | 1.7 |
| %RSD | .0252 | .0061 | .7027 | .0601 | .3606 |
| #1 | 478.7 | 26070. | 25960. | 25150. | 482.9 |
| #2 | 478.5 | 26070. | 26220. | 25130. | 480.4 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 518.2 | 25360. | 473.9 | 518.3 | 1004. |
| Stddev | .1 | 106. | .7 | 2.7 | 3. |
| %RSD | .0137 | .4187 | .1375 | .5118 | .2886 |
| #1 | 518.1 | 25280. | 473.5 | 516.4 | 1002. |
| #2 | 518.2 | 25430. | 474.4 | 520.2 | 1006. |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/21/2010 13:32:54 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 258.4 | 259.0 | 268.9 | 226.5 | 495.7 |
| Stddev | 3.3 | .2 | 4.2 | .8 | 1.4 |
| %RSD | 1.263 | .0935 | 1.545 | .3497 | .2911 |
| #1 | 256.1 | 258.8 | 271.8 | 227.1 | 496.8 |
| #2 | 260.7 | 259.2 | 266.0 | 225.9 | 494.7 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 508.3 | 249.3 | 508.7 | 503.7 |
| Stddev | 2.8 | .1 | .3 | 1.8 |
| %RSD | .5446 | .0488 | .0679 | .3502 |
| #1 | 510.2 | 249.4 | 508.5 | 502.4 |
| #2 | 506.3 | 249.2 | 509.0 | 504.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICV Acquired: 5/21/2010 13:32:54 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 424.02 | 4070.7 | 4096.3 | 5787.0 |
| Stddev | 1.04 | 25.3 | 5.4 | 49.5 |
| %RSD | .24498 | .62069 | .13192 | .85594 |
| #1 | 424.75 | 4052.9 | 4092.5 | 5822.0 |
| #2 | 423.28 | 4088.6 | 4100.1 | 5751.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: ICB Acquired: 5/21/2010 13:36:49 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1546 | -7.758 | .4096 | 1.527 | .2098 |
| Stddev | .3184 | 41.04 | 1.232 | .860 | .2430 |
| %RSD | 206.0 | 529.1 | 300.7 | 56.33 | 115.8 |

#1 -.0705 21.26 -.4613 .9190 .0380
 #2 .3797 -36.78 1.281 2.136 .3816

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1747 | 77.24 | .0257 | .1886 | .0927 |
| Stddev | .1352 | 12.20 | .1631 | .3223 | .3211 |
| %RSD | 77.39 | 15.80 | 634.6 | 171.0 | 346.3 |

#1 .0791 68.61 -.0896 .4165 -.1343
 #2 .2703 85.87 .1410 -.0394 .3198

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICB Acquired: 5/21/2010 13:36:49 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3640 | 11.73 | 112.7 | 84.30 | .2444 |
| Stddev | .2516 | .45 | 3.9 | 12.53 | .3273 |
| %RSD | 69.12 | 3.803 | 3.487 | 14.86 | 133.9 |

#1 .1861 12.04 110.0 93.16 .0130
 #2 .5419 11.41 115.5 75.44 .4758

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.122 | 28.87 | .5598 | .8577 | 2.522 |
| Stddev | .647 | 18.33 | .2804 | .3810 | 1.465 |
| %RSD | 30.50 | 63.50 | 50.08 | 44.42 | 58.09 |

#1 2.580 15.91 .3616 .5883 1.486
 #2 1.664 41.84 .7581 1.127 3.558

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICB Acquired: 5/21/2010 13:36:49 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.608 | -.1064 | 1.815 | -.4213 | .2814 |
| Stddev | .594 | 1.649 | 1.702 | .0676 | .2324 |
| %RSD | 22.76 | 1549. | 93.78 | 16.05 | 82.56 |

#1 2.188 1.059 3.018 -.4691 .1171
 #2 3.028 -1.272 .6112 -.3735 .4457

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.3346 | .2486 | -.8016 | .4776 |
| Stddev | .3628 | 1.348 | .3122 | .1656 |
| %RSD | 108.4 | 542.1 | 38.94 | 34.67 |

#1 -.0781 -.7043 -.5809 .3605
 #2 -.5911 1.201 -1.022 .5947

Check ? High Limit Low Limit
 Check ? High Limit Low Limit

Sample Name: ICB Acquired: 5/21/2010 13:36:49 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 449.77 | 4158.2 | 4180.7 | 5808.3 |
| Stddev | 3.83 | 6.4 | 16.0 | 11.2 |
| %RSD | .85084 | .15465 | .38209 | .19259 |

#1 447.07 4162.8 4169.4 5800.4
 #2 452.48 4153.7 4192.0 5816.2

LLC 314.8 2910.7 2926.5 4065.8
 ULL 584.7 5405.7 5434.9 7550.8

Sample Name: ICSA Acquired: 5/21/2010 13:40:45 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6445 | 515600. | 2.685 | 1.783 | 2.418 |
| Stddev | .0827 | 719. | 3.538 | 1.666 | 1.522 |
| %RSD | 12.83 | .1395 | 131.8 | 93.41 | 62.95 |

#1 -7030 515100. 5.186 2.961 3.495
 #2 -5861 516100. .1834 .6054 1.342

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1592 | 496400. | .9150 | 2.164 | 8.038 |
| Stddev | .0042 | 1403. | .2010 | .025 | .194 |
| %RSD | 2.620 | .2826 | 21.97 | 1.152 | 2.413 |

#1 .1563 495400. .7729 2.182 8.176
 #2 .1622 497400. 1.057 2.147 7.901

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/21/2010 13:40:45 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.040 | 196800. | -36.48 | 496000. | .9254 |
| Stddev | .242 | 383. | 20.93 | 1200. | .0411 |
| %RSD | 23.29 | .1945 | 57.36 | .2420 | 4.445 |

#1 -.8689 196500. -51.28 495100. .9545
 #2 -1.212 197100. -21.68 496800. .8964

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (in2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1015 | 58.32 | -6.820 | 1.481 | 5.818 |
| Stddev | .1636 | 16.11 | .526 | .433 | 1.574 |
| %RSD | 161.3 | 27.63 | 7.716 | 29.25 | 27.05 |

#1 .0142 69.71 -6.448 1.787 4.705
 #2 -.2172 46.92 -7.192 1.174 6.930

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/21/2010 13:40:45 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.641 | -6.820 | 15.43 | -1.368 | 16.51 |
| Stddev | 1.217 | 1.808 | .26 | 1.213 | .02 |
| %RSD | 46.08 | 26.50 | 1.655 | 88.69 | .0996 |

#1 -3.501 -5.542 15.25 -5.100 16.50
 #2 -1.780 -8.098 15.61 -2.225 16.53

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (in2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6.122 | 3.949 | -5.191 | -4.743 |
| Stddev | .284 | 3.377 | .401 | .030 |
| %RSD | 4.639 | 85.52 | 7.723 | .6359 |

#1 6.323 1.561 -5.474 -4.722
 #2 5.922 6.337 -4.907 -4.764

Check ?
 High Limit
 Low Limit

Sample Name: ICSA Acquired: 5/21/2010 13:40:45 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 373.57 | 3806.6 | 3836.7 | 5653.4 |
| Stddev | 2.45 | 3.5 | 27.4 | 10.4 |
| %RSD | .65638 | .09247 | .71415 | .18396 |

#1 371.84 3809.1 3817.4 5646.1
 #2 375.30 3804.1 3856.1 5660.8

Sample Name: ICSAB Acquired: 5/21/2010 13:44:33 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.4 | 505800. | 93.12 | 1450. | 466.6 |
| Stddev | .0 | 1126. | 1.23 | 9. | 8.0 |
| %RSD | .0155 | .2226 | 1.320 | .6255 | 1.720 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 196.4 | 506600. | 93.99 | 1444. | 472.2 |
| #2 | 196.3 | 505000. | 92.25 | 1457. | 460.9 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 494.7 | 486200. | 969.5 | 455.2 | 480.1 |
| Stddev | 1.4 | 1324. | 1.0 | 1.3 | 1.1 |
| %RSD | .2789 | .2724 | .1039 | .2902 | .2262 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 495.6 | 487100. | 968.8 | 454.3 | 480.8 |
| #2 | 493.7 | 485200. | 970.2 | 456.1 | 479.3 |

| | | | | | |
|---------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | |
| Range | | | | | |

Sample Name: ICSAB Acquired: 5/21/2010 13:44:33 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 493.9 | 194500. | 65.17 | 483500. | 470.1 |
| Stddev | .4 | 78. | 109.1 | 1164. | .1 |
| %RSD | .0775 | .0400 | 167.4 | .2407 | .0223 |

| | | | | | |
|----|-------|---------|--------|---------|-------|
| #1 | 494.1 | 194600. | -11.98 | 484300. | 470.0 |
| #2 | 493.6 | 194500. | 142.3 | 482700. | 470.2 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 992.5 | 52.22 | 887.5 | 501.1 | 49.95 |
| Stddev | 5.0 | 15.58 | .3 | 1.1 | 2.40 |
| %RSD | .5040 | 29.83 | .0346 | .2141 | 4.801 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 988.9 | 41.20 | 887.3 | 500.3 | 48.25 |
| #2 | 996.0 | 63.23 | 887.7 | 501.8 | 51.64 |

| | | | | | |
|---------|----------|------|----------|----------|----------|
| Check ? | Chk Pass | None | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | |
| Range | | | | | |

Sample Name: ICSAB Acquired: 5/21/2010 13:44:33 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 588.0 | 37.06 | 1026. | 1394. | 255.4 |
| Stddev | 1.7 | 1.36 | 3. | . | .8 |
| %RSD | .2817 | 3.674 | .2514 | .0233 | .3255 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 586.9 | 38.03 | 1024. | 1394. | 254.8 |
| #2 | 589.2 | 36.10 | 1028. | 1394. | 255.9 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 499.8 | 95.95 | 502.5 | 979.5 |
| Stddev | .3 | 2.05 | .4 | .2 |
| %RSD | .0658 | 2.141 | .0732 | .0155 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 500.0 | 94.49 | 502.3 | 979.4 |
| #2 | 499.5 | 97.40 | 502.8 | 979.6 |

| | | | | |
|---------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | |
| Range | | | | |

Sample Name: ICSAB Acquired: 5/21/2010 13:44:33 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 372.55 | 3858.1 | 3850.8 | 5727.3 |
| Stddev | 1.15 | 13.2 | 16.0 | 7.6 |
| %RSD | .30882 | .34275 | .41561 | .13261 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 371.74 | 3848.7 | 3839.5 | 5722.0 |
| #2 | 373.36 | 3867.4 | 3862.1 | 5732.7 |

Sample Name: CRI Acquired: 5/21/2010 13:48:19 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.65 | F 442.2 | 10.63 | 104.3 | 195.8 |
| Stddev | .34 | 4.1 | .65 | .2 | 3.8 |
| %RSD | 3.219 | .9369 | 6.158 | .2255 | 1.934 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 10.41 | 445.2 | 11.09 | 104.5 | 198.5 |
| #2 | 10.90 | 439.3 | 10.17 | 104.2 | 193.1 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 300.0 | | | |
| Low Limit | | 100.0 | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.383 | 5420 | 5.443 | 49.41 | 10.42 |
| Stddev | .005 | 6 | .212 | .35 | .03 |
| %RSD | .0977 | .1042 | 3.889 | .7104 | .2849 |

| | | | | | |
|----|-------|------|-------|-------|-------|
| #1 | 5.387 | 5424 | 5.293 | 49.66 | 10.40 |
| #2 | 5.379 | 5416 | 5.592 | 49.16 | 10.44 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CRI Acquired: 5/21/2010 13:48:19 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.80 | F 309.3 | 5376 | 5356 | 15.28 |
| Stddev | .50 | 12.9 | 40 | 8 | .02 |
| %RSD | 2.118 | 4.162 | .7429 | .1428 | .1600 |

| | | | | | |
|----|-------|-------|------|------|-------|
| #1 | 23.45 | 300.2 | 5404 | 5351 | 15.27 |
| #2 | 24.16 | 318.4 | 5347 | 5362 | 15.30 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 300.0 | | | |
| Low Limit | | 100.0 | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.65 | 5233 | 39.70 | 259.2 | 11.21 |
| Stddev | .56 | 18 | .12 | 2.1 | .33 |
| %RSD | 4.113 | .3494 | .2897 | .8034 | 2.964 |

| | | | | | |
|----|-------|------|-------|-------|-------|
| #1 | 14.05 | 5246 | 39.62 | 260.6 | 10.97 |
| #2 | 13.26 | 5220 | 39.78 | 257.7 | 11.44 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CRI Acquired: 5/21/2010 13:48:19 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 64.06 | 37.14 | 105.2 | 20.04 | 21.18 |
| Stddev | 1.21 | 1.19 | .1 | .60 | .02 |
| %RSD | 1.891 | 3.192 | .0626 | 2.989 | .0902 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 63.21 | 37.98 | 105.2 | 20.47 | 21.16 |
| #2 | 64.92 | 36.30 | 105.3 | 19.62 | 21.19 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 20.47 | 23.55 | 50.07 | 21.02 |
| Stddev | .02 | .01 | .34 | .09 |
| %RSD | .0768 | .0596 | .6725 | .4463 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 20.49 | 23.56 | 50.31 | 20.96 |
| #2 | 20.46 | 23.54 | 49.83 | 21.09 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CRI Acquired: 5/21/2010 13:48:19 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 449.40 | 4242.1 | 4236.8 | 5904.2 |
| Stddev | .64 | 6.5 | 4.0 | 1.2 |
| %RSD | .14193 | .15353 | .09464 | .02012 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 448.95 | 4246.7 | 4234.0 | 5903.3 |
| #2 | 449.85 | 4237.5 | 4239.7 | 5905.0 |

Sample Name: CCV Acquired: 5/21/2010 13:52:10 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 99.55 | 30420. | 104.2 | 724.5 | 197.9 |
| Stddev | .60 | 160. | 2.0 | .7 | 3.4 |
| %RSD | .6030 | .5257 | 1.959 | .0981 | 1.705 |
| #1 | 99.12 | 30310. | 102.8 | 725.0 | 195.5 |
| #2 | 99.97 | 30530. | 105.7 | 724.0 | 200.3 |

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.5 | 30190. | 98.96 | 193.0 | 196.9 |
| Stddev | .6 | 269. | .13 | .3 | .2 |
| %RSD | .5517 | .8916 | .1321 | .1573 | .1192 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 101.1 | 30000. | 98.86 | 192.7 | 196.7 |
| #2 | 101.9 | 30380. | 99.05 | 193.2 | 197.0 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/21/2010 13:52:10 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 193.2 | 30530. | 30200. | 30460. | 193.0 |
| Stddev | .4 | 66. | 156. | 83. | .2 |
| %RSD | .2266 | .2171 | .5162 | .2735 | .1170 |
| #1 | 192.8 | 30480. | 30090. | 30400. | 192.8 |
| #2 | 193.5 | 30580. | 30310. | 30520. | 193.1 |

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.3 | 30320. | 189.6 | 204.0 | 399.9 |
| Stddev | .6 | 114. | .2 | 3.0 | .5 |
| %RSD | .2845 | .3746 | .1198 | 1.453 | .1241 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 199.9 | 30240. | 189.4 | 206.1 | 400.3 |
| #2 | 200.7 | 30400. | 189.7 | 201.9 | 399.6 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/21/2010 13:52:10 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 303.6 | 99.96 | 1017. | 196.5 | 302.1 |
| Stddev | 2.2 | .23 | 3. | .4 | .2 |
| %RSD | .7269 | .2260 | .3361 | .1869 | .0559 |
| #1 | 305.2 | 100.1 | 1014. | 196.2 | 302.2 |
| #2 | 302.0 | 99.80 | 1019. | 196.7 | 302.0 |

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 400.0 | 102.5 | 202.4 | 200.6 |
| Stddev | .2 | .5 | .9 | .5 |
| %RSD | .0484 | .4719 | .4283 | .2428 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 400.1 | 102.9 | 201.8 | 200.9 |
| #2 | 399.9 | 102.2 | 203.0 | 200.2 |

Check ?
 High Limit
 Low Limit

Sample Name: CCV Acquired: 5/21/2010 13:52:10 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 428.88 | 4139.2 | 4152.9 | 5896.8 |
| Stddev | 2.90 | 18.6 | 16.6 | 23.4 |
| %RSD | .67725 | .44883 | .40050 | .39729 |
| #1 | 426.83 | 4152.3 | 4141.2 | 5913.3 |
| #2 | 430.94 | 4126.0 | 4164.7 | 5880.2 |

Sample Name: CCB Acquired: 5/21/2010 13:55:59 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3851 | F 109.2 | .5934 | 1.300 | -1.490 |
| Stddev | 1.124 | 7.7 | .8710 | .119 | 5.867 |
| %RSD | 292.0 | 7.080 | 146.8 | 9.131 | 393.8 |

| | | | | | |
|----|-------|-------|--------|-------|--------|
| #1 | -4099 | 114.6 | -.0225 | 1.216 | 2.659 |
| #2 | 1.180 | 103.7 | 1.209 | 1.384 | -5.638 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4215 | 165.5 | .1754 | .6052 | .3853 |
| Stddev | .2457 | 51.1 | .1756 | .1515 | .0203 |
| %RSD | 58.30 | 30.90 | 100.1 | 25.03 | 5.260 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .5952 | 201.6 | .2995 | .4981 | .3710 |
| #2 | .2477 | 129.3 | .0512 | .7124 | .3996 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | 100.0 | | | |

Sample Name: CCB Acquired: 5/21/2010 13:55:59 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.6471 | 50.31 | 6.850 | 110.3 | .5082 |
| Stddev | .1612 | 1.70 | 74.02 | 39.6 | .0851 |
| %RSD | 24.91 | 3.380 | 1081. | 35.86 | 16.75 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -.7611 | 49.10 | -45.49 | 82.37 | .5684 |
| #2 | -.5331 | 51.51 | 59.19 | 138.3 | .4480 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.024 | 77.44 | .1023 | -.0273 | 1.849 |
| Stddev | .278 | 22.29 | .7340 | 1.193 | 2.507 |
| %RSD | 27.17 | 28.78 | 717.6 | 4369. | 135.6 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 1.221 | 93.20 | .6213 | -.8710 | .0763 |
| #2 | .8276 | 61.68 | -.4167 | .8163 | 3.622 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

Sample Name: CCB Acquired: 5/21/2010 13:55:59 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.580 | .9208 | 2.673 | .1912 | .2094 |
| Stddev | .635 | .9503 | 2.044 | .2755 | .0209 |
| %RSD | 40.17 | 103.2 | 76.45 | 144.1 | 9.999 |

| | | | | | |
|----|-------|-------|-------|--------|-------|
| #1 | 2.029 | 1.593 | 1.228 | -.0036 | .2242 |
| #2 | 1.131 | .2488 | 4.118 | .3860 | .1946 |

| | | | | | |
|------------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | |
| Low Limit | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.0755 | -1.001 | .0047 | .7614 |
| Stddev | .1336 | 1.859 | .3003 | .1576 |
| %RSD | 176.9 | 185.7 | 6438. | 20.70 |

| | | | | |
|----|--------|--------|--------|-------|
| #1 | .0189 | -2.316 | .2170 | .6499 |
| #2 | -.1700 | .3134 | -.2076 | .8729 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

Sample Name: CCB Acquired: 5/21/2010 13:55:59 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 453.78 | 4196.9 | 4227.5 | 5887.9 |
| Stddev | .50 | 1.2 | 14.3 | 7.5 |
| %RSD | .11066 | .02974 | .33788 | .12802 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 454.14 | 4196.0 | 4237.6 | 5882.6 |
| #2 | 453.43 | 4197.8 | 4217.4 | 5893.2 |

Sample Name: PBS052010A Acquired: 5/21/2010 13:59:52 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0639 | 26.57 | -.2848 | 2.309 | 3.240 |
| Stddev | .1829 | 10.27 | 1.466 | .445 | .701 |
| %RSD | 286.4 | 38.67 | 514.7 | 19.28 | 21.63 |

| | | | | | |
|----|--------|-------|--------|-------|-------|
| #1 | -.1932 | 33.83 | .7516 | 2.623 | 3.735 |
| #2 | .0655 | 19.30 | -1.321 | 1.994 | 2.744 |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1376 | 21.00 | -.0072 | -.0753 | .1747 |
| Stddev | .0571 | 73.72 | .1402 | .5315 | .1011 |
| %RSD | 41.48 | 351.0 | 1959. | 705.9 | 57.85 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | .1779 | 73.13 | -.1063 | -.4511 | .2461 |
| #2 | .0972 | -31.12 | .0920 | .3005 | .1032 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: PBS052010A Acquired: 5/21/2010 13:59:52 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7246 | 25.18 | 135.7 | 14.02 | .3133 |
| Stddev | .8760 | 16.29 | 88.0 | 26.67 | .0714 |
| %RSD | 120.9 | 64.67 | 64.88 | 190.2 | 22.81 |

| | | | | | |
|----|--------|-------|-------|--------|-------|
| #1 | -1.344 | 36.70 | 197.9 | 32.88 | .3638 |
| #2 | -.1052 | 13.67 | 73.43 | -4.834 | .2627 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3194 | 38.29 | 1.006 | 6.052 | 1.979 |
| Stddev | .3007 | 52.14 | .669 | .918 | 2.747 |
| %RSD | 94.15 | 136.2 | 66.53 | 15.17 | 138.8 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | .5321 | 75.16 | 1.479 | 6.701 | .0364 |
| #2 | .1068 | 1.417 | .5328 | 5.403 | 3.921 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: PBS052010A Acquired: 5/21/2010 13:59:52 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.123 | 1.560 | 13.55 | 13.67 | .0631 |
| Stddev | .592 | 1.136 | 3.99 | .26 | .0109 |
| %RSD | 14.36 | 72.83 | 29.41 | 1.905 | 17.34 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 4.542 | .7567 | 16.37 | 13.86 | .0708 |
| #2 | 3.705 | 2.363 | 10.73 | 13.49 | .0553 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.3358 | -3.904 | -.2934 | .9317 |
| Stddev | .3002 | 1.624 | .3043 | .0288 |
| %RSD | 89.41 | 41.61 | 103.7 | 3.094 |

| | | | | |
|----|--------|--------|--------|-------|
| #1 | -.5481 | -2.755 | -.0782 | .9521 |
| #2 | -.1235 | -5.052 | -.5085 | .9114 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: PBS052010A Acquired: 5/21/2010 13:59:52 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 448.83 | 4212.3 | 4223.4 | 5931.2 |
| Stddev | .70 | 10.4 | 5.9 | 26.6 |
| %RSD | .15522 | .24774 | .13981 | .44802 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 449.33 | 4204.9 | 4227.6 | 5912.4 |
| #2 | 448.34 | 4219.7 | 4219.3 | 5950.0 |

Sample Name: LCSS052010A Acquired: 5/21/2010 14:03:47 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 247.8 | 2223. | 241.6 | 467.7 | 1995. |
| Stddev | .1 | 60. | 1.6 | .1 | 12. |
| %RSD | .0347 | 2.713 | .6756 | .0122 | .6260 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 247.9 | 2180. | 242.7 | 467.7 | 2004. |
| #2 | 247.8 | 2265. | 240.4 | 467.6 | 1986. |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.75 | 19980. | 239.6 | 440.7 | 208.6 |
| Stddev | .11 | 49. | .6 | .5 | .0 |
| %RSD | .2079 | .2472 | .2436 | .1194 | .0014 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 53.68 | 20020. | 240.0 | 440.3 | 208.6 |
| #2 | 53.83 | 19950. | 239.2 | 441.1 | 208.6 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS052010A Acquired: 5/21/2010 14:03:47 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 255.1 | 1178. | 20540. | 19370. | 478.7 |
| Stddev | 1.0 | 1. | 97. | 155. | 1.3 |
| %RSD | .4083 | .1068 | .4713 | .8012 | .2673 |

| | | | | | |
|----|-------|-------|--------|--------|-------|
| #1 | 254.4 | 1179. | 20610. | 19260. | 477.8 |
| #2 | 255.8 | 1177. | 20470. | 19480. | 479.6 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 493.2 | 19780. | 470.6 | 501.2 | 221.3 |
| Stddev | .5 | 31. | .4 | 1.3 | 1.1 |
| %RSD | .1106 | .1551 | .0808 | .2549 | .4981 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 492.8 | 19810. | 470.3 | 502.1 | 222.1 |
| #2 | 493.6 | 19760. | 470.9 | 500.3 | 220.5 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: LCSS052010A Acquired: 5/21/2010 14:03:47 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 471.8 | 239.3 | 495.2 | 528.7 | 484.5 |
| Stddev | .3 | 3.9 | .8 | .3 | .6 |
| %RSD | .0611 | 1.639 | .1607 | .0556 | .1193 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 471.6 | 242.0 | 495.8 | 528.5 | 484.1 |
| #2 | 472.0 | 236.5 | 494.7 | 528.9 | 484.9 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 496.2 | 247.3 | 496.2 | 480.7 |
| Stddev | .2 | .0 | .9 | .7 |
| %RSD | .0419 | .0065 | .1789 | .1519 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 496.0 | 247.3 | 495.5 | 481.2 |
| #2 | 496.3 | 247.3 | 496.8 | 480.2 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: LCSS052010A Acquired: 5/21/2010 14:03:47 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 427.68 | 4090.9 | 4128.3 | 5794.7 |
| Stddev | 1.71 | 17.1 | 2.6 | 21.2 |
| %RSD | .39948 | .41739 | .06218 | .36600 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 426.47 | 4102.9 | 4126.5 | 5809.7 |
| #2 | 428.89 | 4078.8 | 4130.2 | 5779.7 |

Sample Name: 829330 Acquired: 5/21/2010 14:07:40 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3886 | 13670. | 11.05 | 18.60 | 630.0 |
| Stddev | .2233 | 98. | 1.23 | .22 | .4 |
| %RSD | 57.47 | .7172 | 11.09 | 1.182 | .0565 |
| #1 | -2307 | 13740. | 11.92 | 18.75 | 629.8 |
| #2 | -5465 | 13600. | 10.19 | 18.44 | 630.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.085 | 86520. | .7134 | 11.67 | 16.76 |
| Stddev | .088 | 389. | .1503 | .21 | .04 |
| %RSD | 8.139 | .4493 | 21.06 | 1.784 | .2549 |
| #1 | 1.022 | 86800. | .8196 | 11.82 | 16.79 |
| #2 | 1.147 | 86250. | .6071 | 11.52 | 16.73 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330 Acquired: 5/21/2010 14:07:40 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 77.78 | 16030. | 13450. | 10120. | 353.4 |
| Stddev | 1.58 | 24. | 110. | 34. | .3 |
| %RSD | 2.026 | .1495 | .8210 | .3364 | .0987 |
| #1 | 76.66 | 16020. | 13370. | 10140. | 353.1 |
| #2 | 78.89 | 16050. | 13520. | 10090. | 353.6 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 62.99 | 418.7 | 19.32 | 2538. | 18.51 |
| Stddev | .53 | 7.7 | .20 | 2. | 2.05 |
| %RSD | .8401 | 1.838 | 1.016 | .0667 | 11.06 |
| #1 | 63.37 | 424.1 | 19.46 | 2539. | 17.06 |
| #2 | 62.62 | 413.3 | 19.18 | 2537. | 19.96 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330 Acquired: 5/21/2010 14:07:40 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|--------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.864 | 3.080 | 2873. | 9.220 | 363.3 |
| Stddev | 2.275 | .681 | 6. | .411 | 1.4 |
| %RSD | 122.0 | 22.10 | .1978 | 4.463 | .3899 |
| #1 | .2554 | 3.562 | 2869. | 9.511 | 364.3 |
| #2 | 3.473 | 2.599 | 2877. | 8.929 | 362.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 381.7 | -3.093 | 68.99 | 135.2 | |
| Stddev | .1 | 2.517 | 1.06 | .0 | |
| %RSD | .0217 | 81.38 | 1.543 | .0183 | |
| #1 | 381.7 | -1.313 | 68.23 | 135.2 | |
| #2 | 381.8 | -4.873 | 69.74 | 135.2 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330 Acquired: 5/21/2010 14:07:40 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|--------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 432.55 | 4162.7 | 4209.8 | 5950.4 |
| Stddev | .13 | 24.5 | 6.8 | .0 |
| %RSD | .02956 | .58887 | .16072 | .00083 |
| #1 | 432.64 | 4180.0 | 4214.6 | 5950.4 |
| #2 | 432.46 | 4145.3 | 4205.0 | 5950.4 |

Sample Name: 829330L Acquired: 5/21/2010 14:11:38 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|---------------|---------------|---------------|
| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.510 | 14130. | 4.144 | 20.19 | 647.9 |
| Stddev | 1.800 | 169. | 4.993 | 3.23 | 3.5 |
| %RSD | 119.2 | 1.198 | 120.5 | 16.02 | .5348 |
| #1 | .2378 | 14010. | 7.674 | 17.91 | 650.4 |
| #2 | 2.783 | 14250. | .6137 | 22.48 | 645.5 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.029 | 87810. | .4668 | 12.62 | 15.79 |
| Stddev | .512 | 653. | .1707 | 1.94 | 2.18 |
| %RSD | 49.72 | .7440 | 36.55 | 15.40 | 13.81 |
| #1 | .6675 | 87350. | .3462 | 14.00 | 14.25 |
| #2 | 1.391 | 88270. | .5875 | 11.25 | 17.33 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330L Acquired: 5/21/2010 14:11:38 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|----------------|---------------|---------------|----------------|
| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 73.75 | 16370. | 14160. | 10430. | 360.7 |
| Stddev | .86 | 53. | 311. | 309. | 1.0 |
| %RSD | 1.168 | .3238 | 2.193 | 2.963 | .2663 |
| #1 | 74.36 | 16330. | 14380. | 10650. | 360.0 |
| #2 | 73.14 | 16410. | 13940. | 10220. | 361.4 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 63.13 | 592.4 | 17.02 | 2565. | 19.70 |
| Stddev | 1.47 | 221.7 | 3.15 | 1. | 2.02 |
| %RSD | 2.326 | 37.43 | 18.53 | .0337 | 10.24 |
| #1 | 64.17 | 435.6 | 19.25 | 2565. | 18.27 |
| #2 | 62.09 | 749.2 | 14.79 | 2564. | 21.12 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330L Acquired: 5/21/2010 14:11:38 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | | |
|---------|----------------|---------------|----------------|----------------|---------------|
| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.98 | -2.039 | 2802. | 9.812 | 373.5 |
| Stddev | 5.11 | 17.76 | 1. | 2.146 | 3.5 |
| %RSD | 46.53 | 871.1 | .0294 | 21.87 | .9316 |
| #1 | 14.59 | 10.52 | 2803. | 11.33 | 371.0 |
| #2 | 7.367 | -14.60 | 2802. | 8.295 | 375.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |
| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 | |
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) | |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) | |
| Units | ppb | ppb | ppb | ppb | |
| Avg | 380.7 | -7.079 | 65.98 | 141.4 | |
| Stddev | .7 | 1.388 | .79 | .6 | |
| %RSD | .1949 | 19.61 | 1.197 | .4189 | |
| #1 | 380.2 | -8.061 | 65.42 | 141.0 | |
| #2 | 381.3 | -6.098 | 66.54 | 141.8 | |
| Check ? | None | None | None | None | |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330L Acquired: 5/21/2010 14:11:38 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| | | | | |
|-----------|---------------|---------------|---------------|---------------|
| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 450.67 | 4228.6 | 4253.1 | 5943.6 |
| Stddev | 2.98 | 5.6 | 16.1 | 13.9 |
| %RSD | .66098 | .13300 | .37779 | .23366 |
| #1 | 448.56 | 4224.7 | 4241.7 | 5953.4 |
| #2 | 452.78 | 4232.6 | 4264.5 | 5933.7 |

Sample Name: 829330A Acquired: 5/21/2010 14:15:31 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7672 | 15650. | 50.70 | 483.5 | 2565. |
| Stddev | .4263 | 67. | 2.18 | .7 | 6. |
| %RSD | 55.56 | .4257 | 4.298 | .1438 | .2332 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -4658 | 15600. | 52.24 | 483.0 | 2561. |
| #2 | -1.069 | 15700. | 49.16 | 484.0 | 2569. |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 53.49 | 85830. | 50.20 | 458.7 | 217.9 |
| Stddev | .12 | 164. | .08 | .4 | .0 |
| %RSD | .2157 | .1906 | .1571 | .0962 | .0054 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 53.41 | 85710. | 50.26 | 458.4 | 217.9 |
| #2 | 53.58 | 85940. | 50.15 | 459.0 | 217.9 |

Check ? Value Range

Sample Name: 829330A Acquired: 5/21/2010 14:15:31 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 324.4 | 16940. | 13420. | 10000. | 815.2 |
| Stddev | .3 | 1. | 164. | 77. | 2.1 |
| %RSD | .1021 | .0033 | 1.219 | .7734 | .2539 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 324.6 | 16940. | 13300. | 9949. | 816.7 |
| #2 | 324.1 | 16940. | 13530. | 10060. | 813.7 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 545.9 | 432.3 | 467.5 | 2996. | 39.01 |
| Stddev | .1 | 29.2 | .2 | 7. | .34 |
| %RSD | .0250 | 6.763 | .0469 | .2465 | .8612 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 545.8 | 411.7 | 467.3 | 2991. | 38.77 |
| #2 | 546.0 | 453.0 | 467.7 | 3001. | 39.25 |

Check ? Value Range

Sample Name: 829330A Acquired: 5/21/2010 14:15:31 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 468.3 | 54.55 | 3327. | 457.4 | 820.9 |
| Stddev | 1.1 | .44 | 2. | 3.2 | 5.2 |
| %RSD | .2372 | .8131 | .0679 | .6896 | .6357 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 469.0 | 54.24 | 3328. | 455.2 | 817.2 |
| #2 | 467.5 | 54.87 | 3325. | 459.6 | 824.5 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 841.0 | 50.75 | 553.4 | 593.6 |
| Stddev | 2.7 | 1.64 | .4 | .4 |
| %RSD | .3254 | 3.221 | .0638 | .0664 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 842.9 | 49.59 | 553.2 | 593.3 |
| #2 | 839.0 | 51.91 | 553.7 | 593.8 |

Check ? Value Range

Sample Name: 829330A Acquired: 5/21/2010 14:15:31 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 434.14 | 4172.6 | 4214.8 | 5936.2 |
| Stddev | 1.81 | 8.6 | 8.4 | 30.3 |
| %RSD | .41723 | .20602 | .19891 | .51101 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 435.42 | 4166.5 | 4208.9 | 5957.7 |
| #2 | 432.86 | 4178.6 | 4220.7 | 5914.8 |

Sample Name: 829330MS Acquired: 5/21/2010 14:19:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 47.87 | 14890. | 47.84 | 451.5 | 2382. |
| Stddev | .40 | 114. | 2.87 | 3.7 | 6. |
| %RSD | .8266 | .7678 | 5.997 | .8292 | .2666 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 47.59 | 14800. | 45.81 | 448.8 | 2377. |
| #2 | 48.15 | 14970. | 49.87 | 454.1 | 2386. |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.24 | 65940. | 48.22 | 423.6 | 210.9 |
| Stddev | .54 | 316. | .06 | .7 | .1 |
| %RSD | 1.060 | .4795 | .1216 | .1588 | .0260 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 50.85 | 65710. | 48.18 | 423.1 | 210.9 |
| #2 | 51.62 | 66160. | 48.26 | 424.1 | 210.8 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330MS Acquired: 5/21/2010 14:19:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 310.5 | 13480. | 15020. | 8431. | 728.5 |
| Stddev | .5 | 2. | 194. | 20. | .8 |
| %RSD | .1574 | .0172 | 1.292 | .2385 | .1037 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | 310.9 | 13480. | 14880. | 8446. | 728.0 |
| #2 | 310.2 | 13480. | 15150. | 8417. | 729.1 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 538.4 | 401.8 | 458.3 | 3504. | 32.83 |
| Stddev | .9 | 8.6 | .2 | 8. | .89 |
| %RSD | .1637 | 2.143 | .0509 | .2328 | 2.699 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 537.8 | 407.9 | 458.1 | 3498. | 33.45 |
| #2 | 539.0 | 395.7 | 458.4 | 3510. | 32.20 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330MS Acquired: 5/21/2010 14:19:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 372.0 | 51.77 | 2853. | 469.7 | 735.6 |
| Stddev | .9 | 2.02 | 2. | .8 | 7.9 |
| %RSD | .2299 | 3.894 | .0828 | .1602 | 1.079 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 371.4 | 53.20 | 2855. | 470.2 | 741.2 |
| #2 | 372.6 | 50.35 | 2851. | 469.1 | 730.0 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 775.4 | 49.22 | 521.3 | 576.3 |
| Stddev | .8 | 1.00 | 1.1 | .4 |
| %RSD | .1087 | 2.027 | .2137 | .0676 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 774.8 | 48.51 | 522.1 | 576.0 |
| #2 | 776.0 | 49.92 | 520.5 | 576.5 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829330MS Acquired: 5/21/2010 14:19:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 433.37 | 4148.1 | 4200.3 | 5926.2 |
| Stddev | 3.97 | 20.5 | 14.1 | 36.2 |
| %RSD | .91589 | .49325 | .33499 | .61067 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 430.56 | 4162.6 | 4190.4 | 5951.8 |
| #2 | 436.18 | 4133.7 | 4210.3 | 5900.6 |

Sample Name: 829330DP Acquired: 5/21/2010 14:23:20 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .3743 | 10680. | 9.121 | 15.68 | 536.6 |
| Stddev | .2221 | 34. | 1.750 | .79 | 9.8 |
| %RSD | 59.33 | .3161 | 19.19 | 5.052 | 1.833 |

| | | | | | |
|----|------|--------|-------|-------|-------|
| #1 | 2173 | 10660. | 7.883 | 16.24 | 529.7 |
| #2 | 5314 | 10710. | 10.36 | 15.12 | 543.6 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .8504 | 64730. | .7361 | 10.03 | 14.52 |
| Stddev | .1246 | 35. | .1514 | .24 | .23 |
| %RSD | 14.65 | .0541 | 20.56 | 2.429 | 1.550 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .9385 | 64750. | .6291 | 9.860 | 14.68 |
| #2 | .7623 | 64700. | .8432 | 10.20 | 14.36 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330DP Acquired: 5/21/2010 14:23:20 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 69.03 | 11940. | 12960. | 8296. | 271.3 |
| Stddev | .07 | 34. | 148. | 24. | .0 |
| %RSD | .0979 | .2825 | 1.140 | .2879 | .0033 |

| | | | | | |
|----|-------|--------|--------|-------|-------|
| #1 | 68.98 | 11970. | 13060. | 8279. | 271.3 |
| #2 | 69.08 | 11920. | 12850. | 8312 | 271.3 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 67.16 | 368.3 | 14.66 | 2661. | 14.33 |
| Stddev | .61 | 37.0 | .24 | 7. | 2.01 |
| %RSD | .9048 | 10.04 | 1.667 | .2783 | 14.04 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 66.73 | 342.1 | 14.49 | 2666. | 15.76 |
| #2 | 67.59 | 394.4 | 14.83 | 2655. | 12.91 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829330DP Acquired: 5/21/2010 14:23:20 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.640 | 4.522 | 2378. | 6.871 | 295.5 |
| Stddev | .198 | 1.475 | 9. | .334 | .3 |
| %RSD | 5.450 | 32.62 | .3724 | 4.866 | .0978 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 3.500 | 5.565 | 2384. | 6.634 | 295.3 |
| #2 | 3.781 | 3.479 | 2372. | 7.107 | 295.7 |

| | | | | | |
|---------|------|------|------|------|------|
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 301.7 | -2.787 | 55.97 | 96.20 |
| Stddev | .3 | 1.121 | .31 | .17 |
| %RSD | .0978 | 40.23 | .5485 | .1803 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 301.5 | -3.579 | 55.75 | 96.33 |
| #2 | 301.9 | -1.994 | 56.18 | 96.08 |

| | | | | |
|---------|------|------|------|------|
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829330DP Acquired: 5/21/2010 14:23:20 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 436.76 | 4191.5 | 4226.1 | 5932.5 |
| Stddev | .96 | 13.4 | 7.6 | 10.5 |
| %RSD | .22022 | .31929 | .17989 | .17712 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 436.08 | 4182.0 | 4231.5 | 5925.1 |
| #2 | 437.45 | 4200.9 | 4220.7 | 5940.0 |

Sample Name: 829331 Acquired: 5/21/2010 14:27:10 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0168 | 9822. | 7.032 | 11.76 | 95.92 |
| Stddev | .5627 | 22. | 3.040 | .42 | 6.64 |
| %RSD | 3354. | .2235 | 43.23 | 3.589 | 6.925 |
| #1 | .4146 | 9806. | 4.882 | 11.47 | 100.6 |
| #2 | -.3811 | 9837. | 9.181 | 12.06 | 91.22 |

Check ? Value Range
None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.083 | 24450. | 3.909 | 8.558 | 23.77 |
| Stddev | .031 | 7. | .051 | .166 | .06 |
| %RSD | 2.888 | .0286 | 1.293 | 1.939 | .2323 |
| #1 | 1.105 | 24460. | 3.873 | 8.675 | 23.73 |
| #2 | 1.061 | 24450. | 3.945 | 8.440 | 23.80 |

Check ? Value Range
None None None None None

Sample Name: 829331 Acquired: 5/21/2010 14:27:10 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 140.8 | 16640. | 13380. | 6349. | 567.9 |
| Stddev | .6 | 22. | 12. | 7. | .7 |
| %RSD | .4499 | .1316 | .0873 | .1060 | .1309 |
| #1 | 141.3 | 16650. | 13370. | 6344. | 568.5 |
| #2 | 140.4 | 16620. | 13390. | 6354. | 567.4 |

Check ? Value Range
None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 110.8 | 174.7 | 21.52 | 1825. | 30.00 |
| Stddev | .4 | 19.7 | .56 | 9. | 1.77 |
| %RSD | .3160 | 11.28 | 2.579 | .4662 | 5.903 |
| #1 | 110.6 | 160.8 | 21.12 | 1819. | 28.74 |
| #2 | 111.1 | 188.6 | 21.91 | 1831. | 31.25 |

Check ? Value Range
None None None None None

Sample Name: 829331 Acquired: 5/21/2010 14:27:10 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.659 | 1.809 | 3883. | 6.219 | 186.2 |
| Stddev | 2.025 | 1.263 | 4. | .428 | 1.3 |
| %RSD | 55.34 | 69.81 | .0988 | 6.876 | .6799 |
| #1 | 2.227 | 2.702 | 3886. | 5.916 | 185.3 |
| #2 | 5.092 | .9160 | 3880. | 6.521 | 187.1 |

Check ? Value Range
None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 367.2 | -4.821 | 28.06 | 615.7 |
| Stddev | .7 | .357 | .15 | 2.4 |
| %RSD | .1771 | 7.414 | .5313 | .3855 |
| #1 | 367.6 | -5.074 | 28.16 | 614.1 |
| #2 | 366.7 | -4.569 | 27.95 | 617.4 |

Check ? Value Range
None None None None

Sample Name: 829331 Acquired: 5/21/2010 14:27:10 Type: Unk
Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 442.48 | 4228.4 | 4269.5 | 5976.4 |
| Stddev | 2.40 | 11.3 | 14.0 | 60.3 |
| %RSD | .54279 | .26607 | .32733 | 1.0092 |
| #1 | 440.78 | 4236.4 | 4259.6 | 6019.0 |
| #2 | 444.17 | 4220.5 | 4279.4 | 5933.7 |

Sample Name: 829332 Acquired: 5/21/2010 14:31:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0163 | 288.6 | 2.895 | 128.3 | 16.10 |
| Stddev | .1762 | 15.7 | 1.762 | .6 | 4.03 |
| %RSD | 1080. | 5.436 | 60.85 | .4440 | 25.02 |

| | | | | | |
|----|--------|-------|-------|-------|-------|
| #1 | -.1083 | 299.7 | 4.141 | 127.9 | 18.95 |
| #2 | .1409 | 277.5 | 1.650 | 128.7 | 13.25 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1961 | 25330. | 2.512 | .1713 | 1.039 |
| Stddev | .0827 | 102. | .013 | .0411 | .177 |
| %RSD | 42.20 | .4030 | .4960 | 24.00 | 17.09 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | .1376 | 25250. | 2.521 | .2003 | 1.164 |
| #2 | .2546 | 25400. | 2.503 | .1422 | .9134 |

Check ? Value Range
 None None None None None

Sample Name: 829332 Acquired: 5/21/2010 14:31:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 46.99 | 381.5 | 45560. | 5496. | 308.6 |
| Stddev | .14 | 7.1 | 121. | 47. | .6 |
| %RSD | .3019 | 1.866 | .2665 | .8525 | .1798 |

| | | | | | |
|----|-------|-------|--------|-------|-------|
| #1 | 46.89 | 386.5 | 45480. | 5463. | 308.2 |
| #2 | 47.09 | 376.5 | 45650. | 5529. | 308.9 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 258.0 | 218.0 | 2.024 | 5502. | 2.428 |
| Stddev | .9 | 26.8 | .098 | 13. | .009 |
| %RSD | .3630 | 12.28 | 4.833 | .2382 | .3851 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 257.4 | 199.0 | 1.955 | 5512. | 2.434 |
| #2 | 258.7 | 236.9 | 2.093 | 5493. | 2.421 |

Check ? Value Range
 None None None None None

Sample Name: 829332 Acquired: 5/21/2010 14:31:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.535 | 5.009 | 629.6 | 7.762 | 363.7 |
| Stddev | .794 | 3.178 | 3.8 | .267 | 1.6 |
| %RSD | 14.35 | 63.46 | .5995 | 3.443 | .4383 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 4.973 | 2.761 | 632.3 | 7.951 | 364.8 |
| #2 | 6.096 | 7.256 | 626.9 | 7.573 | 362.5 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 9.138 | -5.193 | 3.318 | 515.9 |
| Stddev | .046 | 1.697 | .101 | 1.2 |
| %RSD | .5035 | 32.69 | 3.055 | .2421 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 9.170 | -6.393 | 3.247 | 516.8 |
| #2 | 9.105 | -3.992 | 3.390 | 515.0 |

Check ? Value Range
 None None None None

Sample Name: 829332 Acquired: 5/21/2010 14:31:01 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 442.46 | 4181.0 | 4240.9 | 5939.2 |
| Stddev | .92 | 11.9 | 10.0 | 10.1 |
| %RSD | .20685 | .28486 | .23667 | .17035 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 441.81 | 4189.4 | 4233.8 | 5932.0 |
| #2 | 443.11 | 4172.6 | 4248.0 | 5946.3 |

Sample Name: 829333 Acquired: 5/21/2010 14:34:58 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5268 | 1220 | 2.719 | 54.75 | 89.28 |
| Stddev | .4367 | 1 | 2.095 | .67 | 5.06 |
| %RSD | 82.90 | .0610 | 77.03 | 1.218 | 5.673 |

| | | | | | |
|---------|-------|------|-------|-------|-------|
| #1 | -8355 | 1221 | 1.238 | 54.28 | 85.70 |
| #2 | -2180 | 1219 | 4.201 | 55.22 | 92.86 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1592 | 27570 | 5.586 | .9143 | 4.220 |
| Stddev | .2847 | 33 | .157 | .0930 | .012 |
| %RSD | 178.9 | .1180 | 2.826 | 10.17 | .2791 |

| | | | | | |
|---------|--------|-------|-------|-------|-------|
| #1 | -.0422 | 27550 | 5.677 | .9800 | 4.228 |
| #2 | .3605 | 27590 | 5.455 | .8485 | 4.211 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829333 Acquired: 5/21/2010 14:34:58 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 83.42 | 1585 | 52740 | 9110 | 145.7 |
| Stddev | .43 | 5 | 55 | 6 | .5 |
| %RSD | .5108 | .3002 | .1050 | .0653 | .3557 |

| | | | | | |
|---------|-------|------|-------|------|-------|
| #1 | 83.12 | 1588 | 52780 | 9115 | 145.3 |
| #2 | 83.72 | 1581 | 52700 | 9106 | 146.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 494.1 | 414.1 | 2.934 | 2735 | 5.863 |
| Stddev | 1.3 | 6.5 | .569 | 12 | 2.462 |
| %RSD | .2680 | 1.570 | 19.40 | .4435 | 41.98 |

| | | | | | |
|---------|-------|-------|-------|------|-------|
| #1 | 493.1 | 418.7 | 3.337 | 2726 | 4.123 |
| #2 | 495.0 | 409.5 | 2.532 | 2744 | 7.604 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829333 Acquired: 5/21/2010 14:34:58 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.777 | 5.371 | 1854 | 8.423 | 302.8 |
| Stddev | 2.173 | 1.430 | 64 | .158 | .3 |
| %RSD | 57.53 | 26.62 | 3.431 | 1.877 | .0884 |

| | | | | | |
|---------|-------|-------|------|-------|-------|
| #1 | 2.240 | 4.360 | 1899 | 8.534 | 302.6 |
| #2 | 5.314 | 6.382 | 1809 | 8.311 | 303.0 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 42.38 | -4.665 | 19.36 | 204.3 |
| Stddev | .39 | 1.226 | .13 | 1.1 |
| %RSD | .9139 | 26.28 | .6616 | .5461 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 42.11 | -3.798 | 19.45 | 203.5 |
| #2 | 42.66 | -5.532 | 19.27 | 205.1 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829333 Acquired: 5/21/2010 14:34:58 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 434.38 | 4143.4 | 4212.8 | 5915.8 |
| Stddev | 1.05 | 17.7 | 15.7 | 11.8 |
| %RSD | .24077 | .42823 | .37155 | .20001 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 435.12 | 4155.9 | 4223.8 | 5924.1 |
| #2 | 433.64 | 4130.8 | 4201.7 | 5907.4 |

Sample Name: CCV Acquired: 5/21/2010 14:38:51 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.18 | 30370. | 101.8 | 715.2 | 194.3 |
| Stddev | 1.02 | 38. | .2 | 4.3 | 1.2 |
| %RSD | 1.044 | .1239 | .2168 | .6059 | .6091 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 98.90 | 30400. | 101.7 | 712.1 | 193.5 |
| #2 | 97.45 | 30350. | 102.0 | 718.3 | 195.2 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.2 | 30180. | 98.17 | 191.1 | 196.4 |
| Stddev | .1 | 208. | .10 | .6 | .2 |
| %RSD | .0868 | .6902 | .0997 | .3119 | .1141 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 101.3 | 30320. | 98.10 | 190.7 | 196.6 |
| #2 | 101.2 | 30030. | 98.24 | 191.6 | 196.2 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/21/2010 14:38:51 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 190.5 | 30650. | 30240. | 30390. | 191.6 |
| Stddev | .1 | 69. | 175. | 38. | .3 |
| %RSD | .0685 | .2257 | .5786 | .1256 | .1678 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 190.4 | 30700. | 30360. | 30360. | 191.8 |
| #2 | 190.6 | 30600. | 30120. | 30410. | 191.4 |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.8 | 30440. | 188.2 | 206.3 | 402.5 |
| Stddev | .9 | 95. | .1 | .6 | .6 |
| %RSD | .4423 | .3130 | .0755 | .3019 | .1526 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 198.2 | 30500. | 188.1 | 206.7 | 402.9 |
| #2 | 199.4 | 30370. | 188.3 | 205.8 | 402.0 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/21/2010 14:38:51 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 302.4 | 97.46 | 1031. | 197.6 | 300.1 |
| Stddev | .1 | .42 | .3 | .2 | 3.2 |
| %RSD | .0310 | .4329 | .3021 | .0858 | 1.078 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 302.5 | 97.76 | 1033. | 197.7 | 302.4 |
| #2 | 302.4 | 97.16 | 1029. | 197.5 | 297.8 |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 397.3 | 99.99 | 201.3 | 200.3 |
| Stddev | .5 | .23 | .3 | .1 |
| %RSD | .1174 | .2275 | .1693 | .0584 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 397.6 | 99.82 | 201.6 | 200.2 |
| #2 | 396.9 | 100.1 | 201.1 | 200.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/21/2010 14:38:51 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 426.20 | 4124.6 | 4139.2 | 5868.4 |
| Stddev | .72 | 15.6 | 9.9 | 27.1 |
| %RSD | .17010 | .37932 | .23979 | .46183 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 426.71 | 4135.7 | 4146.2 | 5849.2 |
| #2 | 425.68 | 4113.5 | 4132.2 | 5887.5 |

Sample Name: CCB Acquired: 5/21/2010 14:42:40 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2377 | 33.68 | -1.229 | 1.871 | -.4812 |
| Stddev | .0626 | 29.27 | .716 | .133 | 3.854 |
| %RSD | 26.34 | 86.90 | 58.27 | 7.107 | 800.8 |

#1 .1934 54.37 -.7225 1.965 -3.206
 #2 .2820 12.98 -1.735 1.777 2.244

Check ?
 High Limit
 Low Limit

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1806 | 14.85 | .1158 | -.2008 | -.1992 |
| Stddev | .1448 | 14.79 | .0361 | .0303 | .0020 |
| %RSD | 80.20 | 99.58 | 31.18 | 15.10 | 1.016 |

#1 .2830 4.395 .1413 -.1794 -.2006
 #2 .0782 25.31 .0903 -.2222 -.1977

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/21/2010 14:42:40 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.9033 | 19.25 | 108.7 | -1.168 | .0706 |
| Stddev | .5886 | 4.63 | 14.6 | 18.69 | .0048 |
| %RSD | 65.16 | 24.03 | 13.40 | 1599. | 6.766 |

#1 -1.319 15.98 98.35 12.05 .0672
 #2 -.4871 22.52 118.9 -14.38 .0739

Check ?
 High Limit
 Low Limit

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6755 | 42.89 | .3753 | 1.728 | .6932 |
| Stddev | .5768 | 12.91 | .2443 | 1.037 | 1.606 |
| %RSD | 85.39 | 30.10 | 65.09 | 60.03 | 231.6 |

#1 1.083 33.76 .2026 2.462 1.829
 #2 .2676 52.02 .5481 .9947 -.4422

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/21/2010 14:42:40 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.625 | 4.487 | 5.369 | -.4050 | .1849 |
| Stddev | .902 | 1.322 | .383 | .2079 | .0045 |
| %RSD | 34.34 | 29.46 | 7.131 | 51.33 | 2.455 |

#1 3.263 3.552 5.639 -.5520 .1881
 #2 1.988 5.421 5.098 -.2580 .1817

Check ?
 High Limit
 Low Limit

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | .1785 | -.8302 | -.1301 | .2340 |
| Stddev | .0275 | .4217 | .2458 | .1788 |
| %RSD | 15.39 | 50.79 | 188.9 | 76.41 |

#1 .1980 -1.128 -.3039 .3604
 #2 .1591 -.5321 .0437 .1076

Check ?
 High Limit
 Low Limit

Sample Name: CCB Acquired: 5/21/2010 14:42:40 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 453.77 | 4197.6 | 4222.6 | 5865.0 |
| Stddev | 1.27 | 2.0 | 11.1 | 35.9 |
| %RSD | .27989 | .04791 | .26249 | .61126 |

#1 452.88 4199.0 4214.8 5839.7
 #2 454.67 4196.2 4230.4 5890.4

Sample Name: 829334 Acquired: 5/21/2010 14:46:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-LL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .2581 | 12.94 | 2.517 | 1.773 | -.9977 |
| Stddev | .1302 | 1.75 | .395 | .489 | 1.736 |
| %RSD | 50.44 | 13.50 | 15.67 | 27.59 | 174.0 |

| | | | | | |
|---------|-------|-------|-------|-------|--------|
| #1 | .1660 | 14.18 | 2.238 | 1.427 | .2296 |
| #2 | .3502 | 11.71 | 2.796 | 2.119 | -2.225 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-LL | Cd-LL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .1801 | .8790 | -.0785 | -.3263 | .2912 |
| Stddev | .2291 | 16.38 | .2353 | .4784 | 1.662 |
| %RSD | 127.2 | 1864. | 299.8 | 146.6 | 57.07 |

| | | | | | |
|---------|-------|--------|--------|--------|-------|
| #1 | .3421 | 12.46 | -.2449 | .0119 | .4088 |
| #2 | .0181 | -10.71 | .0879 | -.6646 | .1737 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Check ? Value Range

Sample Name: 829334 Acquired: 5/21/2010 14:46:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7757 | 2.891 | 128.5 | 13.68 | .1130 |
| Stddev | .5514 | 13.72 | 144.0 | 10.76 | .0555 |
| %RSD | 71.08 | 474.6 | 112.1 | 78.60 | 49.13 |

| | | | | | |
|---------|--------|--------|-------|-------|-------|
| #1 | -1.166 | 12.59 | 26.61 | 6.078 | .0737 |
| #2 | -.3858 | -6.810 | 230.3 | 21.29 | .1522 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-LL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1919 | 21.41 | .8190 | 6.969 | 2.950 |
| Stddev | .0507 | 9.46 | .1952 | 1.772 | .443 |
| %RSD | 26.40 | 44.16 | 23.84 | 25.43 | 15.00 |

| | | | | | |
|---------|--------|-------|-------|-------|-------|
| #1 | -.2277 | 14.73 | .9570 | 5.716 | 2.637 |
| #2 | -.1561 | 28.10 | .6810 | 8.222 | 3.262 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Check ? Value Range

Sample Name: 829334 Acquired: 5/21/2010 14:46:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.382 | .5079 | 16.32 | 13.61 | .0275 |
| Stddev | 2.349 | 1.959 | .48 | .41 | .0087 |
| %RSD | 98.60 | 385.6 | 2.969 | 2.981 | 31.58 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | 4.043 | -.8769 | 16.67 | 13.32 | .0214 |
| #2 | .7214 | 1.893 | 15.98 | 13.90 | .0337 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.7057 | -3.259 | -.4117 | .7410 |
| Stddev | .2827 | .835 | .1339 | .0516 |
| %RSD | 40.06 | 25.63 | 32.52 | 6.964 |

| | | | | |
|---------|--------|--------|--------|-------|
| #1 | -.5058 | -2.668 | -.5064 | .7775 |
| #2 | -.9055 | -3.849 | -.3170 | .7045 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Check ? Value Range

Sample Name: 829334 Acquired: 5/21/2010 14:46:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 449.57 | 4193.4 | 4235.6 | 5876.5 |
| Stddev | 1.78 | 5.7 | 1.1 | 41.9 |
| %RSD | .39586 | .13510 | .02623 | .71378 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 450.83 | 4189.4 | 4234.8 | 5846.9 |
| #2 | 448.31 | 4197.4 | 4236.4 | 5906.2 |

Sample Name: 829620 Acquired: 5/21/2010 14:50:28 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.562 | 131700. | 85.60 | 39.33 | 2535. |
| Stddev | .358 | 99. | .86 | .33 | 1. |
| %RSD | 10.04 | .0752 | 1.003 | .8292 | .0552 |
| #1 | -3.815 | 131800. | 86.20 | 39.10 | 2536. |
| #2 | -3.310 | 131700. | 84.99 | 39.56 | 2534. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.37 | 343700. | 2.217 | 74.15 | 205.2 |
| Stddev | .26 | 11. | .148 | .29 | .3 |
| %RSD | 2.496 | .0033 | 6.667 | .3921 | .1552 |
| #1 | 10.19 | 343700. | 2.321 | 73.95 | 205.0 |
| #2 | 10.56 | 343800. | 2.112 | 74.36 | 205.4 |

Check ? Value Range
 None None None None None

Sample Name: 829620 Acquired: 5/21/2010 14:50:28 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.0 | 218400. | 21380. | 75000. | 4164. |
| Stddev | .2 | 621. | 9. | 44. | 13. |
| %RSD | .1122 | .2841 | .0441 | .0584 | .3203 |
| #1 | 199.1 | 218000. | 21370. | 74970. | 4173. |
| #2 | 198.8 | 218900. | 21380. | 75030. | 4155. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.70 | 4130. | 170.1 | 5817. | 260.7 |
| Stddev | .17 | 14. | 1.2 | 10. | 1.7 |
| %RSD | .9235 | .3463 | .6856 | .1687 | .6531 |
| #1 | 18.58 | 4140. | 170.9 | 5810. | 259.5 |
| #2 | 18.83 | 4120. | 169.3 | 5824. | 261.9 |

Check ? Value Range
 None None None None None

Sample Name: 829620 Acquired: 5/21/2010 14:50:28 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.782 | -6.080 | 3530. | 4.051 | 1238. |
| Stddev | 2.655 | 4.512 | 7. | .409 | 4. |
| %RSD | 39.15 | 74.21 | .2035 | 10.09 | .3267 |
| #1 | -8.660 | -2.889 | 3525. | 3.762 | 1240. |
| #2 | -4.904 | -9.270 | 3535. | 4.340 | 1235. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2739. | -9826 | 460.6 | 746.1 |
| Stddev | 1. | 2.071 | 3.6 | 1.1 |
| %RSD | .0263 | 210.8 | .7742 | .1427 |
| #1 | 2739. | 4821 | 458.0 | 745.4 |
| #2 | 2740. | -2.447 | 463.1 | 746.9 |

Check ? Value Range
 None None None None

Sample Name: 829620 Acquired: 5/21/2010 14:50:28 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 407.04 | 4409.5 | 4451.1 | 6459.3 |
| Stddev | .16 | 16.9 | 1.2 | 24.2 |
| %RSD | .04008 | .38366 | .02607 | .37461 |
| #1 | 406.93 | 4421.5 | 4450.3 | 6442.2 |
| #2 | 407.16 | 4397.6 | 4451.9 | 6476.4 |

Check ? Value Range
 None None None None

Sample Name: 829621 Acquired: 5/21/2010 14:54:29 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B_-LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.108 | 114500. | 68.37 | 37.55 | 843.5 |
| Stddev | .708 | 304. | 1.59 | .10 | 8.0 |
| %RSD | 33.60 | .2652 | 2.327 | .2592 | .9442 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -2.609 | 114700. | 67.24 | 37.62 | 849.2 |
| #2 | -1.607 | 114300. | 69.49 | 37.48 | 837.9 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.64 | 164500. | 2.766 | 93.82 | 253.6 |
| Stddev | .03 | 265. | .107 | .32 | .2 |
| %RSD | .2864 | .1607 | 3.854 | .3363 | .0710 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 10.66 | 164700. | 2.841 | 93.60 | 253.5 |
| #2 | 10.61 | 164300. | 2.691 | 94.05 | 253.7 |

Check ? Value Range
 None None None None None

Sample Name: 829621 Acquired: 5/21/2010 14:54:29 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 219.6 | 235300. | 19260. | 73820. | 4667. |
| Stddev | .8 | 51. | 89. | 129. | 6. |
| %RSD | .3784 | .0215 | .4605 | .1744 | .1282 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 220.2 | 235300. | 19320. | 73910. | 4671. |
| #2 | 219.0 | 235300. | 19200. | 73730. | 4663. |

| Elem | Mo-LL | Na-LL | Ni-LL | P_-HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 26.43 | 3609. | 196.6 | 7546. | 462.3 |
| Stddev | .11 | 11. | 1.6 | 3. | .6 |
| %RSD | .4032 | .3145 | .8225 | .0459 | .1231 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 26.51 | 3601. | 195.4 | 7544. | 462.7 |
| #2 | 26.36 | 3617. | 197.7 | 7549. | 461.9 |

Check ? Value Range
 None None None None None

Sample Name: 829621 Acquired: 5/21/2010 14:54:29 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -7.834 | -6.359 | 3290. | 7.175 | 921.9 |
| Stddev | .117 | 2.333 | 6. | .229 | 6.0 |
| %RSD | 1.496 | 36.69 | .1838 | 3.195 | .6520 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -7.751 | -8.009 | 3295. | 7.013 | 926.1 |
| #2 | -7.916 | -4.709 | 3286. | 7.337 | 917.6 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V_-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2505. | -2.645 | 355.5 | 850.0 |
| Stddev | 12. | .295 | .0 | 1.1 |
| %RSD | .4714 | 11.17 | .0031 | .1244 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2513. | -2.854 | 355.5 | 849.2 |
| #2 | 2496. | -2.436 | 355.5 | 850.7 |

Check ? Value Range
 None None None None

Sample Name: 829621 Acquired: 5/21/2010 14:54:29 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 414.28 | 4448.1 | 4473.7 | 6409.6 |
| Stddev | 2.03 | 17.6 | 6.1 | 16.9 |
| %RSD | .48952 | .39645 | .13738 | .26308 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 412.85 | 4435.7 | 4469.3 | 6397.7 |
| #2 | 415.72 | 4460.6 | 4478.0 | 6421.6 |

Sample Name: 829622 Acquired: 5/21/2010 14:58:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -9336 | 77250. | 50.76 | 21.45 | 328.4 |
| Stddev | 1.237 | 217. | 2.92 | .48 | 5.2 |
| %RSD | 13.25 | .2811 | 5.755 | 2.239 | 1.587 |
| #1 | -8461 | 77090. | 52.82 | 21.79 | 332.1 |
| #2 | -1.021 | 77400. | 48.69 | 21.11 | 324.7 |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 7.267 | 77680. | 1.988 | 57.31 | 201.4 |
| Stddev | .196 | 51. | .044 | .14 | .1 |
| %RSD | 2.696 | .0652 | 2.227 | .2425 | .0278 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 7.128 | 77640. | 2.019 | 57.40 | 201.5 |
| #2 | 7.405 | 77720. | 1.957 | 57.21 | 201.4 |

Check ? Value Range
 None None None None None

Sample Name: 829622 Acquired: 5/21/2010 14:58:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 152.8 | 166700. | 13420. | 63350. | 3110. |
| Stddev | .4 | 439. | 94. | 45. | . |
| %RSD | .2577 | .2632 | .7012 | .0704 | .0074 |
| #1 | 152.5 | 167000. | 13490. | 63320. | 3110. |
| #2 | 153.1 | 166400. | 13350. | 63380. | 3110. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.11 | 1601. | 152.7 | 5921. | 176.2 |
| Stddev | .30 | 13. | .4 | 17. | 2.5 |
| %RSD | 2.299 | .8253 | .2656 | .2930 | 1.423 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 13.32 | 1610. | 153.0 | 5933. | 177.9 |
| #2 | 12.90 | 1591. | 152.4 | 5908. | 174.4 |

Check ? Value Range
 None None None None None

Sample Name: 829622 Acquired: 5/21/2010 14:58:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.741 | -4.704 | 2685. | 7.603 | 509.0 |
| Stddev | .243 | 2.094 | 8. | .072 | 2.5 |
| %RSD | 6.502 | 44.51 | .3131 | .9429 | .4828 |
| #1 | -3.569 | -3.224 | 2691. | 7.553 | 507.2 |
| #2 | -3.913 | -6.185 | 2679. | 7.654 | 510.7 |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2018. | -9392 | 341.3 | 632.2 |
| Stddev | 3. | 1.434 | .7 | 1.8 |
| %RSD | .1437 | 152.7 | .1989 | .2847 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 2020. | -1.953 | 341.8 | 633.4 |
| #2 | 2016. | .0750 | 340.8 | 630.9 |

Check ? Value Range
 None None None None

Sample Name: 829622 Acquired: 5/21/2010 14:58:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 421.58 | 4288.2 | 4343.7 | 6109.6 |
| Stddev | 4.37 | 7.3 | 21.6 | 2.3 |
| %RSD | 1.0372 | .17080 | .49637 | .03837 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 418.49 | 4283.0 | 4328.4 | 6107.9 |
| #2 | 424.68 | 4293.4 | 4358.9 | 6111.3 |

Sample Name: 829623 Acquired: 5/21/2010 15:02:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B -LL | Ba-LL |
|--------|----------------|---------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.320 | 108400. | 75.39 | 28.45 | 657.7 |
| Stddev | .614 | 421. | .01 | .52 | 3.5 |
| %RSD | 26.45 | .3882 | .0131 | 1.825 | .5341 |

| | | | | | |
|----|--------|---------|-------|-------|-------|
| #1 | -1.887 | 108100. | 75.40 | 28.82 | 655.2 |
| #2 | -2.754 | 108700. | 75.39 | 28.09 | 660.2 |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.772 | 163600. | 2.126 | 78.26 | 266.6 |
| Stddev | .261 | 628. | .198 | .10 | .3 |
| %RSD | 2.668 | .3840 | 9.311 | .1224 | .1184 |

| | | | | | |
|----|-------|---------|-------|-------|-------|
| #1 | 9.588 | 163200. | 1.986 | 78.32 | 266.8 |
| #2 | 9.957 | 164000. | 2.266 | 78.19 | 266.4 |

Check ? Value Range

Sample Name: 829623 Acquired: 5/21/2010 15:02:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|---------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 206.4 | 231300. | 20420. | 78910. | 3737. |
| Stddev | .1 | 407. | 55. | 213. | 31. |
| %RSD | .0494 | .1758 | .2669 | .2693 | .8349 |

| | | | | | |
|----|-------|---------|--------|--------|-------|
| #1 | 206.3 | 231100. | 20380. | 78760. | 3715. |
| #2 | 206.5 | 231600. | 20460. | 79060. | 3759. |

| Elem | Mo-LL | Na-LL | Ni-LL | P -HL | Pb-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 13.94 | 2134. | 206.3 | 6909. | 265.2 |
| Stddev | .13 | 1. | .4 | 11. | 4.5 |
| %RSD | .9152 | .0285 | .1911 | .1611 | 1.679 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 14.03 | 2134. | 206.0 | 6901. | 262.0 |
| #2 | 13.85 | 2133. | 206.6 | 6917. | 268.3 |

Check ? Value Range

Sample Name: 829623 Acquired: 5/21/2010 15:02:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|---------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.456 | -7.107 | 2521. | 5.066 | 817.0 |
| Stddev | 1.197 | 4.557 | 3. | .565 | .3 |
| %RSD | 18.54 | 64.12 | .1310 | 11.15 | .0320 |

| | | | | | |
|----|--------|--------|-------|-------|-------|
| #1 | -5.610 | -10.33 | 2519. | 4.667 | 817.2 |
| #2 | -7.303 | -3.885 | 2524. | 5.465 | 816.8 |

| Elem | Ti-LL | Ti-LL | V -LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3175. | -1.036 | 485.7 | 845.8 |
| Stddev | 7. | .169 | .5 | .1 |
| %RSD | .2171 | 16.34 | .0928 | .0079 |

| | | | | |
|----|-------|--------|-------|-------|
| #1 | 3170. | -1.155 | 485.3 | 845.8 |
| #2 | 3180. | -.9161 | 486.0 | 845.9 |

Check ? Value Range

Sample Name: 829623 Acquired: 5/21/2010 15:02:30 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|---------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 414.89 | 4343.3 | 4393.2 | 6257.4 |
| Stddev | 5.79 | 7.8 | 1.0 | 18.3 |
| %RSD | 1.3945 | .17952 | .02316 | .29255 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 418.98 | 4337.7 | 4392.5 | 6270.3 |
| #2 | 410.80 | 4348.8 | 4393.9 | 6244.4 |

Sample Name: 829623L Acquired: 5/21/2010 15:06:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6.897 | 119200. | 79.15 | 31.19 | 730.2 |
| Stddev | 1.383 | 403. | 3.67 | .85 | 10.4 |
| %RSD | 20.05 | .3384 | 4.641 | 2.736 | 1.425 |

| | | | | | |
|---------|--------|---------|-------|-------|-------|
| #1 | -7.875 | 119500. | 76.55 | 31.79 | 737.6 |
| #2 | -5.919 | 118900. | 81.75 | 30.59 | 722.9 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.66 | 180500. | 2.535 | 88.86 | 290.8 |
| Stddev | .28 | 610. | .605 | .39 | .7 |
| %RSD | 2.648 | .3380 | 23.85 | .4432 | .2277 |

| | | | | | |
|---------|-------|---------|-------|-------|-------|
| #1 | 10.46 | 180900. | 2.108 | 89.14 | 290.3 |
| #2 | 10.86 | 180100. | 2.963 | 88.58 | 291.2 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829623L Acquired: 5/21/2010 15:06:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 220.1 | 253500. | 22620. | 87400. | 4149. |
| Stddev | 1.4 | 328. | 143. | 34. | 2. |
| %RSD | .6234 | .1293 | .6307 | .0389 | .0538 |

| | | | | | |
|---------|-------|---------|--------|--------|-------|
| #1 | 219.1 | 253700. | 22720. | 87420. | 4148. |
| #2 | 221.1 | 253300. | 22510. | 87380. | 4151. |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 15.90 | 2357. | 226.9 | 7557. | 281.0 |
| Stddev | .39 | 146. | 1.0 | 22. | 1.9 |
| %RSD | 2.477 | 6.208 | .4188 | .2846 | .6695 |

| | | | | | |
|---------|-------|-------|-------|-------|-------|
| #1 | 16.18 | 2460. | 227.6 | 7572. | 279.6 |
| #2 | 15.62 | 2254. | 226.2 | 7542. | 282.3 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

Sample Name: 829623L Acquired: 5/21/2010 15:06:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.763 | -7.065 | 3084. | 7.042 | 907.8 |
| Stddev | 1.129 | 4.639 | 6. | 1.618 | 9.5 |
| %RSD | 30.01 | 65.67 | .1950 | 22.98 | 1.046 |

| | | | | | |
|---------|-------|--------|-------|-------|-------|
| #1 | 4.562 | -3.785 | 3080. | 5.898 | 914.5 |
| #2 | 2.964 | -10.35 | 3089. | 8.187 | 901.1 |
| Check ? | None | None | None | None | None |
| Value | | | | | |
| Range | | | | | |

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3366. | -8.423 | 518.2 | 938.9 |
| Stddev | 3. | 7.644 | 3.8 | 2.3 |
| %RSD | .1037 | 90.75 | .7315 | .2408 |

| | | | | |
|---------|-------|--------|-------|-------|
| #1 | 3369. | -13.83 | 515.5 | 937.3 |
| #2 | 3364. | -3.018 | 520.9 | 940.5 |
| Check ? | None | None | None | None |
| Value | | | | |
| Range | | | | |

Sample Name: 829623L Acquired: 5/21/2010 15:06:33 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 5.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 440.68 | 4231.0 | 4267.5 | 5946.1 |
| Stddev | 1.54 | 5.8 | 1.9 | 48.0 |
| %RSD | .35037 | .13745 | .04537 | .80698 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 441.77 | 4235.1 | 4266.1 | 5912.2 |
| #2 | 439.59 | 4226.9 | 4268.9 | 5980.1 |

Sample Name: 829623MS Acquired: 5/21/2010 15:10:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 43.83 | 99890. | 113.9 | 412.1 | 2315. |
| Stddev | .90 | 229. | .6 | .5 | 5. |
| %RSD | 2.063 | .2290 | .5428 | .1243 | .2372 |
| #1 | 44.46 | 99730. | 113.4 | 411.7 | 2311. |
| #2 | 43.19 | 100000. | 114.3 | 412.5 | 2319. |

Check ? Value Range
 None None None None None

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 58.50 | 147300. | 48.28 | 463.1 | 431.5 |
| Stddev | .17 | 54. | .25 | .0 | .6 |
| %RSD | .2967 | .0366 | .5259 | .0007 | .1365 |
| #1 | 58.62 | 147200. | 48.10 | 463.1 | 432.0 |
| #2 | 58.38 | 147300. | 48.46 | 463.1 | 431.1 |

Check ? Value Range
 None None None None None

Sample Name: 829623MS Acquired: 5/21/2010 15:10:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 427.1 | 214800. | 18050. | 70340. | 3861. |
| Stddev | 1.8 | 446. | 23. | 198. | 1. |
| %RSD | .4147 | .2076 | .1275 | .2820 | .0241 |
| #1 | 425.8 | 214500. | 18070. | 70200. | 3862. |
| #2 | 428.3 | 215100. | 18040. | 70480. | 3860. |

Check ? Value Range
 None None None None None

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 446.5 | 2000. | 609.2 | 6747. | 430.1 |
| Stddev | 1.1 | . | 1.6 | 3. | .2 |
| %RSD | .2571 | .0017 | .2623 | .0508 | .0357 |
| #1 | 445.7 | 2000. | 610.3 | 6745. | 430.2 |
| #2 | 447.3 | 2000. | 608.0 | 6749. | 430.0 |

Check ? Value Range
 None None None None None

Sample Name: 829623MS Acquired: 5/21/2010 15:10:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 173.9 | 39.04 | 2840. | 443.0 | 1153. |
| Stddev | .4 | 2.54 | 19. | .8 | 18. |
| %RSD | .2328 | 6.508 | .6598 | .1751 | 1.540 |
| #1 | 174.2 | 37.25 | 2826. | 443.6 | 1140. |
| #2 | 173.6 | 40.84 | 2853. | 442.5 | 1165. |

Check ? Value Range
 None None None None None

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3307. | 55.36 | 899.2 | 1191. |
| Stddev | 5. | 1.31 | .9 | 1. |
| %RSD | .1401 | 2.371 | .0962 | .0656 |
| #1 | 3304. | 54.44 | 898.6 | 1191. |
| #2 | 3310. | 56.29 | 899.8 | 1190. |

Check ? Value Range
 None None None None

Sample Name: 829623MS Acquired: 5/21/2010 15:10:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 416.31 | 4374.4 | 4414.1 | 6272.2 |
| Stddev | 4.22 | 2.4 | 23.5 | 26.8 |
| %RSD | 1.0137 | .05393 | .53333 | .42760 |
| #1 | 413.33 | 4372.7 | 4397.5 | 6253.3 |
| #2 | 419.30 | 4376.1 | 4430.7 | 6291.2 |

Check ? Value Range
 None None None None

Sample Name: 829623DP Acquired: 5/21/2010 15:14:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.120 | 93380. | 69.36 | 24.97 | 504.4 |
| Stddev | .336 | 565. | .70 | .27 | 1.5 |
| %RSD | 30.02 | .6054 | 1.012 | 1.081 | .2961 |

#1 -8821 93780. 68.87 24.78 505.5
 #2 -1.358 92980. 69.86 25.16 503.4

Check ? None None None None None
 Value
 Range

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.464 | 138700. | 2.025 | 72.48 | 230.9 |
| Stddev | .073 | 825. | .225 | .30 | .0 |
| %RSD | .8673 | .5946 | 11.12 | .4089 | .0106 |

#1 8.412 139300. 1.866 72.27 230.9
 #2 8.516 138100. 2.184 72.69 230.9

Check ? None None None None None
 Value
 Range

Sample Name: 829623DP Acquired: 5/21/2010 15:14:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 184.2 | 209300. | 18360. | 68320. | 3749. |
| Stddev | .3 | 273. | 18. | 614. | 62. |
| %RSD | .1731 | .1305 | .0968 | .8983 | 1.653 |

#1 183.9 209500. 18370. 68750. 3705.
 #2 184.4 209100. 18340. 67880. 3793.

Check ? None None None None None
 Value
 Range

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.56 | 1852. | 181.4 | 5924. | 225.6 |
| Stddev | .57 | 15. | .6 | 4. | .4 |
| %RSD | 2.748 | .8138 | .3535 | .0733 | .1686 |

#1 20.96 1862. 181.8 5921. 225.3
 #2 20.16 1841. 180.9 5927. 225.8

Check ? None None None None None
 Value
 Range

Sample Name: 829623DP Acquired: 5/21/2010 15:14:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.540 | -4.699 | 2240. | 6.762 | 702.4 |
| Stddev | .544 | 2.430 | 8. | .819 | 13.7 |
| %RSD | 9.826 | 51.73 | .3568 | 12.12 | 1.955 |

#1 -5.155 -2.980 2235. 7.341 712.2
 #2 -5.925 -6.417 2246. 6.182 692.7

Check ? None None None None None
 Value
 Range

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 2710. | -2452 | 447.2 | 734.7 |
| Stddev | 2. | .3241 | 1.1 | 1.1 |
| %RSD | .0714 | 132.2 | .2531 | .1438 |

#1 2711. -0160 448.0 733.9
 #2 2709. -4743 446.4 735.4

Check ? None None None None
 Value
 Range

Sample Name: 829623DP Acquired: 5/21/2010 15:14:25 Type: Unk
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 416.55 | 4345.4 | 4371.7 | 6197.3 |
| Stddev | 4.45 | 5.8 | 14.7 | 97.2 |
| %RSD | 1.0692 | .13391 | .33517 | 1.5691 |

#1 419.70 4349.5 4382.1 6128.6
 #2 413.40 4341.3 4361.4 6266.1

Sample Name: CCV Acquired: 5/21/2010 15:18:26 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 98.70 | 30480. | 100.9 | 712.5 | 198.1 |
| Stddev | .57 | 88. | 3.4 | 1.2 | 6.6 |
| %RSD | .5730 | .2890 | 3.333 | .1630 | 3.308 |
| #1 | 99.10 | 30410. | 103.3 | 711.7 | 202.8 |
| #2 | 98.30 | 30540. | 98.54 | 713.4 | 193.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.3 | 30320. | 97.44 | 190.2 | 196.5 |
| Stddev | .1 | 239. | .20 | .2 | .6 |
| %RSD | .1174 | .7880 | .2096 | .0987 | .2935 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 101.4 | 30150. | 97.30 | 190.3 | 196.1 |
| #2 | 101.2 | 30490. | 97.59 | 190.1 | 196.9 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/21/2010 15:18:26 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 190.1 | 30930. | 30430. | 30490. | 192.9 |
| Stddev | .9 | 123. | 94. | 178. | 1.2 |
| %RSD | .4586 | .3983 | .3104 | .5846 | .6061 |

| | | | | | |
|----|-------|--------|--------|--------|-------|
| #1 | 189.5 | 30840. | 30500. | 30360. | 192.1 |
| #2 | 190.7 | 31010. | 30370. | 30610. | 193.8 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 197.2 | 30620. | 187.8 | 208.2 | 406.2 |
| Stddev | 1.1 | 24. | .2 | .4 | 1.6 |
| %RSD | .5769 | .0790 | .0857 | .1695 | .4041 |

| | | | | | |
|----|-------|--------|-------|-------|-------|
| #1 | 196.4 | 30600. | 187.9 | 207.9 | 405.0 |
| #2 | 198.0 | 30630. | 187.7 | 208.4 | 407.3 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/21/2010 15:18:26 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | 299.5 | 101.6 | 1029. | 197.7 | 303.2 |
| Stddev | 3.0 | .6 | 2. | .7 | .3 |
| %RSD | 1.010 | .5535 | .1928 | .3355 | .0977 |

| | | | | | |
|----|-------|-------|-------|-------|-------|
| #1 | 297.4 | 101.2 | 1027. | 198.1 | 303.0 |
| #2 | 301.7 | 102.0 | 1030. | 197.2 | 303.5 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | 396.9 | 99.32 | 202.2 | 200.5 |
| Stddev | 1.1 | .95 | 1.6 | .0 |
| %RSD | .2673 | .9543 | .8062 | .0240 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 396.2 | 99.99 | 201.1 | 200.5 |
| #2 | 397.7 | 98.65 | 203.4 | 200.6 |

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCV Acquired: 5/21/2010 15:18:26 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 426.33 | 4075.4 | 4136.6 | 5717.9 |
| Stddev | 1.67 | .4 | 9.2 | 12.5 |
| %RSD | .39066 | .00955 | .22185 | .21919 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 425.15 | 4075.7 | 4130.1 | 5709.0 |
| #2 | 427.51 | 4075.1 | 4143.1 | 5726.7 |

Sample Name: CCB Acquired: 5/21/2010 15:22:16 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Ag-LL | Al-HL | As-LL | B-LL | Ba-LL |
|--------|----------------|--------------|---------------|---------------|---------------|
| Line | 328.068 (103)2 | 396.152 (85) | 189.042 (479) | 208.959 (461) | 233.527 (144) |
| IS Ref | (Y_HWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -6922 | 18.41 | -1.521 | 1.568 | -3600 |
| Stddev | .5638 | 13.72 | 1.376 | .808 | 3.288 |
| %RSD | 81.45 | 74.51 | 90.49 | 51.52 | 913.1 |

| | | | | | |
|----|--------|-------|--------|-------|--------|
| #1 | -2935 | 8.711 | -2.494 | .9964 | -2.685 |
| #2 | -1.091 | 28.11 | -5.478 | 2.139 | 1.965 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Be-LL | Ca-HL | Cd-HL | Co-LL | Cr-LL |
|--------|---------------|---------------|---------------|---------------|---------------|
| Line | 313.042 (108) | 318.128 (106) | 228.802 (447) | 228.616 (447) | 205.552 (464) |
| IS Ref | (Y_HWRD) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .0102 | 66.43 | -.0467 | -.1174 | -.2185 |
| Stddev | .1713 | 57.98 | .0795 | .5529 | .0388 |
| %RSD | 1685. | 87.28 | 170.2 | 470.7 | 17.76 |

| | | | | | |
|----|--------|-------|--------|--------|--------|
| #1 | .1313 | 107.4 | -.1029 | .2735 | -.2460 |
| #2 | -.1110 | 25.43 | .0095 | -.5084 | -.1911 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/21/2010 15:22:16 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Cu-LL | Fe-LL2 | K-LL | Mg-LL | Mn-LL |
|--------|----------------|----------------|--------------|---------------|----------------|
| Line | 324.754 (104)2 | 271.441 (124)2 | 766.490 (44) | 279.079 (121) | 257.610 (131)2 |
| IS Ref | (Y_HWAX) | (Y_HWAX) | (Y_HWRD) | (Y_HWRD) | (Y_HWAX) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.560 | 5.906 | 79.11 | 18.68 | .1620 |
| Stddev | .081 | 20.09 | 210.4 | 1.67 | .1012 |
| %RSD | 5.186 | 340.1 | 266.0 | 8.923 | 62.46 |

| | | | | | |
|----|--------|--------|--------|-------|-------|
| #1 | -1.618 | -8.299 | 227.9 | 19.86 | .0905 |
| #2 | -1.503 | 20.11 | -69.69 | 17.50 | .2336 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Mo-LL | Na-LL | Ni-LL | P-HL | Pb-LL |
|--------|---------------|--------------|---------------|---------------|---------------|
| Line | 202.030 (467) | 589.592 (57) | 231.604 (445) | 178.284 (489) | 220.353 (453) |
| IS Ref | (Y_LWAX) | (Y_HWRD) | (Y_LWAX) | (Y_LWAX) | (In2306) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .6273 | 17.77 | .3826 | 3.031 | 1.006 |
| Stddev | .9384 | 25.66 | .1734 | .904 | 2.628 |
| %RSD | 149.6 | 144.4 | 45.31 | 29.82 | 261.3 |

| | | | | | |
|----|--------|--------|-------|-------|--------|
| #1 | 1.291 | -.3686 | .2600 | 2.392 | 2.864 |
| #2 | -.0363 | 35.92 | .5052 | 3.671 | -.8525 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/21/2010 15:22:16 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Elem | Sb-LL | Se-LL | Si-LL | Sn1899-2 | Sr-LL |
|--------|---------------|---------------|---------------|----------------|--------------|
| Line | 206.833 (463) | 196.090 (472) | 288.158 (117) | 189.989 (477)2 | 407.771 (83) |
| IS Ref | (Y_LWAX) | (Y_LWAX) | (Y_HWAX) | (Y_LWAX) | (Y_HWRD) |
| Units | ppb | ppb | ppb | ppb | ppb |
| Avg | .4151 | .1777 | 5.111 | -.7546 | .0810 |
| Stddev | .5662 | 3.565 | .004 | 1.004 | .0109 |
| %RSD | 136.4 | 2006. | .0698 | 133.1 | 13.46 |

| | | | | | |
|----|-------|--------|-------|--------|-------|
| #1 | .0148 | 2.699 | 5.114 | -.0444 | .0887 |
| #2 | .8155 | -2.343 | 5.109 | -1.465 | .0733 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| Elem | Ti-LL | Ti-LL | V-LL | Zn-LL2 |
|--------|----------------|---------------|----------------|---------------|
| Line | 334.904 (101)2 | 190.856 (477) | 292.402 (115)2 | 213.856 (458) |
| IS Ref | (Y_HWAX) | (In2306) | (Y_HWAX) | (Y_LWAX) |
| Units | ppb | ppb | ppb | ppb |
| Avg | -.3023 | -2.001 | -.8446 | .2426 |
| Stddev | .4286 | 1.248 | .7103 | .1141 |
| %RSD | 141.8 | 62.38 | 84.11 | 47.05 |

| | | | | |
|----|--------|--------|--------|-------|
| #1 | -.6053 | -1.119 | -1.347 | .3233 |
| #2 | .0008 | -2.884 | -.3423 | .1619 |

Check ?
 High Limit
 Low Limit

Chk Pass Chk Pass Chk Pass Chk Pass

Sample Name: CCB Acquired: 5/21/2010 15:22:16 Type: QC
 Method: 6010B(v54) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

| Int. Std. | In2306 | Y_HWAX | Y_LWAX | Y_HWRD |
|-----------|---------------|---------------|---------------|--------------|
| Line | 230.606 (446) | 224.306 (150) | 224.306 (450) | 371.030 (91) |
| Units | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 447.95 | 4120.7 | 4208.5 | 5712.8 |
| Stddev | 3.91 | .0 | 27.5 | 30.2 |
| %RSD | .87238 | .00064 | .65374 | .52852 |

| | | | | |
|----|--------|--------|--------|--------|
| #1 | 445.19 | 4120.7 | 4189.0 | 5691.5 |
| #2 | 450.72 | 4120.7 | 4227.9 | 5734.2 |



Sample Preparation – Metals

h18251

Page 11 of 100

| STANDARD TRACEABILITY RECORDS ICP-OES Instrument | | |
|---|-----------------------|--|
| Date: 5/21/10 | | |
| Sequence ID | Analyst | Analytical Method |
| 052110-01 | JFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| 052110-02 | JFS | <input checked="" type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| | | <input type="checkbox"/> 6010 / 200.7 <input type="checkbox"/> ILM05.4 <input type="checkbox"/> ISM01.2 |
| Standard Name | Lot Number | |
| Used for all methods | | |
| STD 7: | ME STD 7w 00012 | |
| STD 8: | ME STD 8w 00008 | |
| STD 4: | ME STD 4w 00012 | |
| ICV: | ME ICVw 00005 | |
| CCV: | ME CCVw 00014 | |
| STD0/ICB/CCB/5%2% Rinse & Dilution: | ME 5% 2% RINSEw 00015 | |
| Internal Standard Solution: | ME ICP 7 ISw 00007 | |
| Used for methods 6010 & 200.7 | | |
| ICSA 6010: | ME 6010 ICSAw 00008 | |
| ICSAB 6010: | ME 6010 ABw 00001 | |
| CRI 6010: | ME 6010 CAIw 00006 | |
| DOD LRV Solution: | | |
| 6010 Post Spiking Solution: | | |
| 5 PPM AG: | | |
| Used for method ILM05.4 | | |
| CRI ILM05.4: | | |
| ICSA ILM05.4: | | |
| ICSAB ILM05.4: | | |
| Used for method ISM01.2 | | |
| Calibration std 6: | | |
| Calibration std 1-5 int/CCV: | | |
| ICV: | | |
| ICSA: | | |
| ICSAB: | | |
| Comments: | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |



Particle Size Results

Particle Size of Soils by ASTM D422_MOD

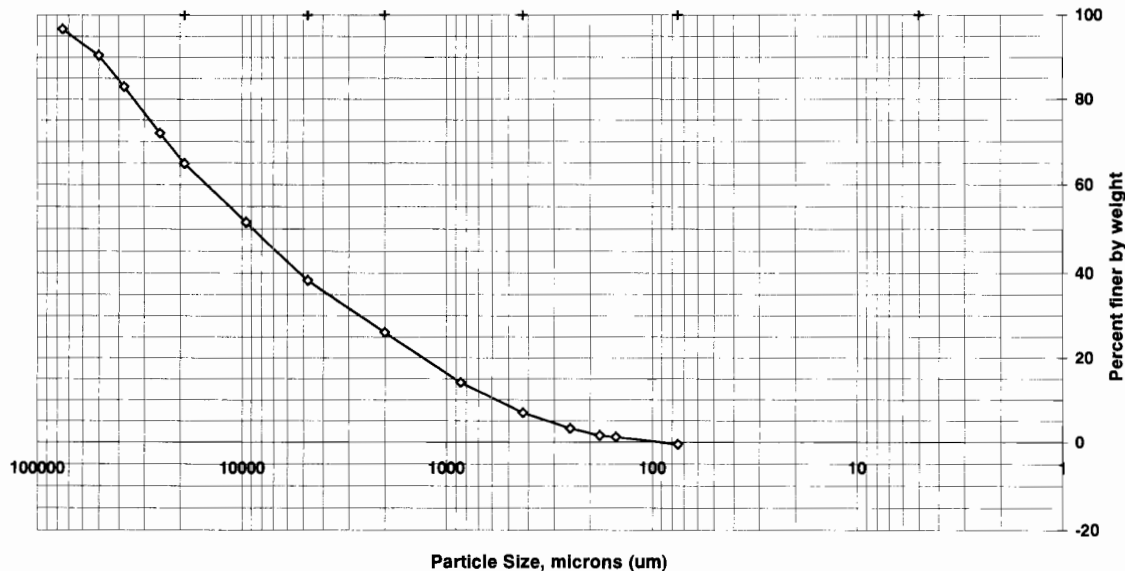
Client Code: URSCOD
 Sample ID: BA1-T01N-SOL
 Lab ID: 829620

SDG: 137254
 ETR(s): 137254

Date Received: 5/5/2010
 Start Date: 5/7/2010
 End Date: 5/12/2010

Percent Solids: 100.0%
 Specific Gravity: 2.650
 Maximum Particle Size: 75 mm

Non-soil material: na
 Shape (> #10): subrounded
 Hardness (> #10): hard



| Sieve size | Particle size, um | Percent finer | Incremental percent |
|------------|-------------------|---------------|---------------------|
| 3 inch | 75000 | 96.7 | 3.3 |
| 2 inch | 50000 | 90.5 | 6.2 |
| 1.5 inch | 37500 | 83.0 | 7.5 |
| 1 inch | 25000 | 71.9 | 11.1 |
| 3/4 inch | 19000 | 64.8 | 7.1 |
| 3/8 inch | 9500 | 51.5 | 13.4 |
| #4 | 4750 | 38.3 | 13.2 |
| #10 | 2000 | 26.1 | 12.2 |
| #20 | 850 | 14.2 | 12.0 |
| #40 | 425 | 6.9 | 7.3 |
| #60 | 250 | 3.2 | 3.6 |
| #80 | 180 | 1.5 | 1.7 |
| #100 | 150 | 1.2 | 0.3 |
| #200 | 75 | -0.5 | 1.7 |

| Soil Classification | Percent of Total Sample |
|---------------------|-------------------------|
| Gravel | 61.7 |
| Sand | 38.8 |
| Coarse Sand | 12.2 |
| Medium Sand | 19.3 |
| Fine Sand | 7.3 |
| Fines | -0.5 |

Preparation Method: **D2217**
 Dispersion Device: Mechanical mixer with
 a metal paddle.
 Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

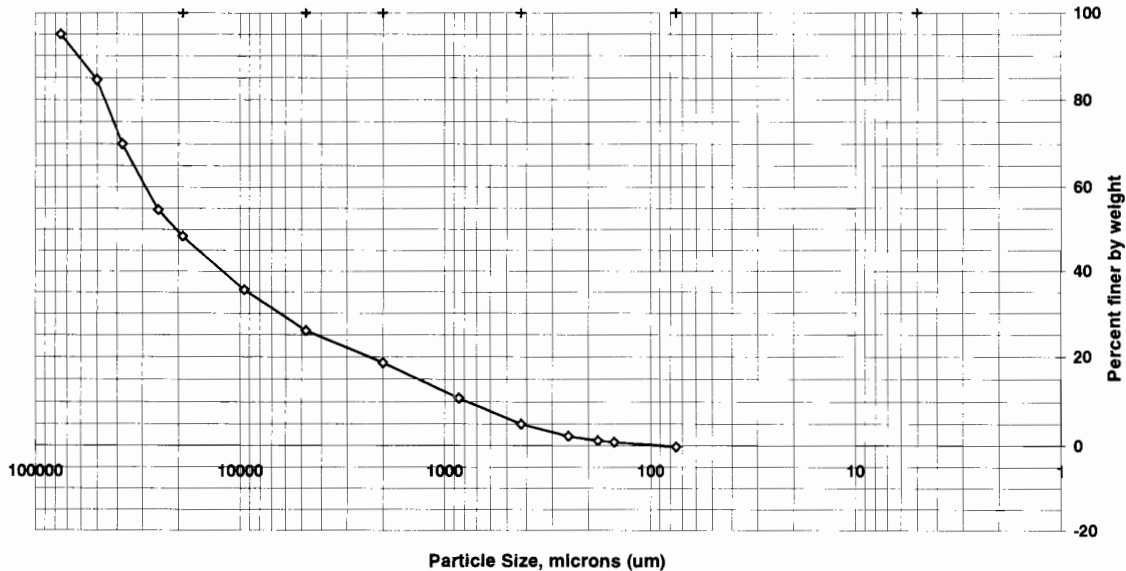
Client Code: URSCOD
 Sample ID: BA2-T01N-SOL
 Lab ID: 829621

SDG: 137254
 ETR(s): 137254

Date Received: 5/5/2010
 Start Date: 5/7/2010
 End Date: 5/14/2010

Percent Solids: 100.0%
 Specific Gravity: 2.650
 Maximum Particle Size: 75 mm

Non-soil material: na
 Shape (> #10): subrounded
 Hardness (> #10): hard



| Sieve size | Particle size, um | Percent finer | Incremental percent |
|------------|-------------------|---------------|---------------------|
| 3 inch | 75000 | 95.0 | 5.0 |
| 2 inch | 50000 | 84.5 | 10.5 |
| 1.5 inch | 37500 | 70.0 | 14.6 |
| 1 inch | 25000 | 54.6 | 15.4 |
| 3/4 inch | 19000 | 48.4 | 6.2 |
| 3/8 inch | 9500 | 35.6 | 12.8 |
| #4 | 4750 | 26.0 | 9.6 |
| #10 | 2000 | 18.7 | 7.3 |
| #20 | 850 | 10.8 | 7.9 |
| #40 | 425 | 4.9 | 5.9 |
| #60 | 250 | 2.2 | 2.7 |
| #80 | 180 | 1.2 | 1.0 |
| #100 | 150 | 0.8 | 0.4 |
| #200 | 75 | -0.3 | 1.1 |

| Soil Classification | Percent of Total Sample |
|---------------------|-------------------------|
| Gravel | 74.0 |
| Sand | 26.3 |
| Coarse Sand | 7.3 |
| Medium Sand | 13.8 |
| Fine Sand | 5.2 |
| Fines | -0.3 |

Preparation Method: **D2217**
 Dispersion Device: Mechanical mixer with
 a metal paddle.
 Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

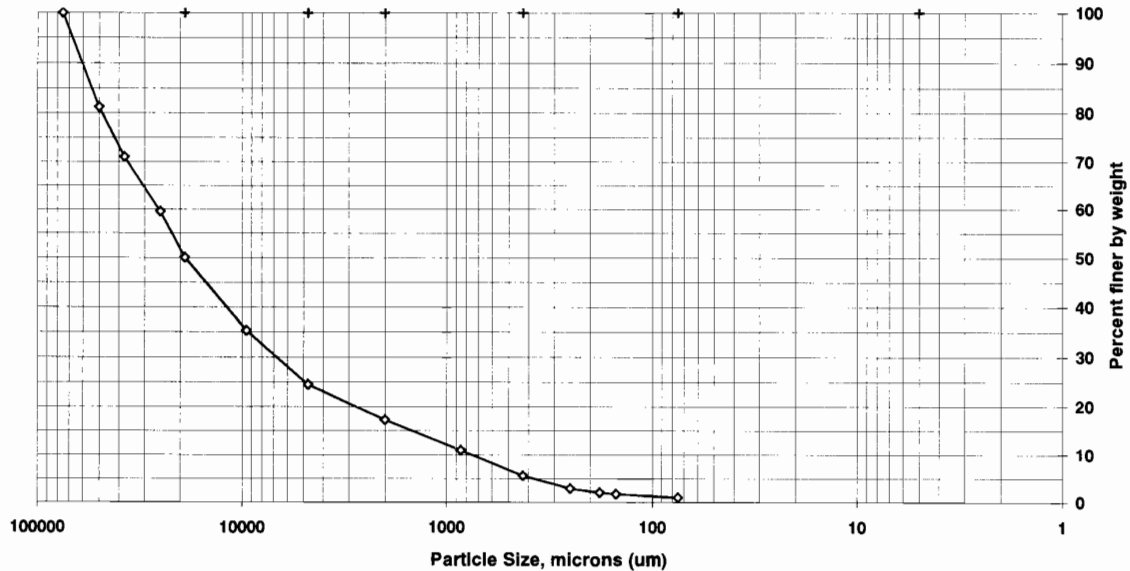
Client Code: URSCOD
 Sample ID: BA3-T01N-SOL
 Lab ID: 829622

SDG: 137254
 ETR(s): 137254

Date Received: 5/5/2010
 Start Date: 5/7/2010
 End Date: 5/14/2010

Percent Solids: 100.0%
 Specific Gravity: 2.650
 Maximum Particle Size: 75 mm

Non-soil material: na
 Shape (> #10): subrounded
 Hardness (> #10): hard



| Sieve size | Particle size, um | Percent finer | Incremental percent |
|------------|-------------------|---------------|---------------------|
| 3 inch | 75000 | 100.0 | 0.0 |
| 2 inch | 50000 | 81.2 | 18.8 |
| 1.5 inch | 37500 | 71.0 | 10.2 |
| 1 inch | 25000 | 59.5 | 11.5 |
| 3/4 inch | 19000 | 50.1 | 9.5 |
| 3/8 inch | 9500 | 35.3 | 14.7 |
| #4 | 4750 | 24.5 | 10.8 |
| #10 | 2000 | 17.3 | 7.2 |
| #20 | 850 | 10.9 | 6.4 |
| #40 | 425 | 5.6 | 5.3 |
| #60 | 250 | 2.9 | 2.7 |
| #80 | 180 | 2.0 | 0.9 |
| #100 | 150 | 1.7 | 0.3 |
| #200 | 75 | 1.0 | 0.7 |

| Soil Classification | Percent of Total Sample |
|---------------------|-------------------------|
| Gravel | 75.5 |
| Sand | 23.5 |
| Coarse Sand | 7.2 |
| Medium Sand | 11.7 |
| Fine Sand | 4.6 |
| Fines | 1.0 |

Preparation Method: **D2217**
 Dispersion Device: Mechanical mixer with
 a metal paddle.
 Dispersion Period: 1 minute

Particle Size of Soils by ASTM D422_MOD

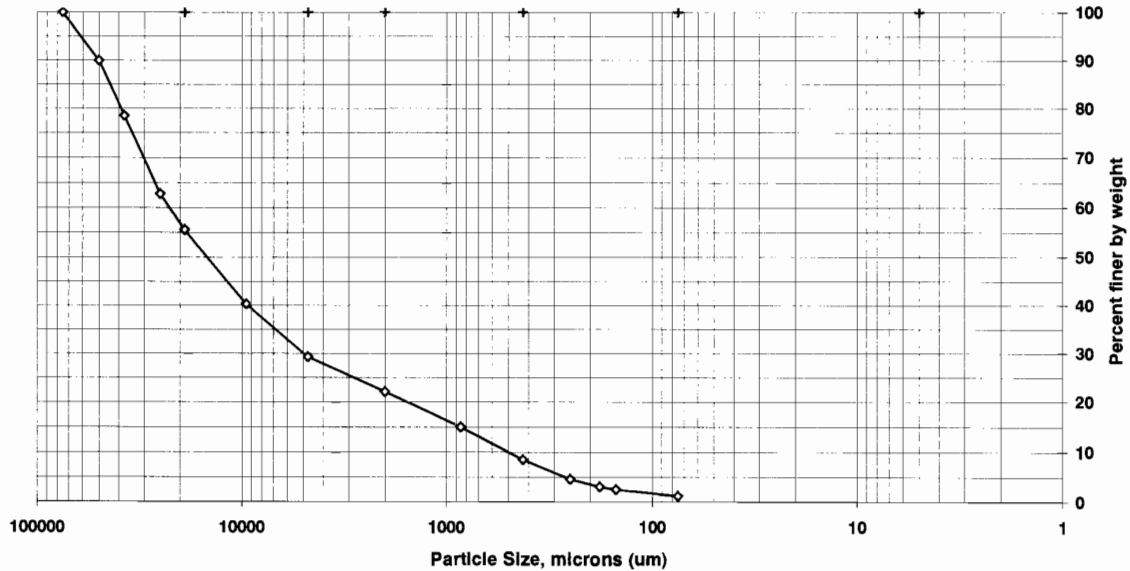
Client Code: URSCOD
 Sample ID: BA4-T01N-SOL
 Lab ID: 829623

SDG: 137254
 ETR(s): 137254

Date Received: 5/5/2010
 Start Date: 5/7/2010
 End Date: 5/14/2010

Percent Solids: 100.0%
 Specific Gravity: 2.650
 Maximum Particle Size: 75 mm

Non-soil material: na
 Shape (> #10): subrounded
 Hardness (> #10): hard



| Sieve size | Particle size, um | Percent finer | Incremental percent |
|------------|-------------------|---------------|---------------------|
| 3 inch | 75000 | 100.0 | 0.0 |
| 2 inch | 50000 | 89.9 | 10.1 |
| 1.5 inch | 37500 | 78.5 | 11.4 |
| 1 inch | 25000 | 62.7 | 15.7 |
| 3/4 inch | 19000 | 55.6 | 7.2 |
| 3/8 inch | 9500 | 40.3 | 15.3 |
| #4 | 4750 | 29.2 | 11.1 |
| #10 | 2000 | 22.1 | 7.1 |
| #20 | 850 | 15.0 | 7.1 |
| #40 | 425 | 8.5 | 6.6 |
| #60 | 250 | 4.6 | 3.9 |
| #80 | 180 | 3.1 | 1.5 |
| #100 | 150 | 2.5 | 0.5 |
| #200 | 75 | 1.2 | 1.4 |

| Soil Classification | Percent of Total Sample |
|---------------------|-------------------------|
| Gravel | 70.8 |
| Sand | 28.1 |
| Coarse Sand | 7.1 |
| Medium Sand | 13.6 |
| Fine Sand | 7.3 |
| Fines | 1.2 |

Preparation Method: **D2217**
 Dispersion Device: Mechanical mixer with
 a metal paddle.
 Dispersion Period: 1 minute

Particle Size Analysis of Soils
By ASTM D422_MOD
Hydrometer Data

Set Number
137254A

Client Code: URSCOD
SDG: 137254
ETR(s): 137254

Date Received: 5-May-10
Start Date: 7-May-10
End Date: 12-May-10

Date and Analyst

| Percent Solids | | Weighed | | Mixed | | Large sieves | | Small sieves | |
|----------------|----|---------|----|-------|----|--------------|----|--------------|----|
| na | na | na | na | na | na | na | na | na | na |

| | | | | | | | | | | | | |
|-------------------|--------|---|---|---|---|---|---|---|---|----|----|----|
| Test number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Lab number | 829620 | | | | | | | | | | | |
| Time, min. (2) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (5) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (15) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (30) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (60) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (250) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (1440) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |

Sieve Only Analysis Requested, Hydrometer test not performed.

| | | | | | | | | | | | |
|------------------|-----------|--------|-----------|--------|------------|---------------|--------------------------|-----|------------------------|-----|--|
| Hydrometer used: | N/A | | Model #: | N/A | | Manufacturer: | N/A | | Hydrometer start time: | N/A | |
| Calibrations: | L temp, C | L read | H Temp, C | H read | Cal. Date: | N/A | Hydrometer data entered: | N/A | | | |
| | 17.0 | N/A | 23.0 | N/A | | | | | | | |

Particle Size Analysis of Soils
By ASTM D422_MOD
Hydrometer Data

Set Number
137254B

Client Code: URSCOD
SDG: 137254
ETR(s): 137254

Date Received: 5-May-10
Start Date: 7-May-10
End Date: 14-May-10

Date and Analyst

| Percent Solids | | | Weighted | | | Mixed | | | Large sieves | | | Small sieves | | |
|----------------|----|----|----------|----|----|-------|----|----|--------------|----|----|--------------|----|----|
| na | na | na | na | na | na | na | na | na | na | na | na | na | na | na |

| | | | | | | | | | | | | |
|-------------------|--------|---|---|---|---|---|---|---|---|----|----|----|
| Test number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Lab number | 829621 | | | | | | | | | | | |
| Time, min. (2) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (5) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (15) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (30) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (60) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (250) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (1440) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |

"Sieve Only" Analysis Requested, Hydrometer test not performed.

Hydrometer used:
Calibrations:

| | | | | | | |
|-----------|-----|--------|----------|-----|-----------|--------|
| L temp, C | N/A | L read | Model #: | N/A | H Temp, C | H read |
| 17.0 | | N/A | | | 23.0 | N/A |

Manufacturer:
Cal. Date:

| | |
|-----|--|
| N/A | |
| N/A | |

Hydrometer start time:
Hydrometer data entered:

| |
|-----|
| N/A |
| N/A |

Particle Size Analysis of Soils
By ASTM D422_MOD
Hydrometer Data

Set Number
137254C

Client Code: URSCOD
SDG: 137254
ETR(s): 137254

Date Received: 5-May-10
Start Date: 7-May-10
End Date: 14-May-10

Date and Analyst

| Percent Solids | | | Weighed | | | Mixed | | | Large sieves | | | Small sieves | |
|----------------|----|----|---------|----|----|-------|----|----|--------------|----|----|--------------|----|
| na | na | na | na | na | na | na | na | na | na | na | na | na | na |
| na | na | na | na | na | na | na | na | na | na | na | na | na | na |

| | | | | | | | | | | | | |
|-------------------|--------|---|---|---|---|---|---|---|---|----|----|----|
| Test number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Lab number | 829622 | | | | | | | | | | | |
| Time, min. (2) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (5) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (15) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (30) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (60) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (250) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (1440) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |

* Sieve Only* Analysis Requested, Hydrometer test not performed.

| | | | | | | | | |
|------------------|-----------|----------|-----------|---------------|------------|------------------------|--------------------------|-----|
| Hydrometer used: | N/A | Model #: | N/A | Manufacturer: | N/A | Hydrometer start time: | N/A | |
| Calibrations: | L temp, C | L read | H Temp, C | H read | Cal. Date: | N/A | Hydrometer data entered: | N/A |
| | 17.0 | N/A | 23.0 | N/A | | | | |

Particle Size Analysis of Soils
By ASTM D422_MOD
Hydrometer Data

Set Number
137254D

Client Code: URSCOD
SDG: 137254
ETR(s): 137254

Date Received: 5-May-10
Start Date: 7-May-10
End Date: 14-May-10

Date and Analyst

| Percent Solids | | | Weighed | | | Mixed | | | Large sieves | | | Small sieves | |
|----------------|----|----|---------|----|----|-------|----|----|--------------|----|----|--------------|----|
| na | na | na | na | na | na | na | na | na | na | na | na | na | na |

| | | | | | | | | | | | | |
|-------------------|--------|---|---|---|---|---|---|---|---|----|----|----|
| Test number | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Lab number | 829623 | | | | | | | | | | | |
| Time, min. (2) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (5) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (15) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (30) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (60) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (250) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |
| Time, min. (1440) | | | | | | | | | | | | |
| Reading | | | | | | | | | | | | |
| Temperature, C | | | | | | | | | | | | |

"Sieve Only" Analysis Requested, Hydrometer test not performed.

Hydrometer used:
Calibrations:

| | | | |
|-----------|----------|-----------|--------|
| N/A | Model #: | N/A | H read |
| L temp, C | L read | H Temp, C | H read |
| 17.0 | N/A | 23.0 | N/A |

Manufacturer: N/A
Cal. Date: N/A

Hydrometer start time: N/A
Hydrometer data entered: N/A

Particle Size Analysis of
Soils By ASTM D422_MOD

Client Code: URSCOD

ETR(s): 137254
SDG: 137254

Date Rec: 5-May-10 Start Date: 7-May-10
End Date: 12-May-10

Sieve Data

SET:

137254A

Test

1

Laboratory No
Sample ID

829620
1A1-T01N-SOL

Dry prep = D421
Wet prep = D2217

Sample Prep

D2217

Pan, g
Pan/sample, g
Pan/dry sample, g

29891.74
29891.74
29891.74

Standard
Values

| Sieve | Opening, um |
|----------|-------------|
| 3 inch | 75000 |
| 2 inch | 50000 |
| 1.5 inch | 37500 |
| 1 inch | 25000 |
| 3/4 inch | 19000 |
| 3/8 inch | 9500 |
| #4 | 4750 |
| #10 | 2000 |
| #20 | 850 |
| #40 | 425 |
| #60 | 250 |
| #80 | 180 |
| #100 | 150 |
| #200 | 75 |

Hygroscopic Moisture correction factor (HMCf) for dry prep / Percent Solids for dry and wet prep

| | |
|-------------------|--------|
| Pan, g | 89.00 |
| Pan/sample, g | 100.00 |
| Pan/dry sample, g | 100.00 |
| HMCf | 100.0% |

Description of >#10 particles

| | |
|-------------------|------------|
| Non-soil material | na |
| Shape | subrounded |
| Hardness | hard |

Sample % Solids 100.0%
Dry sample wt, g 29891.74

Sieve + Sample Weights

| Size | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3 inch | 503.66 | 981.51 | | | | | | | | | |
| 2 inch | 436.37 | 2299.45 | | | | | | | | | |
| 1.5 inch | 468.54 | 2700.31 | | | | | | | | | |
| 1 inch | 466.45 | 3778.86 | | | | | | | | | |
| 3/4 inch | 457.86 | 2576.71 | | | | | | | | | |
| 3/8 inch | 447.53 | 4438.47 | | | | | | | | | |
| #4 | 488.25 | 4436.31 | | | | | | | | | |
| #10 | 462.97 | 4095.10 | | | | | | | | | |
| #20 | 383.65 | 3863.64 | | | | | | | | | |
| #40 | 346.39 | 2530.27 | | | | | | | | | |
| #60 | 335.79 | 1421.47 | | | | | | | | | |
| #80 | 304.82 | 813.18 | | | | | | | | | |
| #100 | 332.03 | 436.00 | | | | | | | | | |
| #200 | 325.36 | 824.25 | | | | | | | | | |

Maximum Particle size 75 mm

Default SG 2.65

Specific gravity 2.650

| Sample Mass Parameters | | | | | | | | | | | |
|------------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Sample Mass >#10, g | 21575.09 | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! |
| Sample mass <#10, g | 8316.65 | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! |

Particle Size Analysis of
Soils By ASTM D422_MOD

Client Code: **UNSCOD**

ETR(s): **137254**
SDG: **137254**

Date Rec: **5-May-10** Start Date: **7-May-10**
End Date: **14-May-10**

Sieve Data

SET: **137254B**

Dry prep = D421
Wet prep = D22 17

Standard
Values

| Sieve | Opening, um |
|----------|-------------|
| 3 inch | 75000 |
| 2 inch | 50000 |
| 1.5 inch | 37500 |
| 1 inch | 25000 |
| 3/4 inch | 19000 |
| 3/8 inch | 9500 |
| #4 | 4750 |
| #10 | 2000 |
| #20 | 850 |
| #40 | 425 |
| #60 | 250 |
| #80 | 180 |
| #100 | 150 |
| #200 | 75 |

Hygroscopic Moisture correction factor (HMCf) for dry prep / Percent Solids for dry and wet prep

| | |
|-------------------|--------|
| Pan, g | 89.00 |
| Pan/sample, g | 100.00 |
| Pan/dry sample, g | 100.00 |
| HMCf | 100.0% |

Description of >#10 particles

| | |
|-------------------|------------|
| Non-soil material | na |
| Shape | subrounded |
| Hardness | hard |

Sample % Solids 100.0%

Dry sample wt, g 34531.00

| Sieve (ates) | Mass, g |
|--------------|---------|
| Size | |
| 3 inch | 503.66 |
| 2 inch | 436.39 |
| 1.5 inch | 468.55 |
| 1 inch | 466.47 |
| 3/4 inch | 457.87 |
| 3/8 inch | 447.63 |
| #4 | 488.28 |
| #10 | 462.99 |
| #20 | 391.44 |
| #40 | 355.96 |
| #60 | 325.98 |
| #80 | 313.67 |
| #100 | 329.91 |
| #200 | 326.31 |

| Sieve + Sample Weights | Mass, g |
|------------------------|---------|
| Size | |
| 3 inch | 1729.40 |
| 2 inch | 4046.85 |
| 1.5 inch | 5496.08 |
| 1 inch | 5773.75 |
| 3/4 inch | 2611.58 |
| 3/8 inch | 4869.97 |
| #4 | 3799.61 |
| #10 | 2975.57 |
| #20 | 3126.55 |
| #40 | 2391.29 |
| #60 | 1262.67 |
| #80 | 662.51 |
| #100 | 462.10 |
| #200 | 694.98 |

Maximum Particle size
75 mm

Default SG 2.65

Specific gravity 2.650

Sample Mass Parameters

| | |
|---------------------|----------|
| Sample Mass >#10, g | 27570.97 |
| Sample mass <#10, g | 6960.03 |

| | | | | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

Particle Size Analysis of
Soils By ASTM D422_MOD
Sieve Data

Client Code: UNSCOD

ETR(s): 137254
SDG: 137254

Date Rec: 5-May-10 Start Date: 7-May-10
End Date: 14-May-10

SET: 137254C

| | | | | | | | | | | | | |
|---------------|--------------|---|---|---|---|---|---|---|---|----|----|----|
| Test | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Laboratory No | 829622 | | | | | | | | | | | |
| Sample ID | 1A3-101N-SOL | | | | | | | | | | | |

Dry prep = D421
Wet prep = D2217

| | |
|-------------------|----------|
| Sample Prep | D2217 |
| Pan, g | 36547.00 |
| Pan/sample, g | |
| Pan/dry sample, g | |

Standard
Values

| Sieve | Opening, um | Hygroscopic Moisture correction factor (HMCf) for dry prep / Percent Solids for dry and wet prep |
|----------|-------------|--|
| 3 inch | 75000 | |
| 2 inch | 50000 | |
| 1.5 inch | 37500 | |
| 1 inch | 25000 | |
| 3/4 inch | 19000 | |
| 3/8 inch | 9500 | |
| #4 | 4750 | |
| #10 | 2000 | |
| #20 | 850 | |
| #40 | 425 | |
| #60 | 250 | |
| #80 | 180 | |
| #100 | 150 | |
| #200 | 75 | |

| | |
|-------------------------------|------------|
| Description of >#10 particles | na |
| Non-soil material | subrounded |
| Shape | hard |
| Hardness | |

Sample % Solids 100.0%
Dry sample wt, g 36547.00

Sieve + Sample Weights

| Sieve (ares) | Size | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g | Mass, g |
|--------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 3 inch | 503.66 | | | | | | | | | | |
| | 2 inch | 436.39 | | | | | | | | | | |
| | 1.5 inch | 468.55 | | | | | | | | | | |
| | 1 inch | 466.47 | | | | | | | | | | |
| | 3/4 inch | 457.87 | | | | | | | | | | |
| | 3/8 inch | 447.63 | | | | | | | | | | |
| | #4 | 488.28 | | | | | | | | | | |
| | #10 | 462.99 | | | | | | | | | | |
| | #20 | 391.44 | | | | | | | | | | |
| | #40 | 355.96 | | | | | | | | | | |
| | #60 | 325.98 | | | | | | | | | | |
| | #80 | 313.67 | | | | | | | | | | |
| | #100 | 329.91 | | | | | | | | | | |
| | #200 | 326.31 | | | | | | | | | | |

Maximum Particle size
75 mm

Default SG 2.65 Specific gravity 2.650

| Sample Mass Parameters | | | | | | | | | | | | |
|------------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Sample Mass >#10, g | 30220.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sample mass <#10, g | 6326.49 | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! | #VALUE! |

Particle Size Analysis of
Soils By ASTM D422_MOD

Client Code: **URSCOD**

ETR(s): **137254**
SDG: **137254**

Date Rec: **5-May-10** Start Date: **7-May-10**
End Date: **14-May-10**

Sieve Data

SET:

137254D

Dry prep = D421
Wet prep = D2217

Standard
Values

| Sieve | Opening, um |
|----------|-------------|
| 3 inch | 75000 |
| 2 inch | 50000 |
| 1.5 inch | 37500 |
| 1 inch | 25000 |
| 3/4 inch | 19000 |
| 3/8 inch | 9500 |
| #4 | 4750 |
| #10 | 2000 |
| #20 | 850 |
| #40 | 425 |
| #60 | 250 |
| #80 | 180 |
| #100 | 150 |
| #200 | 75 |

Sample Prep
Pan, g
Pan/sample, g
Pan/dry sample, g

33115.00

Hygroscopic Moisture correction factor (HMCf) for dry prep / Percent Solids for dry and wet prep

Pan, g
Pan/sample, g
Pan/dry sample, g
HMCf

99.00
100.00
100.00
100.0%

Description of >#10 particles

Non-soil material
Shape
Hardness

na
subrounded
hard

Sample % Solids

100.0%

Dry sample wt, g

33115.00

Sieve + Sample Weights

| Size | Mass, g |
|----------|---------|
| 3 inch | 503.66 |
| 2 inch | 436.39 |
| 1.5 inch | 468.55 |
| 1 inch | 466.47 |
| 3/4 inch | 457.87 |
| 3/8 inch | 447.63 |
| #4 | 488.28 |
| #10 | 462.99 |
| #20 | 391.44 |
| #40 | 355.96 |
| #60 | 325.98 |
| #80 | 313.67 |
| #100 | 329.91 |
| #200 | 326.31 |

| Size | Mass, g |
|----------|---------|
| 3 inch | 3770.48 |
| 2 inch | 4258.37 |
| 1.5 inch | 5679.83 |
| 1 inch | 2830.00 |
| 3/4 inch | 5506.25 |
| 3/8 inch | 4152.05 |
| #4 | 2830.57 |
| #10 | 2728.43 |
| #20 | 2534.57 |
| #40 | 1615.16 |
| #60 | 806.13 |
| #80 | 506.03 |
| #100 | 774.27 |
| #200 | |

Maximum Particle size

75 mm

Default SG

2.65

Specific gravity

2.650

Sample Mass Parameters

Sample Mass >#10, g
Sample mass <#10, g

25799.37
7315.63

#VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE!



Sample Handling



ORIGIN ID: APAA (303) 740-3964
JAMES HAGAN
URS CORP
8181 E TUFTS AVE
MAILROOM
DENVER, CO 80237
UNITED STATES US

SHIP DATE: 04MAY10
ACTWGT: 84.0 LB MAN
CAD: 0734874/CAFE2452

BILL THIRD PARTY

TO SAMPLE RECEIVING

TEST AMERICA
30 COMMUNITY DRIVE
STE.11

SOUTH BURLINGTON VT 05403

(802) 880-1990 REF: 22241609.54210.02000
PO: L.BEST



WED - 05MAY AA
PRIORITY OVERNIGHT

1 of 4
TRK# 9539 8385 3781
NM MASTER NM

05403
VT-US
BTV

XH BTVA



ORIGIN ID: APAA (303) 740-3964
JAMES HAGAN
URS CORP
8181 E TUFTS AVE
MAILROOM
DENVER, CO 80237
UNITED STATES US

SHIP DATE: 04MAY10
ACTWGT: 85.0 LB MAN
CAD: 0734874/CAFE2452

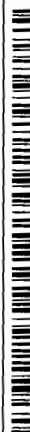
BILL THIRD PARTY

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STE.11

SOUTH BURLINGTON VT 05403

(802) 880-1990 REF: 22241609.54210.02000
PO: L.BEST



WED - 05MAY AA
PRIORITY OVERNIGHT

2 of 4
MPS# 9539 8385 3792
Mstr# 9539 8385 3781 0201

05403
VT-US
BTV

XH BTVA

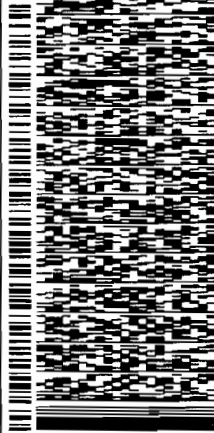




ORIGIN ID: APAA (303) 740-3964
JAMES HAGAN
URS CORP
8181 E. TUFTS AVE
MAILROOM
DENVER, CO 80237
UNITED STATES US

SHIP DATE: 04MAY10
ACTWGT: 79.0 LB MAN
CAD: 0734874/CAFE2452
BILL THIRD PARTY

TO **SAMPLE RECEIVING**
TEST AMERICA
30 SOMMUNITY DRIVE
STE.11
SOUTH BURLINGTON VT 05403
(802) 660-1990 REF: 22241609.54210.02000
PO: L.BEST



4 of 4
WED - 05MAY AA
PRIORITY OVERNIGHT

NPS# 9539 8385 3818
0263
Matr# 9539 8385 3781 0201

XH BTVA
05403
VT-US
BTB



ORIGIN ID: APAA (303) 740-3964
JAMES HAGAN
URS CORP
8181 E. TUFTS AVE
MAILROOM
DENVER, CO 80237
UNITED STATES US

SHIP DATE: 04MAY10
ACTWGT: 79.0 LB MAN
CAD: 0734874/CAFE2452
BILL THIRD PARTY

TO **SAMPLE RECEIVING**
TEST AMERICA
30 SOMMUNITY DRIVE
STE.11
SOUTH BURLINGTON VT 05403
(802) 660-1990 REF: 22241609.54210.02000
PO: L.BEST



3 of 4
WED - 05MAY AA
PRIORITY OVERNIGHT

NPS# 9539 8385 3807
0263
Matr# 9539 8385 3781 0201

XH BTVA
05403
VT-US
BTB





ANALYTICAL SUMMARY REPORT

May 28, 2010

Sheri O'Conner
URS Corporation
8181 E Tufts Ave
Denver, CO 80237

Workorder No.: B10051307

Quote ID: B2164

Project Name: CMI

Energy Laboratories Inc received the following 4 samples for URS Corporation on 5/18/2010 for analysis.

| Sample ID | Client Sample ID | Collect Date | Receive Date | Matrix | Test |
|---------------|------------------|---------------|--------------|--------|---|
| B10051307-001 | BA1-TOIN-SOL | 04/28/10 9:00 | 05/18/10 | Soil | DPTA extractable metals Metals, NH4OAc Extractable Metals, Ammonium Oxalate Extractable Cations, Saturated Paste Conductivity Nitrate as N, KCL Extract pH, Saturated Paste Phosphorus-Olsen DTPA extraction for metals NH4AC Soil Extraction Ammonium Oxalate Soil Extraction Saturated Paste Extraction Particle Size Analysis Sodium Adsorption Ratio Texture |
| B10051307-002 | BA2-TOIN-SOL | 04/28/10 9:10 | 05/18/10 | Soil | Same As Above |
| B10051307-003 | BA3-TOIN-SOL | 04/28/10 9:20 | 05/18/10 | Soil | Same As Above |
| B10051307-004 | BA4-TOIN-SOL | 04/28/10 9:35 | 05/18/10 | Soil | Same As Above |

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

LABORATORY ANALYTICAL REPORT

Client: URS Corporation
Project: CMI
Lab ID: B10051307-001
Client Sample ID: BA1-TOIN-SOL

Report Date: 05/28/10
Collection Date: 04/28/10 09:00
Date Received: 05/18/10
Matrix: Soil

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|----------|------------|------|-------------|-------------|----------------------|
| PHYSICAL CHARACTERISTICS | | | | | | | |
| Sand | 65 | % | | 1.0 | | ASA15-5 | 05/28/10 07:30 / srm |
| Silt | 15 | % | | 1.0 | | ASA15-5 | 05/28/10 07:30 / srm |
| Clay | 20 | % | | 1.0 | | ASA15-5 | 05/28/10 07:30 / srm |
| Texture | SCL | | | | | ASA15-5 | 05/28/10 07:30 / srm |
| - C = Clay, S = Sand(y), Si = Silt(y), L = Loam(y) | | | | | | | |
| SATURATED PASTE | | | | | | | |
| pH, sat. paste | 8.20 | s.u. | | 0.10 | | ASAM10-3.2 | 05/26/10 11:10 / srm |
| Conductivity, sat. paste | 0.85 | mmhos/cm | | 0.01 | | ASA10-3 | 05/26/10 11:10 / srm |
| Calcium, sat. paste | 1.66 | meq/L | | 0.05 | | SW6010B | 05/26/10 22:51 / tao |
| Magnesium, sat. paste | 1.14 | meq/L | | 0.08 | | SW6010B | 05/26/10 22:51 / tao |
| Sodium, sat. paste | 6.68 | meq/L | | 0.04 | | SW6010B | 05/26/10 22:51 / tao |
| Sodium Adsorption Ratio (SAR) | 5.65 | unitless | | 0.01 | | Calculation | 05/27/10 10:29 / srm |
| CHEMICAL CHARACTERISTICS | | | | | | | |
| Phosphorus, Olsen | 9 | mg/kg | | 1 | | ASA24-5 | 05/28/10 05:08 / srm |
| Nitrate as N, KCL Extract | 1 | mg/kg | | 1 | | ASA33-8 | 05/28/10 06:31 / srm |
| METALS, AMMONIUM OXALATE EXTRACTABLE | | | | | | | |
| Molybdenum | ND | mg/kg | | 1.0 | | SW6010B | 05/25/10 22:58 / rlh |
| METALS, AMMONIUM ACETATE EXTRACTABLE | | | | | | | |
| Potassium | 110 | mg/kg | | 10 | | SW6010B | 05/25/10 22:14 / rlh |
| METALS, DTPA EXTRACTABLE | | | | | | | |
| Aluminum | 0.4 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:06 / tao |
| Copper | 0.3 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:06 / tao |
| Iron | 3 | mg/kg | | 1 | | SW6010B | 05/27/10 18:06 / tao |
| Manganese | 0.9 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:06 / tao |
| Zinc | 0.1 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:06 / tao |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: URS Corporation
Project: CMI
Lab ID: B10051307-002
Client Sample ID: BA2-TOIN-SOL

Report Date: 05/28/10
Collection Date: 04/28/10 09:10
Date Received: 05/18/10
Matrix: Soil

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|----------|------------|------|-------------|-------------|----------------------|
| PHYSICAL CHARACTERISTICS | | | | | | | |
| Sand | 72 | % | | 1.0 | | ASA15-5 | 05/28/10 07:30 / srm |
| Silt | 12 | % | | 1.0 | | ASA15-5 | 05/28/10 07:30 / srm |
| Clay | 16 | % | | 1.0 | | ASA15-5 | 05/28/10 07:30 / srm |
| Texture | SL | | | | | ASA15-5 | 05/28/10 07:30 / srm |
| - C = Clay, S = Sand(y), Si = Silt(y), L = Loam(y) | | | | | | | |
| SATURATED PASTE | | | | | | | |
| pH, sat. paste | 7.80 | s.u. | | 0.10 | | ASAM10-3.2 | 05/26/10 11:10 / srm |
| Conductivity, sat. paste | 3.65 | mmhos/cm | | 0.01 | | ASA10-3 | 05/26/10 11:10 / srm |
| Calcium, sat. paste | 28.3 | meq/L | | 0.05 | | SW6010B | 05/26/10 22:55 / tao |
| Magnesium, sat. paste | 9.00 | meq/L | | 0.08 | | SW6010B | 05/26/10 22:55 / tao |
| Sodium, sat. paste | 17.1 | meq/L | D | 0.07 | | SW6010B | 05/26/10 22:55 / tao |
| Sodium Adsorption Ratio (SAR) | 3.95 | unitless | | 0.01 | | Calculation | 05/27/10 10:29 / srm |
| CHEMICAL CHARACTERISTICS | | | | | | | |
| Phosphorus, Olsen | 7 | mg/kg | | 1 | | ASA24-5 | 05/28/10 05:13 / srm |
| Nitrate as N, KCL Extract | 2 | mg/kg | | 1 | | ASA33-8 | 05/28/10 06:32 / srm |
| METALS, AMMONIUM OXALATE EXTRACTABLE | | | | | | | |
| Molybdenum | ND | mg/kg | | 1.0 | | SW6010B | 05/25/10 23:06 / rlh |
| METALS, AMMONIUM ACETATE EXTRACTABLE | | | | | | | |
| Potassium | 130 | mg/kg | | 10 | | SW6010B | 05/25/10 22:30 / rlh |
| METALS, DTPA EXTRACTABLE | | | | | | | |
| Aluminum | 0.3 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:13 / tao |
| Copper | 0.1 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:13 / tao |
| Iron | 4 | mg/kg | | 1 | | SW6010B | 05/27/10 18:13 / tao |
| Manganese | 0.7 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:13 / tao |
| Zinc | 0.1 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:13 / tao |

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: URS Corporation
Project: CMI
Lab ID: B10051307-003
Client Sample ID: BA3-TOIN-SOL

Report Date: 05/28/10
Collection Date: 04/28/10 09:20
Date Received: 05/18/10
Matrix: Soil

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|----------|------------|------|-------------|-------------|----------------------|
| PHYSICAL CHARACTERISTICS | | | | | | | |
| Sand | 84 | % | | 1.0 | | ASA15-5 | 05/28/10 07:30 / srm |
| Silt | 6.0 | % | | 1.0 | | ASA15-5 | 05/28/10 07:30 / srm |
| Clay | 10 | % | | 1.0 | | ASA15-5 | 05/28/10 07:30 / srm |
| Texture | LS | | | | | ASA15-5 | 05/28/10 07:30 / srm |
| - C = Clay, S = Sand(y), Si = Silt(y), L = Loam(y) | | | | | | | |
| SATURATED PASTE | | | | | | | |
| pH, sat. paste | 7.80 | s.u. | | 0.10 | | ASAM10-3.2 | 05/26/10 11:10 / srm |
| Conductivity, sat. paste | 2.56 | mmhos/cm | | 0.01 | | ASA10-3 | 05/26/10 11:10 / srm |
| Calcium, sat. paste | 21.0 | meq/L | | 0.05 | | SW6010B | 05/26/10 23:03 / tao |
| Magnesium, sat. paste | 7.74 | meq/L | | 0.08 | | SW6010B | 05/26/10 23:03 / tao |
| Sodium, sat. paste | 7.90 | meq/L | D | 0.07 | | SW6010B | 05/26/10 23:03 / tao |
| Sodium Adsorption Ratio (SAR) | 2.09 | unitless | | 0.01 | | Calculation | 05/27/10 10:29 / srm |
| CHEMICAL CHARACTERISTICS | | | | | | | |
| Phosphorus, Olsen | 7 | mg/kg | | 1 | | ASA24-5 | 05/28/10 05:14 / srm |
| Nitrate as N, KCL Extract | 1 | mg/kg | | 1 | | ASA33-8 | 05/28/10 06:33 / srm |
| METALS, AMMONIUM OXALATE EXTRACTABLE | | | | | | | |
| Molybdenum | ND | mg/kg | | 1.0 | | SW6010B | 05/25/10 23:22 / rlh |
| METALS, AMMONIUM ACETATE EXTRACTABLE | | | | | | | |
| Potassium | 110 | mg/kg | | 10 | | SW6010B | 05/25/10 22:38 / rlh |
| METALS, DTPA EXTRACTABLE | | | | | | | |
| Aluminum | 0.4 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:21 / tao |
| Copper | 0.2 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:21 / tao |
| Iron | 3 | mg/kg | | 1 | | SW6010B | 05/27/10 18:21 / tao |
| Manganese | 0.9 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:21 / tao |
| Zinc | 0.1 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:21 / tao |

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: URS Corporation
Project: CMI
Lab ID: B10051307-004
Client Sample ID: BA4-TOIN-SOL

Report Date: 05/28/10
Collection Date: 04/28/10 09:35
Date Received: 05/18/10
Matrix: Soil

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|--|--------|----------|------------|------|-------------|-------------|----------------------|
| PHYSICAL CHARACTERISTICS | | | | | | | |
| Sand | 83 | % | | 1.0 | | ASA15-5 | 05/28/10 07:30 / srm |
| Silt | 9.0 | % | | 1.0 | | ASA15-5 | 05/28/10 07:30 / srm |
| Clay | 8.0 | % | | 1.0 | | ASA15-5 | 05/28/10 07:30 / srm |
| Texture | LS | | | | | ASA15-5 | 05/28/10 07:30 / srm |
| - C = Clay, S = Sand(y), Si = Silt(y), L = Loam(y) | | | | | | | |
| SATURATED PASTE | | | | | | | |
| pH, sat. paste | 7.80 | s.u. | | 0.10 | | ASAM10-3.2 | 05/26/10 11:10 / srm |
| Conductivity, sat. paste | 1.43 | mmhos/cm | | 0.01 | | ASA10-3 | 05/26/10 11:10 / srm |
| Calcium, sat. paste | 9.48 | meq/L | | 0.05 | | SW6010B | 05/26/10 23:07 / tao |
| Magnesium, sat. paste | 3.13 | meq/L | | 0.08 | | SW6010B | 05/26/10 23:07 / tao |
| Sodium, sat. paste | 5.71 | meq/L | | 0.04 | | SW6010B | 05/26/10 23:07 / tao |
| Sodium Adsorption Ratio (SAR) | 2.27 | unitless | | 0.01 | | Calculation | 05/27/10 10:29 / srm |
| CHEMICAL CHARACTERISTICS | | | | | | | |
| Phosphorus, Olsen | 6 | mg/kg | | 1 | | ASA24-5 | 05/28/10 05:15 / srm |
| Nitrate as N, KCL Extract | 2 | mg/kg | | 1 | | ASA33-8 | 05/28/10 06:33 / srm |
| METALS, AMMONIUM OXALATE EXTRACTABLE | | | | | | | |
| Molybdenum | ND | mg/kg | | 1.0 | | SW6010B | 05/25/10 23:26 / rlh |
| METALS, AMMONIUM ACETATE EXTRACTABLE | | | | | | | |
| Potassium | 100 | mg/kg | | 10 | | SW6010B | 05/25/10 22:42 / rlh |
| METALS, DTPA EXTRACTABLE | | | | | | | |
| Aluminum | 0.5 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:57 / tao |
| Copper | 0.1 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:57 / tao |
| Iron | 3 | mg/kg | | 1 | | SW6010B | 05/27/10 18:57 / tao |
| Manganese | 0.5 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:57 / tao |
| Zinc | 0.1 | mg/kg | | 0.1 | | SW6010B | 05/27/10 18:57 / tao |

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: URS Corporation

Project: CMI

Report Date: 05/28/10

Work Order: B10051307

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------|---------------------------|----------|-------|------|-----------|------------------------|-----|----------|----------------|
| Method: ASA10-3 | | | | | | | | | Batch: R148192 |
| Sample ID: B10051306-001A DUP | Sample Duplicate | | | | | Run: MISC-SOIL_100526A | | | 05/26/10 11:10 |
| Conductivity, sat. paste | 7.87 | mmhos/cm | 0.010 | | | | 0.3 | 30 | |
| Sample ID: B10051311-001A DUP | Sample Duplicate | | | | | Run: MISC-SOIL_100526A | | | 05/26/10 11:10 |
| Conductivity, sat. paste | 2.66 | mmhos/cm | 0.010 | | | | 3.4 | 30 | |
| Sample ID: B10051311-011A DUP | Sample Duplicate | | | | | Run: MISC-SOIL_100526A | | | 05/26/10 11:10 |
| Conductivity, sat. paste | 12.7 | mmhos/cm | 0.010 | | | | 1.3 | 30 | |
| Sample ID: B10051311-021A DUP | Sample Duplicate | | | | | Run: MISC-SOIL_100526A | | | 05/26/10 11:10 |
| Conductivity, sat. paste | 14.1 | mmhos/cm | 0.010 | | | | 1.8 | 30 | |
| Sample ID: B10051311-031A DUP | Sample Duplicate | | | | | Run: MISC-SOIL_100526A | | | 05/26/10 11:10 |
| Conductivity, sat. paste | 0.810 | mmhos/cm | 0.010 | | | | 7.7 | 30 | |
| Sample ID: LCS-1005261110 | Laboratory Control Sample | | | | | Run: MISC-SOIL_100526A | | | 05/26/10 11:10 |
| Conductivity, sat. paste | 8.67 | mmhos/cm | 0.010 | 99 | 50 | 150 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: URS Corporation
Project: CMI

Report Date: 05/28/10
Work Order: B10051307

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------|---------------------------|-------|-----|------|-----------|------------------------|-----|----------|----------------|
| Method: ASA15-5 | | | | | | | | | Batch: R148305 |
| Sample ID: B10051307-001A DUP | Sample Duplicate | | | | | Run: MISC-SOIL_100528A | | | 05/28/10 07:30 |
| Sand | 66 | % | 1.0 | | | | 1.5 | 40 | |
| Silt | 15 | % | 1.0 | | | | 0 | 40 | |
| Clay | 19 | % | 1.0 | | | | 5.1 | 40 | |
| Sample ID: B10052041-001A DUP | Sample Duplicate | | | | | Run: MISC-SOIL_100528A | | | 05/28/10 07:30 |
| Sand | 66 | % | 1.0 | | | | 1.5 | 40 | |
| Silt | 19 | % | 1.0 | | | | 0 | 40 | |
| Clay | 15 | % | 1.0 | | | | 6.5 | 40 | |
| Sample ID: LCS-1005280730 | Laboratory Control Sample | | | | | Run: MISC-SOIL_100528A | | | 05/28/10 07:30 |
| Sand | 38 | % | 1.0 | 93 | 50 | 150 | | | |
| Silt | 38 | % | 1.0 | 109 | 50 | 150 | | | |
| Clay | 24 | % | 1.0 | 100 | 50 | 150 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: URS Corporation
Project: CMI

Report Date: 05/28/10
Work Order: B10051307

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|---------------------------|-------|-----|------|-----------------------|------------|---------------------|----------------|------|
| Method: ASA24-5 | | | | | | | Batch: 10052801-PS3 | | |
| Sample ID: LCS | Laboratory Control Sample | | | | Run: FIA201-B_100528A | | | 05/28/10 05:03 | |
| Phosphorus, Olsen | 14.2 | mg/kg | 1.0 | 102 | 50 | 150 | | | |
| Sample ID: B10051307-001ADUP | Sample Duplicate | | | | Run: FIA201-B_100528A | | | 05/28/10 05:10 | |
| Phosphorus, Olsen | 7.33 | mg/kg | 1.0 | | | | 16 | 30 | |
| Sample ID: B10051307-001AMS | Sample Matrix Spike | | | | Run: FIA201-B_100528A | | | 05/28/10 05:11 | |
| Phosphorus, Olsen | 21.1 | mg/kg | 1.0 | 118 | 50 | 150 | | | |
| Sample ID: B10051734-001ADUP | Sample Duplicate | | | | Run: FIA201-B_100528A | | | 05/28/10 05:27 | |
| Phosphorus, Olsen | 26.0 | mg/kg | 1.0 | | | | 10 | 30 | |
| Sample ID: B10051734-001AMS | Sample Matrix Spike | | | | Run: FIA201-B_100528A | | | 05/28/10 05:28 | |
| Phosphorus, Olsen | 42.7 | mg/kg | 1.0 | 133 | 50 | 150 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: URS Corporation
Project: CMI

Report Date: 05/28/10
Work Order: B10051307

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|------------------------------|---------------------------|-----------|-----|------|-----------|-----------------------|-----|----------------------|----------------|
| Method: ASA33-8 | | | | | | | | Batch: 10052802-NNS2 | |
| Sample ID: LCS | Laboratory Control Sample | | | | | Run: FIA201-B_100528A | | | 05/28/10 06:26 |
| Nitrate as N, KCL Extract | 7.95 | mg/kg | 1.0 | 88 | 50 | 150 | | | |
| Sample ID: B10051306-001ADUP | Sample Duplicate | | | | | Run: FIA201-B_100528A | | | 05/28/10 06:30 |
| Nitrate as N, KCL Extract | 1080 | mg/kg | 1.0 | | | | 0.2 | | |
| Sample ID: B10051306-001AMS | Sample Matrix Spike | | | | | Run: FIA201-B_100528A | | | 05/28/10 06:31 |
| Nitrate as N, KCL Extract | 1670 | mg/kg | 1.0 | 112 | 50 | 150 | | | |
| Sample ID: B10051649-006ADUP | Sample Duplicate | | | | | Run: FIA201-B_100528A | | | 05/28/10 06:38 |
| Nitrate as N, KCL Extract | 2.43 | mg/kg-dry | 1.0 | | | | 3 | | |
| Sample ID: B10051649-006AMS | Sample Matrix Spike | | | | | Run: FIA201-B_100528A | | | 05/28/10 06:39 |
| Nitrate as N, KCL Extract | 7.86 | mg/kg-dry | 1.0 | 102 | 50 | 150 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: URS Corporation
Project: CMI

Report Date: 05/28/10
Work Order: B10051307

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------|---------------------------|-------|------|------|-----------|------------------------|-----|----------|----------------|
| Method: ASAM10-3.2 | | | | | | | | | Batch: R148192 |
| Sample ID: B10051306-001A DUP | Sample Duplicate | | | | | Run: MISC-SOIL_100526A | | | 05/26/10 11:10 |
| pH, sat. paste | 8.10 | s.u. | 0.10 | | | | 0 | 10 | |
| Sample ID: LCS-1005261110 | Laboratory Control Sample | | | | | Run: MISC-SOIL_100526A | | | 05/26/10 11:10 |
| pH, sat. paste | 7.00 | s.u. | 0.10 | 99 | 90 | 110 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit



QA/QC Summary Report

Client: URS Corporation
Project: CMI

Report Date: 05/28/10
Work Order: B10051307

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--|-----------------------------------|----------|-------|------|-----------|------------------------|-----|----------|----------------|
| Method: Calculation | | | | | | | | | Batch: R148260 |
| Sample ID: B10051306-001A DUP Sodium Adsorption Ratio (SAR) | Sample Duplicate 0.840 | unitless | 0.010 | | | Run: MISC-SOIL_100527A | 2.4 | 30 | 05/27/10 10:29 |
| Sample ID: B10051311-001A DUP Sodium Adsorption Ratio (SAR) | Sample Duplicate 4.15 | unitless | 0.010 | | | Run: MISC-SOIL_100527A | 0.5 | 30 | 05/27/10 10:29 |
| Sample ID: B10051311-011A DUP Sodium Adsorption Ratio (SAR) | Sample Duplicate 35.4 | unitless | 0.010 | | | Run: MISC-SOIL_100527A | 6 | 30 | 05/27/10 10:29 |
| Sample ID: B10051311-021A DUP Sodium Adsorption Ratio (SAR) | Sample Duplicate 37.0 | unitless | 0.010 | | | Run: MISC-SOIL_100527A | 1.6 | 30 | 05/27/10 10:29 |
| Sample ID: B10051311-031A DUP Sodium Adsorption Ratio (SAR) | Sample Duplicate 0.800 | unitless | 0.010 | | | Run: MISC-SOIL_100527A | 9.2 | 30 | 05/27/10 10:29 |
| Sample ID: LCS-1005271029 Sodium Adsorption Ratio (SAR) | Laboratory Control Sample 5.91 | unitless | 0.010 | 96 | 50 | 150 | | | 05/27/10 10:29 |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: URS Corporation
Project: CMI

Report Date: 05/28/10
Work Order: B10051307

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------|---------------------------|-------|-------|------|-----------------------|------------|-----|----------------|--------------|
| Method: SW6010B | | | | | | | | | Batch: 46542 |
| Sample ID: LCS-46542 | Laboratory Control Sample | | | | Run: ICP201-B_100526A | | | 05/26/10 22:32 | |
| Calcium, sat. paste | 52.0 | meq/L | 0.092 | 98 | 50 | 150 | | | |
| Magnesium, sat. paste | 33.4 | meq/L | 0.082 | 99 | 50 | 150 | | | |
| Sodium, sat. paste | 38.6 | meq/L | 0.15 | 93 | 50 | 150 | | | |
| Sample ID: B10051306-001A DUP | Sample Duplicate | | | | Run: ICP201-B_100526A | | | 05/26/10 22:47 | |
| Calcium, sat. paste | 22.7 | meq/L | 0.092 | | | | 0 | 30 | |
| Magnesium, sat. paste | 94.9 | meq/L | 0.082 | | | | 0.6 | 30 | |
| Sodium, sat. paste | 6.48 | meq/L | 0.15 | | | | 3 | 30 | |
| Sample ID: B10051307-002AMS2 | Sample Matrix Spike | | | | Run: ICP201-B_100526A | | | 05/26/10 22:59 | |
| Calcium, sat. paste | 41.7 | meq/L | 0.050 | 107 | 50 | 150 | | | |
| Magnesium, sat. paste | 30.7 | meq/L | 0.082 | 106 | 50 | 150 | | | |
| Sodium, sat. paste | 29.6 | meq/L | 0.076 | 115 | 50 | 150 | | | |
| Sample ID: B10051311-001A DUP | Sample Duplicate | | | | Run: ICP201-B_100526A | | | 05/26/10 23:14 | |
| Calcium, sat. paste | 14.6 | meq/L | 0.050 | | | | 5.8 | 30 | |
| Magnesium, sat. paste | 6.34 | meq/L | 0.082 | | | | 4.3 | 30 | |
| Sodium, sat. paste | 13.4 | meq/L | 0.074 | | | | 2.1 | 30 | |
| Sample ID: B10051311-002AMS2 | Sample Matrix Spike | | | | Run: ICP201-B_100526A | | | 05/26/10 23:30 | |
| Calcium, sat. paste | 38.3 | meq/L | 0.050 | 99 | 50 | 150 | | | |
| Magnesium, sat. paste | 30.5 | meq/L | 0.082 | 101 | 50 | 150 | | | |
| Sodium, sat. paste | 37.1 | meq/L | 0.076 | 91 | 50 | 150 | | | |
| Sample ID: B10051311-011A DUP | Sample Duplicate | | | | Run: ICP201-B_100526A | | | 05/27/10 00:16 | |
| Calcium, sat. paste | 21.7 | meq/L | 0.18 | | | | 1.1 | 30 | |
| Magnesium, sat. paste | 35.9 | meq/L | 0.097 | | | | 4.3 | 30 | |
| Sodium, sat. paste | 190 | meq/L | 0.29 | | | | 7.5 | 30 | |
| Sample ID: B10051311-012AMS2 | Sample Matrix Spike | | | | Run: ICP201-B_100526A | | | 05/27/10 00:24 | |
| Calcium, sat. paste | 79.3 | meq/L | 0.19 | 101 | 50 | 150 | | | |
| Magnesium, sat. paste | 127 | meq/L | 0.10 | 102 | 50 | 150 | | | |
| Sodium, sat. paste | 185 | meq/L | 0.30 | 103 | 50 | 150 | | | |
| Sample ID: B10051311-021A DUP | Sample Duplicate | | | | Run: ICP201-B_100526A | | | 05/27/10 01:11 | |
| Calcium, sat. paste | 22.6 | meq/L | 0.18 | | | | 4.1 | 30 | |
| Magnesium, sat. paste | 40.1 | meq/L | 0.097 | | | | 0.3 | 30 | |
| Sodium, sat. paste | 207 | meq/L | 0.29 | | | | 0.9 | 30 | |
| Sample ID: B10051311-022AMS2 | Sample Matrix Spike | | | | Run: ICP201-B_100526A | | | 05/27/10 01:18 | |
| Calcium, sat. paste | 73.3 | meq/L | 0.19 | 104 | 50 | 150 | | | |
| Magnesium, sat. paste | 126 | meq/L | 0.10 | 104 | 50 | 150 | | | |
| Sodium, sat. paste | 194 | meq/L | 0.30 | 110 | 50 | 150 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: URS Corporation
Project: CMI

Report Date: 05/28/10
Work Order: B10051307

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|--------------------------------------|---------------------------|-------|-------|------|-----------|-----------------------|-----|----------|----------------|
| Method: SW6010B | | | | | | | | | Batch: 46542 |
| Sample ID: B10051311-031A DUP | Sample Duplicate | | | | | Run: ICP201-B_100526A | | | 05/27/10 02:29 |
| Calcium, sat. paste | 4.77 | meq/L | 0.050 | | | | 12 | 30 | |
| Magnesium, sat. paste | 2.01 | meq/L | 0.082 | | | | 13 | 30 | |
| Sodium, sat. paste | 1.48 | meq/L | 0.044 | | | | 16 | 30 | |
| Sample ID: B10051311-033AMS2 | Sample Matrix Spike | | | | | Run: ICP201-B_100526A | | | 05/27/10 02:41 |
| Calcium, sat. paste | 46.2 | meq/L | 0.095 | 97 | 50 | 150 | | | |
| Magnesium, sat. paste | 71.6 | meq/L | 0.082 | 102 | 50 | 150 | | | |
| Sodium, sat. paste | 115 | meq/L | 0.15 | | 50 | 150 | | | A |
| Method: SW6010B | | | | | | | | | Batch: 46555 |
| Sample ID: LCS-46555 | Laboratory Control Sample | | | | | Run: ICP201-B_100527A | | | 05/27/10 18:02 |
| Aluminum | 0.328 | mg/kg | 0.10 | 73 | 50 | 150 | | | |
| Copper | 3.36 | mg/kg | 0.10 | 120 | 50 | 150 | | | |
| Iron | 18.1 | mg/kg | 1.0 | 102 | 50 | 150 | | | |
| Manganese | 8.74 | mg/kg | 0.10 | 94 | 50 | 150 | | | |
| Zinc | 2.27 | mg/kg | 0.10 | 98 | 50 | 150 | | | |
| Sample ID: B10051307-001A DUP | Sample Duplicate | | | | | Run: ICP201-B_100527A | | | 05/27/10 18:10 |
| Aluminum | 0.399 | mg/kg | 0.10 | | | | 8.9 | 30 | |
| Copper | 0.252 | mg/kg | 0.10 | | | | 1.8 | 30 | |
| Iron | 3.36 | mg/kg | 1.0 | | | | 2.8 | 30 | |
| Manganese | 0.915 | mg/kg | 0.10 | | | | 0.7 | 30 | |
| Zinc | 0.138 | mg/kg | 0.10 | | | | 2.3 | 30 | |
| Sample ID: B10051307-002AMS2 | Sample Matrix Spike | | | | | Run: ICP201-B_100527A | | | 05/27/10 18:17 |
| Aluminum | 7.79 | mg/kg | 0.10 | 75 | 50 | 150 | | | |
| Copper | 2.17 | mg/kg | 0.10 | 101 | 50 | 150 | | | |
| Iron | 13.2 | mg/kg | 1.0 | 94 | 50 | 150 | | | |
| Manganese | 9.69 | mg/kg | 0.10 | 90 | 50 | 150 | | | |
| Zinc | 2.01 | mg/kg | 0.10 | 93 | 50 | 150 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.



QA/QC Summary Report

Client: URS Corporation
Project: CMI

Report Date: 05/28/10
Work Order: B10051307

| Analyte | Result | Units | RL | %REC | Low Limit | High Limit | RPD | RPDLimit | Qual |
|-------------------------------|---------------------------|-------|-----|------|-----------------------|------------|-----|----------|----------------|
| Method: SW6010B | | | | | | | | | Batch: 46504 |
| Sample ID: LCS-46504 | Laboratory Control Sample | | | | Run: ICP202-B_100525A | | | | 05/25/10 22:05 |
| Potassium | 350 | mg/kg | 10 | 126 | 50 | 150 | | | |
| Sample ID: B10051307-001A DUP | Sample Duplicate | | | | Run: ICP202-B_100525A | | | | 05/25/10 22:18 |
| Potassium | 110 | mg/kg | 10 | | | | 2.3 | 30 | |
| Sample ID: B10051307-002AMS2 | Sample Matrix Spike | | | | Run: ICP202-B_100525A | | | | 05/25/10 22:34 |
| Potassium | 1200 | mg/kg | 10 | 106 | 50 | 150 | | | |
| Method: SW6010B | | | | | | | | | Batch: 46509 |
| Sample ID: LCS-46509 | Laboratory Control Sample | | | | Run: ICP202-B_100525A | | | | 05/25/10 22:54 |
| Molybdenum | 0.44 | mg/kg | 1.0 | 99 | 50 | 150 | | | |
| Sample ID: B10051307-001A DUP | Sample Duplicate | | | | Run: ICP202-B_100525A | | | | 05/25/10 23:02 |
| Molybdenum | 0.14 | mg/kg | 1.0 | | | | | 20 | |
| Sample ID: B10051307-002AMS2 | Sample Matrix Spike | | | | Run: ICP202-B_100525A | | | | 05/25/10 23:18 |
| Molybdenum | 21 | mg/kg | 1.0 | 101 | 70 | 130 | | | |

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Workorder Receipt Checklist



B10051307

Login completed by: Darwin C. Miller

Date Received: 5/18/2010

Reviewed by: BL2000\kmcDonald

Received by: lg

Reviewed Date: 5/18/2010

Carrier name: FedEx

| | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 7°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |

Contact and Corrective Action Comments:

None

Burlington

30 Community Drive, Suite 11
South Burlington, VT 05403 Tel: 802 660 1990

CHAIN OF CUSTODY RECORD

THE LEADER IN ENVIRONMENTAL TESTING

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| SHIP TO Company: ENERGY LAB, INC Address: 1120 S. 27th ST BILLINGS, MONTANA 59101 | | Report to: Company: URS Address: _____ Contact: SHERI O'CONNOR Phone: 363-740-3909 Fax: _____ | | Invoice to: Company: _____ Address: _____ Contact: _____ Phone: _____ Fax: _____ | | ANALYSIS REQUESTED <div style="border: 1px solid black; padding: 5px; transform: rotate(-15deg); display: inline-block;"> ANALYSIS PER URS WORK ORDER </div> | |
| Temp. of coolers when received (C°): 7 | | Custody Seal Intact: YES | | Screened For Radioactivity: <input type="checkbox"/> | | Lab Use Only Due Date: _____ | |
| 1 2 3 4 5 | | 1 2 3 4 5 | | 1 2 3 4 5 | | 1 2 3 4 5 | |

| | | | | | |
|--------------------------|---------|------------------------------------|--------------------------------|--|------------|
| Project Name: CM1 | | No. Type of Containers: (X) | | Lab/Sample ID (Lab Use Only): BI005-307-001 | |
| Matrix | Date | Time | Identifying Marks of Sample(s) | VOA | A/G 250 ml |
| S | 1/28/00 | 0900 | BA1 - TOIN - SOL | | |
| S | 1/28/00 | 0910 | BA2 - TOIN - SOL | | |
| S | 1/28/00 | 0920 | BA3 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |

| | | | | | |
|--------------------------|---------|------------------------------------|--------------------------------|--|------------|
| Project Name: CM1 | | No. Type of Containers: (X) | | Lab/Sample ID (Lab Use Only): BI005-307-001 | |
| Matrix | Date | Time | Identifying Marks of Sample(s) | VOA | A/G 250 ml |
| S | 1/28/00 | 0900 | BA1 - TOIN - SOL | | |
| S | 1/28/00 | 0910 | BA2 - TOIN - SOL | | |
| S | 1/28/00 | 0920 | BA3 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |

| | | | | | |
|--------------------------|---------|------------------------------------|--------------------------------|--|------------|
| Project Name: CM1 | | No. Type of Containers: (X) | | Lab/Sample ID (Lab Use Only): BI005-307-001 | |
| Matrix | Date | Time | Identifying Marks of Sample(s) | VOA | A/G 250 ml |
| S | 1/28/00 | 0900 | BA1 - TOIN - SOL | | |
| S | 1/28/00 | 0910 | BA2 - TOIN - SOL | | |
| S | 1/28/00 | 0920 | BA3 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |

| | | | | | |
|--------------------------|---------|------------------------------------|--------------------------------|--|------------|
| Project Name: CM1 | | No. Type of Containers: (X) | | Lab/Sample ID (Lab Use Only): BI005-307-001 | |
| Matrix | Date | Time | Identifying Marks of Sample(s) | VOA | A/G 250 ml |
| S | 1/28/00 | 0900 | BA1 - TOIN - SOL | | |
| S | 1/28/00 | 0910 | BA2 - TOIN - SOL | | |
| S | 1/28/00 | 0920 | BA3 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |

| | | | | | |
|--------------------------|---------|------------------------------------|--------------------------------|--|------------|
| Project Name: CM1 | | No. Type of Containers: (X) | | Lab/Sample ID (Lab Use Only): BI005-307-001 | |
| Matrix | Date | Time | Identifying Marks of Sample(s) | VOA | A/G 250 ml |
| S | 1/28/00 | 0900 | BA1 - TOIN - SOL | | |
| S | 1/28/00 | 0910 | BA2 - TOIN - SOL | | |
| S | 1/28/00 | 0920 | BA3 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |

| | | | | | |
|--------------------------|---------|------------------------------------|--------------------------------|--|------------|
| Project Name: CM1 | | No. Type of Containers: (X) | | Lab/Sample ID (Lab Use Only): BI005-307-001 | |
| Matrix | Date | Time | Identifying Marks of Sample(s) | VOA | A/G 250 ml |
| S | 1/28/00 | 0900 | BA1 - TOIN - SOL | | |
| S | 1/28/00 | 0910 | BA2 - TOIN - SOL | | |
| S | 1/28/00 | 0920 | BA3 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |

| | | | | | |
|--------------------------|---------|------------------------------------|--------------------------------|--|------------|
| Project Name: CM1 | | No. Type of Containers: (X) | | Lab/Sample ID (Lab Use Only): BI005-307-001 | |
| Matrix | Date | Time | Identifying Marks of Sample(s) | VOA | A/G 250 ml |
| S | 1/28/00 | 0900 | BA1 - TOIN - SOL | | |
| S | 1/28/00 | 0910 | BA2 - TOIN - SOL | | |
| S | 1/28/00 | 0920 | BA3 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |
| S | 1/28/00 | 0935 | BA4 - TOIN - SOL | | |

| | |
|-------------------------------|--|
| Project Name: CM1</ | |
|-------------------------------|--|

FAL-8234(1007)



ENERGY LABORATORIES, INC. * 1120 S 27th St * PO Box 30916 * Billings, MT 59107-0916
Toll Free 800.735.4489 * 406.252.6325 * FAX 406.252.6069 * ell@energylab.com

Quotation for Analytical Services # B2164

Company: URS Corporation
Contact: Sheri O'Connor
Address: 8181 E Tufts Ave
Denver, CO 80237

Phone:

Fax: (303) 291-8296

Submitted By: John Standish

Project:

TAT: 15 Working days

QC Level: STD

Quote Date: 22-Apr-10

Expires: 31-Dec-11

| Matrix | Test Name | Test | Remarks | # Samp | Unit Price | Test Total |
|--------------------------------|----------------------------|-------------|------------------|--------|------------|------------|
| Schedule: Soil Analysis | | | | | | |
| | Texture | ASA15-5 | | 9 | \$0.00 | \$0.00 |
| | Particle Size Analysis | ASA15-5 | Sand, Silt, Clay | 9 | \$20.00 | \$180.00 |
| | DTPA extraction for metals | ASA19-3.3 | | 9 | \$15.00 | \$135.00 |
| | Phosphorus-Olsen | ASA24-5 | | 9 | \$10.00 | \$90.00 |
| | Nitrate as N, KCL Extract | ASA33-8 | | 9 | \$10.00 | \$90.00 |
| | pH, Saturated Paste | ASAM10-3.2 | | 9 | \$15.00 | \$135.00 |
| | Sodium Adsorption Ratio | Calculation | | 9 | \$0.00 | \$0.00 |
| | DTPA extractable metals | E6010.20 | Cu, Fe, Mn, Zn | 9 | \$40.00 | \$360.00 |
| | Metals, NH4OAc Extractable | SW6010B | K | 9 | \$10.00 | \$90.00 |
| | Cations, Saturated Paste | SW6010B | Ca, Mg, Na | 9 | \$40.00 | \$360.00 |

Schedule Sample Price: \$160.00

Schedule Total: \$1,440.00

| | | | | | | |
|--------------------------------------|--------------------------------------|----------|---------------------------------|---|---------|----------|
| Schedule: Optional Parameters | | | | | | |
| | Conductivity | ASA10-3 | | 9 | \$15.00 | \$135.00 |
| | Coarse Fragments | ASA15-5 | | 9 | \$25.00 | \$225.00 |
| | Moisture | D2974 | Calculated on As Received Basis | 9 | \$15.00 | \$135.00 |
| | DTPA extractable metals | E6010.20 | Al | 9 | \$10.00 | \$90.00 |
| | Metals, Ammonium Oxalate Extractable | SW6010B | Mo | 9 | \$25.00 | \$225.00 |

Schedule Sample Price: \$90.00

Schedule Total: \$810.00

Quote
Comments:

Quote Sub Total: \$2,250.00
Misc: \$0.00
Discount: 0.00%
WO Adjustment: \$0.00
QUOTE TOTAL: \$2,250.00

General
Comments:

To assure that the quoted analysis and pricing specifications are provided, please include the Quote ID number referenced above on the Chain of Custody or sample submittal documents.

* Methods and/or parameters included in the indicated test group.
Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.